Awareness Watch™ Newsletter

By Marcus P. Zillman, M.S., A.M.H.A.
http://www.AwarenessWatch.com/

Welcome to the V16N11 November 2018 issue of the **Awareness Watch™ Newsletter.** This newsletter is available as a complimentary subscription and will be issued monthly. Each newsletter will feature the following:

Awareness Watch™ Featured Report
Awareness Watch™ Spotters
Awareness Watch™ Book/Paper/Article Review
Subject Tracer™ Information Blogs

I am always open to feedback from readers so please feel free to email with all suggestions, reviews and new resources that you feel would be appropriate for inclusion in an upcoming issue of Awareness Watch™. This is an ongoing work of creativity and you will be observing constant changes, constant updates knowing that "change" is the only thing that will remain constant!!

Awareness Watch™ Featured Report

This month's featured report covers **Data Mining Resources 2019** and is a comprehensive listing of internet data mining tools and resources including search engines, directories, subject guides and index resources and sites on the Internet available for the 2019 year. The below list of data mining sources is taken partially from my Subject Tracer™ white paper titled Data Mining Resources 2019 and is constantly updated with Subject Tracer™ bots at the following URL:

http://www.DataMiningResources.info/

These resources and sources will help you to discover the many pathways available through the Internet to find the latest data mining research, resources, sources, tools and sites. As this site is constantly updated it would be to your benefit to bookmark and return to the above URL frequently. The true way to search the Internet and social media for data mining resources, sources and tools is to use the below listed tools and resources and include the deep web. These resources will be your pathfinder to all the important and ever changing 2019 new economy resources for data mining!

Data Mining Resources on the Internet 2019

By

Marcus P. Zillman, M.S., A.M.H.A.
Executive Director – Virtual Private Library
zillman@virtualprivatelibrary.com

Data Mining Resources on the Internet 2019 is a comprehensive listing of data mining resources currently available on the Internet. The below list of sources is taken from my Subject Tracer™ Information Blog titled Data Mining Resources and is constantly updated with Subject Tracer™ bots at the following URL:

http://www.DataMiningResources.info/

These resources and sources will help you to discover the many pathways available to you through the Internet to find the latest data mining sources and sites.
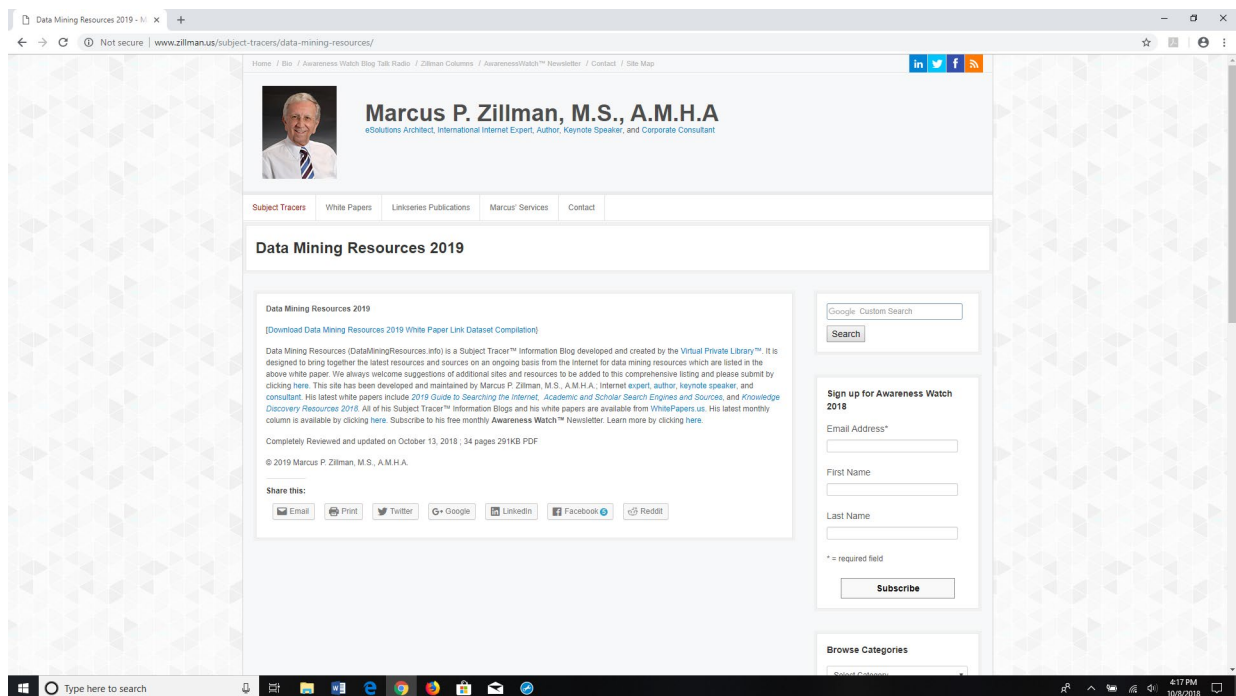

Figure 1: Data Mining Resources 2019 Subject Tracer™ Information Blog

Data Mining Resources 2019:

45 Great Resources for Learning Data Mining Concepts and Techniques
https://www.import.io/post/38-great-resources-for-learning-data-mining-concepts-and-techniques/

50 Data Mining Resources – Tutorials, Techniques and More
http://www.ngdata.com/data-mining-resources/

80legs – Custom Web Crawlers for Crawling and Processing Web Content
http://www.80legs.com/

Advanced Analytics – Unstructured Data Mining
https://advisory.kpmg.us/deal-advisory/data-driven-tech/advanced-analytics.html

An Evaluation of Data Mining Methods and Tools
http://www.idi.ntnu.no/~dingsoyr/project/report.html

An Overview of Data Mining in Road Traffic and Accident Analysis
http://www.jcaksrce.org/upload/49121180_vol2i4p6.pdf

ACM SIGKDD: Current Explorations Issue
http://www.kdd.org/explorations/issue.php?issue=current

Analytics, Data mining and Data Science
http://www.kdnuggets.com/

Apache Pig – Platform for Analyzing Large Datasets
http://pig.apache.org/

Applications of Modern Heuristics and Data Mining Techniques
http://www.people.vcu.edu/~mmanic/papers/grads/McCarty_08_MHandAdvancDMTechniqs.pdf

Artificial Neural Networks for Data Mining
http://www.iasri.res.in/sscnars/data_mining/4-Artificial%20Neural%20Networks_Amrender.pdf

ARTstor - Digital Image Library for Education and Scholarship
http://www.artstor.org/

Azure: Data Mining in the Cloud
http://sqlmag.com/reporting/azure-data-mining-cloud

Benchmarking- Data Mining Benchmarking Association
http://www.dmbenchmarking.com/

Best Data Mining Tools – 2018 Reviews, Pricing and Demos
https://www.softwareadvice.com/bi/data-mining-comparison/

BI-DW - Business Intelligence and Data Warehousing Directory
http://www.bi-dw.info/

Big Data Analytics with Oracle Advanced Analytics
https://blogs.oracle.com/datamining/entry/big_data_analytics_with_oracle

Big Oil Goes Mining for Big Data
http://www.technologyreview.com/news/427876/big-oil-goes-mining-for-big-data/

BioHunter _ Research Articles Finder
https://www.biohunter.in/

Biomedical LIterature (and text)Mining Publications (BLIMP)
http://blimp.cs.queensu.ca/

Bot Research 2019
http://www.BotResearch.info/

Bringing Data Mining Into The Mainstream New York Times Article
http://bits.blogs.nytimes.com/2010/07/26/bringing-data-mining-into-the-mainstream/?_r=0

Business Intelligence Resources 2018
http://www.BIResources.info/

Calculating Costs of a Data Mining System
http://www.eweek.com/c/a/Data-Storage/Calculating-Costs-of-a-DataMining-System

CCSU - Data Mining
http://web.ccsu.edu/datamining/

Center for Automated Learning and Discovery
http://www.ml.cmu.edu/

Cogitum Co-Citer
http://www.cogitum.com/co-tracker-text/more.shtml

Contentmine - Text and Data Mining Open Source Tools
http://contentmine.org/

Copyright Clearance Center
http://www.copyright.com/

COREMINE Medical – Biomedical Mindmap
http://www.coremine.com/medical/

Current Awareness Discovery Tools on the Internet 2019
http://www.zillman.us/white-papers/current-awareness-discovery-tools-on-the-internet/

DataMelt - Computation and Visualization Environment
http://jwork.org/dmelt/

Data Mining 101 Tools and Techniques
https://iaonline.theiia.org/data-mining-101-tools-and-techniques

Data Mining Courses on Campus
http://www.nytimes.com/2012/07/22/education/edlife/colleges-awakening-to-the-opportunities-of-data-mining.html

Data Mining Tutorial
http://www.tutorialspoint.com/data_mining/dm_evaluation.htm

Data Engineering Bulletin
http://tab.computer.org/tcde/bull_about.html

DataFerrett - Data Mining Tool
http://dataferrett.census.gov/

Data Fountains: Open Source Internet Resource Discovery and Metadata/Full-Text Generation Service
http://sourceforge.net/projects/datafountains/

Data Mining Amazon Web Services (AWS) Big Data
https://aws.amazon.com/big-data/

Data Mining and Analytic Technologies
http://www.thearling.com/

Data Mining and KDD Papers
http://www.the-data-mine.com/Misc/DataMiningBooksAndPapers

Data Mining and Knowledge Discovery Journal
http://link.springer.com/journal/10618

Data Mining and Predictive Analytics
http://abbottanalytics.blogspot.com/

Data Mining Applications in Transportation Engineering
http://www.slideshare.net/Tommy96/data-mining-applications-in-transportation-engineering

Data Mining Blog EMC
http://bigdatablog.emc.com/tag/data-mining/

Data Mining Case Study - Data based storytelling for marketing
https://automatedinsights.com/blog/making-data-driven-storytelling-easy-for-marketers/

Data Mining Case Study - Mining complex financial information
https://automatedinsights.com/blog/how-financial-services-companies-can-win-over-millennials-better-customer-communication-through-automation/

Data Mining Certification from IBM
http://www-03.ibm.com/certify/certs/47100402.shtml

Data Mining Concepts
https://msdn.microsoft.com/en-us/library/ms174949.aspx

Data Mining ebook: Theories Algorithms and Examples
https://www.routledge.com/products/9781439808382

Data Mining for the Masses
http://www.onlineprogrammingbooks.com/data-mining-masses/

Data Mining - Federal Efforts Cover a Wide Range of Uses Report
http://www.gao.gov/new.items/d04548.pdf

Data Mining Glossary
http://www.gartner.com/it-glossary/data-mining/

Data Mining Group (DMG)
http://www.dmg.org/

Data Mining in Banking and its Applications
http://www.scribd.com/doc/270947349/Data-Mining-Banking#scribd

Data Mining Managed Data Mining Services Teradata
http://www.teradata.com/Search.aspx?id=8550&q=data%20mining&LangType=16393&LangSelect=true

Data Mining Oil and Gas Hydrocarbon Exploration Data
http://www.analytics-magazine.org/november-december-2011/695-how-big-data-is-changing-the-oil-a-gas-industry

Data Mining OLAP Cubes model
http://zulfiqar.typepad.com/zulfiqars_web/data_mining/

Data Mining, Predictive Modeling, Business Analytics: Training, Consulting & Solutions
http://www.the-modeling-agency.com/

Data Mining Primer from Oracle
http://docs.oracle.com/cd/B28359_01/datamine.111/b28129/process.htm

Data Mining Publications from Google
https://research.google.com/pubs/DataMining.html

Data Mining Resources 2019
http://www.DataMiningResources.info/

Data Mining Resources
http://www.cs.purdue.edu/homes/ayg/CS590D/resources.html

Data Mining Resources
http://datamining.togaware.com/

Data Mining Resources at CCSU
http://web.ccsu.edu/datamining/resources.html

Data Mining Solutions for Oil & Gas
http://optelligentsolutions.com/Solutions.html

Data Mining Table Analysis Tool
https://technet.microsoft.com/en-us/library/dd299414(v=sql.100).aspx

Data Mining Techiques in CRM
http://www.data-miners.com/

Data Mining: Technology and Policy The DHS Privacy Office
http://www.dhs.gov/xlibrary/assets/privacy/privacy_rpt_datamining_200812.pdf

Data Mining: Text Mining, Visualization and Social Media
http://datamining.typepad.com/data_mining/

Data Mining Tools
http://www.icsti.org/IMG/pdf/VTTDataMiningTools.pdf

Data Mining Tools
http://thenewstack.io/six-of-the-best-open-source-data-mining-tools/

Data Mining, Web Scraping, Web Mining, Data Extraction and Screen Scraping Technology Links
http://www.connotate.com/

Data Mining, Web Mining, and Business Intelligence Solutions from Salford Systems
http://www.salford-systems.com/

Data Mining White Paper – Free Best Practices Guide
http://www.sas.com/data-mining/

Data Mining White Paper from Intel - Turning Big Data Into Big Insights
http://www.intel.com/content/dam/www/public/us/en/documents/white-papers/big-data-visualization-turning-big-data-into-big-insights.pdf

Data Mining – Wikipedia
https://en.wikipedia.org/wiki/Data_mining

Datanami – Big Data, Big Analytics, and Big Insights
http://www.datanami.com/

Data-PASS
http://www.data-pass.org/

Data Science Toolkit
http://www.datasciencetoolkit.org/

Datasets for Data Mining and Data Science
https://www.kdnuggets.com/datasets/index.html

Data Shaping Data Mining Resources
http://www.datashaping.com/data_mining.shtml

Data Sources
http://www.the-data-mine.com/Misc/DataSource

Data Visualizations Derived From Data Mining Big Data
http://exploringdata.github.io/

Data Warehousing and Data Mining
http://www.dei.unipd.it/~capri/SI/MATERIALE/DWDM0405.pdf

Data Warehousing and Data Mining
http://www.inf.unibz.it/dis/teaching/DWDM/slides2012/dw1_introduction.pdf

DbVisualizer - The Universal Database Tool
http://www.dbvis.com/

DeepDive - Analyze Data On a Deeper Level Than Ever Before
http://deepdive.stanford.edu/

Deep Learning for Java - Open Source, Distributed, Deep Learning Library for the JVM
https://deeplearning4j.org/

Deep Web Research and Discovery Resources 2018
http://DeepWeb.us/

Digital Operating Systems Tools and Resources 2019
http://www.DigitalOperatingSystems.com/

Directory of Data Warehouse, Data Mining, and Decision Support Resources
http://www.infogoal.com/dmc/dmcdwh.htm

DiscoverText - Capture Text Data and Crunch Your Data
http://discovertext.com/

Distributed Data Mining in Credit Card Fraud Detection
http://cs.fit.edu/~pkc/papers/ieee-is99.pdf

Easy Data Mining Software
https://www.tableau.com/

Easy PDF Cloud
https://www.easypdfcloud.com/

eBiquity Research Group Blogger
http://ebiquity.umbc.edu/blogger/

Early Canadiana Online
http://www.canadiana.ca/

Elastic Web Mining Talk
http://www.slideshare.net/kkrugler/elastic-web-mining-2407818

ELKI: Environment for Developing KDD-Applications Supported by Index-Structures
https://elki-project.github.io/

EU Open Data Portal
https://data.europa.eu/euodp/en/home

Everything You Wanted to Know About Data Mining but Were Afraid to Ask by Alexander Furnas
http://www.theatlantic.com/technology/archive/2012/04/everything-you-wanted-to-know-about-data-mining-but-were-afraid-to-ask/255388/

Exclusive Ore, Inc.
http://www.xore.com/

GeneMiner
http://www.biomedcentral.com/1471-2105/8/S8/P3

Google BigQuery query cloud based datasets
https://cloud.google.com/bigquery/

Google Refine 2.0 – Power Tool for Data Wranglers
https://github.com/OpenRefine

Great War Primary Documents Archive
http://www.gwpda.org/

Healthdata.gov
https://www.healthdata.gov/

History of Data Mining by Raymond Li
http://rayli.net/blog/data/history-of-data-mining/

Howard D. Wactlar Home Page
http://www.cs.cmu.edu/~hdw/

IBM Data Mining Cognos Business Solutions
http://www.cognoise.com/index.php?topic=19929.0

Imagination Engines
http://www.Imagination-Engines.com/

Indiegogo Datasets
https://webrobots.io/indiegogo-dataset/

Infochimps.com
http://www.infochimps.com/

Information Retrieval (IR) and Information Extraction (IE) on the Web Using Hypertext Meta-Data and Structure
http://www.webir.org/

InfoVis CyberInfrastructure
http://iv.slis.indiana.edu/index.html

International Journal of Business Intelligence and Data Mining (IJBIDM)
http://www.inderscience.com/jhome.php?jcode=ijbidm

International Journal of Data Mining and Bioinformatics (IJDMB)
http://www.inderscience.com/jhome.php?jcode=ijdmb

International Journal of Data Warehousing and Mining (IJDWM)
http://www.igi-global.com/journal/international-journal-data-warehousing-mining/1085

Internet Archive
http://www.archive.org/

Inter-university Consortium for Political and Social Research (ICPSR)
http://www.icpsr.umich.edu/

InvestigateIX Search Engine and Text Mining Toolbox
https://www.mandalka.name/investigateix/

Jaspersoft® ETL - The Open Source Data Integration Platform
https://community.jaspersoft.com/project/jaspersoft-etl

Journal of Data Mining and Knowledge Discovery
http://www.bioinfo.in/contents.php?id=42&page=aim

Junar – The Open Data Platform
http://www.junar.com/

Kaggle – Go from Big Data to Big Analytics
http://kaggle.com/

KDD-2008
http://www.kdd2008.com/

KDD-2009
http://www.kdd.org/conferences/kdd-2009-paris-france-june-28-july-1

KDD-2010
http://www.kdd.org/conferences/kdd-2010-washington-dc-july-25-28

KDD-2011
http://www.kdd.org/conferences/kdd-2011-san-diego-ca-august-21-24-2011

KDD-2012
http://www.kdd.org/conferences/kdd-2012-august-12-16-2012-beijing-china

KDD-2014
http://www.kdd.org/kdd2014/

KDD-2015
http://www.kdd.org/kdd2015/

KDD-2016
http://www.kdd.org/kdd2016/

KDD-2017
http://www.kdd.org/kdd2017/

KDD-2018
http://www.kdd.org/kdd2018/

KDD-2019
http://www.kdd.org/kdd2019/

KDnuggets: Data Mining, Web Mining, and Knowledge Discovery Guide
http://www.kdnuggets.com/

KEEL (Knowledge Extraction based on Evolutionary Learning)
http://www.keel.es/

Kickstarter Datasets
https://webrobots.io/kickstarter-datasets/

KNIME – Konstanz Information Miner Open Source Software
http://www.knime.org/

Knowledge Discovery Resources 2019
http://www.KnowledgeDiscovery.info/

Knowledge Discovery Resources 2019 Annotated White Paper Link Compilation by Marcus P. Zillman, M.S., A.M.H.A.
http://www.KDResources.info/

Knowledge Enterprise Semantic Intelligence Suite
http://transinsight.com/

KnowleSys - Web Public Opinion Monitoring
http://www.knowlesys.com

LingPipe - Information Extraction and Data Mining Tools
http://alias-i.com/lingpipe/

LoginWorks - Advanced Solutions - Data Mining and Web Scraping
http://www.loginworks.com/

Machine Learning from Scratch
https://github.com/eriklindernoren/ML-From-Scratch

Mallet - MAchine Learning for LanguagE Toolkit
http://mallet.cs.umass.edu/

Marriott Library at the University of Utah Digital Collections
http://www.lib.utah.edu/

Marti Hearst Home Page
http://people.ischool.berkeley.edu/~hearst/

Media Patterns - Detecting Patterns in the Global Media Content
http://mediapatterns.enm.bris.ac.uk/

Megaputer - Data Mining and Text Mining Software
http://www.megaputer.com/

Microsoft® Data Mining Project - Efficient Data Exploration and Modeling
http://research.microsoft.com/en-us/projects/datamining/

Minerazzi – Your Search-and-Mine Ecosystem
http://www.minerazzi.com/

Mining Road Traffic Accident Data
http://ai-d.org/pdfs/Beshah.pdf

Mining Spatial Data of Traffic Accidents
http://www.stat-d.si/mz/mz5.1/lavrac.pdf

MIT OpenCourseWare study and certification Data Mining Discipline
http://ocw.mit.edu/courses/sloan-school-of-management/15-062-data-mining-spring-2003/

MOA (Massive Online Analysis)
http://moa.cms.waikato.ac.nz/

MoData - Big Data Resources
http://www.mo-data.com/

MonetDB Query Processing at Light Speed
http://www.monetdb.org/

Mozenda – Data Extraction and Comprehensive Web Data Gathering
http://www.mozenda.com/

National Archives, London
http://nationalarchives.gov.uk/

National Centre for Text Mining (NaCTeM)
http://www.nactem.ac.uk/

National Science Digital Library (NSDL)
http://www.nsdl.org/

National Technical Information Service (NTIS)
http://www.ntis.gov/

Neural Networks in Data Mining
http://www.jatit.org/volumes/research-papers/Vol5No1/1Vol5No6.pdf

Nesstar – Publish Data on the Web
http://www.nesstar.com/

NetOwl – Entity Extraction and Entity Analytics for Big Data
http://www.netowl.com/

New York Public Library
http://www.nypl.org/

Nuix - eDiscovery and Electronic Investigation Software
http://www.nuix.com/

Oceanstore Project
http://oceanstore.cs.berkeley.edu/

Online News Archive
https://onlinenewsarchive.com/

OntoMiner: Bootstrapping and Populating Ontologies From Domain Specific Web Sites
http://www.public.asu.edu/~hdavulcu/VLDB-WS03.pdf

Open Data Barometer
http://www.opendataresearch.org/project/2013/odb

Open Data Handbook - Guides, Case Studies and Resources for Government and Civil Society On the What, Why and How of Open Data
http://opendatahandbook.org/

Open Data Inception
http://opendatainception.io/

Open Data Institute
https://theodi.org/

Open Data Inventory (ODIN)
http://odin.opendatawatch.com/

Open Data Network
http://www.opendatanetwork.com/

Open Datasets
https://github.com/caesar0301/awesome-public-datasets
https://www.kaggle.com/datasets
https://www.data.gov/
https://www.quora.com/Where-can-I-find-large-datasets-open-to-the-public
https://aws.amazon.com/public-datasets/
https://data.world/
http://data.worldbank.org/
https://public.enigma.com/
http://repository.upenn.edu/mead
http://catalog.data.gov/dataset
http://www.infochimps.com/
http://publicdata.eu/

Open Educational Resources (OER) Sources 2019
http://www.OERSources.com/

Open Educational Resources (OER): Statistics
https://guides.ou.edu/OER/statistics

OpenMinted - Open Service Oriented e-Infrastructure for Scientific and Scholarly Text and Data Mining
http://openminted.eu/

Open/Public Data Sources
http://www.scaleunlimited.com/datasets/public-datasets/

Open Source Data Mining Tools
http://www.scaleunlimited.com/oss/open-source-data-mining-tools/

Open Source Data Warehousing, Big Data Analytics
http://www.infobright.com/

Oracle Data Mining
http://www.oracle.com/technetwork/database/options/advanced-analytics/odm/overview/index.html

Oracle Knowledge base about Big Data Mining
http://docs.oracle.com/apps/search/search.jsp?word=data+mining&product=b28359-01&book=b28129

Orange - Open Source Data Visualization and Analysis for Novice and Experts
http://orange.biolab.si/

Overview - Open Source Document Mining
https://blog.overviewdocs.com/

PC AI Magazine Artificial Intelligence
http://www.pcai.com/

Pentaho BI Project - Open Source Business Intelligence
http://www.pentaho.com/

PEPITe S.A. - Unlock Your Knowledge
http://www.pepite.be/

Prediction Markets 2019
http://www.PredictionMarkets.com/

Predictive Model Markup Language (PMML)- SourceForge.net: Project Info
http://sourceforge.net/projects/pmml

Predictive Model Markup Language (PMML)
http://xml.coverpages.org/pmml.html

Probabilistic Data Models for Web Analytics and Data Mining
https://highlyscalable.wordpress.com/2012/05/01/probabilistic-structures-web-analytics-data-mining/

Proxycrawl - Stay Anonymous While Crawling the Web
https://proxycrawl.com/

PubChase – Discover Biomedical Research of Interest To You
https://www.pubchase.com/

QDA Miner Lite (Freeware)
http://provalisresearch.com/products/qualitative-data-analysis-software/freeware/

QL2 Software - Unstructured Data Management and Web Mining Software
http://www.ql2.com/

QueryTree - Explore Data Without Code
http://querytreeapp.com/

Raghu Ramakrishnan Home Page
http://pages.cs.wisc.edu/~raghu/

RapidMiner - Open Source Data Mining Tool
http://rapid-i.com/content/blogcategory/10/69/

Rattle - Data Mining Toolkit in R
https://code.google.com/p/rattle/

re3data.org - 2,000 Data Repositories
https://www.re3data.org/

Recommended Books on Data Mining
http://www.albionresearch.com/books/data_mining.php

reSearcher
http://researcher.sfu.ca/

Rexer Analytics – Analytic and CRM Consulting
http://www.rexeranalytics.com/

Ron Kohavi Home Page
http://robotics.stanford.edu/~ronnyk/

SAS - Data and Text Mining
http://www.sas.com/technologies/analytics/datamining/index.html

SAS What is Data Mining
http://www.sas.com/en_us/insights/analytics/data-mining.html

SCaVis - Scientific Computation and Visualization Environment
http://jwork.org/scavis/

Scientific Data Repository - Real Time Visualization and Exploration Techniques
http://www.mlvis.com/platform.php

Screen-Scraper – Data Extraction Software and Services
http://www.screen-scraper.com/

Searching the Internet 2018 – The Primer – 2019 Guide to Searching the Internet
http://www.SearchingTheInternet.info/

Semantic Scholar - Free Scientific Literature Search and Discovery
http://allenai.org/semantic-scholar/

SIGKDD - ACM Special Interest Group - Knowledge Discovery in Data and Data Mining
https://en.wikipedia.org/wiki/SIGKDD
http://www.kdd.org/

Slideshare Presentations About Data Mining - a List
http://www.kdnuggets.com/2014/11/most-popular-slideshare-presentations-data-mining.html

Slideshare Presentation about Data Mining
http://www.slideshare.net/smj/data-mining-slides

Smithsonian/NASA Astrophysics Data System (ADS)
http://adsabs.harvard.edu/index.html

Snorkel: A System for Fast Training Data Creation
https://hazyresearch.github.io/snorkel/

Social Buzz Bot 2019 – Business Intelligence Data Mining for Information Discovery from Social Communities [PDF file download]
http://www.SocialBuzzBot.com/

Software Suites for Data Mining, Analytics, and Knowledge Discovery
http://www.kdnuggets.com/software/suites.html

Special Interest Group - Knowledge Discovery in Data and Data Mining - SIGKDD Explorations Newsletter
http://www.kdd.org/explorations/

SPMF - Open Source Data Mining Library
http://www.philippe-fournier-viger.com/spmf/

Stanford Data Mining Course cs345a course handouts
http://web.stanford.edu/class/cs345a/handouts.html

SQL Server Data Mining
http://www.sqlserverdatamining.com/

Statistical Analysis and Data Mining
http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291932-1872

Statistical Data Mining Tutorials - Tutorial Slides by Andrew Moore
http://www.autonlab.org/tutorials/index.html

Statistics Resources and Big Data 2018
http://www.StatisticsResources.info/

Statoo Statistical Consulting + Data Analysis + Data Mining
http://www.statoo.com/en/

Streaming Data Mining
http://www.cs.yale.edu/homes/el327/papers/streaming_data_mining.pdf

Talend Open Data Solutions
http://www.talend.com/

Tanagra Project - Free Data Mining Software for Academic and Research Purposes
http://eric.univ-lyon2.fr/~ricco/tanagra/en/tanagra.html

Texifter - Search, Sift, Sort & Classify Documents
http://texifter.com/

Text Data Mining
http://people.ischool.berkeley.edu/~hearst/talks/dm-talk/

Text Mining for Scholarly Communications and Repositories
http://www.nactem.ac.uk/tm-ukoln.php

The Archaeology Data Service (ADS)
http://archaeologydataservice.ac.uk/

The Centre for Contemporary Canadian Art - Canadian Art Database Project
http://ccca.concordia.ca/

The Data Mine
http://www.the-data-mine.com/

The History Data Service (HDS)
http://hds.essex.ac.uk/

The National Centre for Text Mining: Aims and Objectives by Sophia Ananiadou, Julia Chruszcz, John Keane, John McNaught and Paul Watry
http://www.ariadne.ac.uk/issue42/ananiadou/

The New York Times Article Search API
http://developer.nytimes.com/

The Open Access Digital Library
http://grweb.coalliance.org/oadl/oadl.html

The Ultimate Artificial Intelligence Resources Guide by Kyle Poyar
http://labs.openviewpartners.com/artificial-intelligence-resources-guide/

Togaware - Data Mining Resources
http://datamining.togaware.com/

T-Rex (Trainable Relation Extraction)
http://sourceforge.net/projects/t-rex/

Truthy - Analyze and Visualize the Diffusion of Information on Twitter
http://truthy.indiana.edu/

Try Data Mining Queries Interactively Online using sample dataset
http://overpass-turbo.eu/

UC Irvine Machine Learning Repository
https://archive.ics.uci.edu/ml/index.php

Udemy Course About Data Mining
https://www.udemy.com/data-mining/

University of Florida Digital Collections (UFDC)
http://ufdc.ufl.edu/

University of North Texas Digital Collections
http://digital.library.unt.edu/explore/collections/

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery 2018
http://www.zillman.us/white-papers/using-the-internet-as-a-dynamic-resource-tool-for-knowledge-discovery/

Vendor-Neutral Public Courses on Data Mining Strategy, Methods & Practice
http://the-modeling-agency.com/training-courses/

VentureSource - Global Database on Companies Backed by Venture Capital and Private Equity
https://www.dowjones.com/products/pevc/

VisitorVille - Web Site Intelligence
http://www.visitorville.com/

Wallmine - Wall Street Data Mining
https://wallmine.com/

Web Curator Tool (WCT)- Management of Selective Web Harvesting Process
http://webcurator.sourceforge.net/

Web Data Extractors 2018 - White Paper Link Compilation
http://www.WebDataExtractors.com/

Web-Harvest - Open Source Web Data Extraction Tool written in Java
http://web-harvest.sourceforge.net/

Web Harvesting by Russell Kay
http://www.computerworld.com/s/article/93919/Web_Harvesting?taxonomyId=062

Webhose.io - Turn Unstructured Web Content Into Machine-Readable Data Feeds That You Can Consume On Demand
https://webhose.io/

Weka 3: Data Mining Software in Java
http://www.cs.waikato.ac.nz/~ml/weka/

Weka 3 - Data Mining with Open Source Machine Learning Software in Java
http://www.cs.waikato.ac.nz/~ml/weka/index.html

White Papers by Marcus P. Zillman, M.S., A.M.H.A.
http://www.WhitePapers.us/

WizSoft - Data and Text Mining
http://www.wizsoft.com/

World Bank Datasets For Data Mining
http://data.worldbank.org/data-catalog/research-datasets-analytical-tools

YouTube Analytics and Data Mining
http://www.nextanalytics.com/wp-content/uploads/2015/01/how-to-data-mine-analyze-youtube-excel-macro-addin.pdf

Zentut - What is Data Mining Tutorial
http://www.zentut.com/data-mining/what-is-data-mining/

Awareness Watch™ Spotters

Bots, Blogs and News Aggregators 2019
http://www.BotsBlogs.com/
Research white paper link dataset compilation **Bots, Blogs and News Aggregators 2019**
is now a 18 page research paper listing many resources both new and existing that will
help anyone who is attempting to find information and knowledge research about bots,
blogs and news aggregator tools currently available on the Internet. It is freely available
as a .pdf file (314kb) at the above link from the Virtual Private Library™ and authored by
Marcus P. Zillman, M.S., A.M.H.A. . It was completely updated and all links validated
on **October 1, 2018**. Other white papers are available by clicking here.

Trustroot - Transact on the Blockchain with Confidence
https://www.trustroot.io/
Trustroot is a blockchain protocol that verifies the reputation and trustworthiness of the
blockchain business that you are transacting with. We help you avoid malicious attacks
and ensure that the party that you are sending money to is who they claim to be. This will
be added to Financial Sources Subject Tracer™. This will be added to World Wide Web
Reference Subject Tracer™. This will be added to Business Intelligence Resources
Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This
will be added to the tools section of Research Resources Subject Tracer™.

Next Step for Artificial Intelligence: The Autonomous Enterprise by Chuck Hollis
https://www.forbes.com/sites/oracle/2018/08/23/next-step-for-artificial-intelligence-the-
autonomous-enterprise
/#56eb253126b9
We are still in the early days of artificial intelligence and machine learning transforming
many aspects of our world, including how work gets done. For those of you who can
remember how work got done before computers, the internet, and mobile, you have a
sense of just how transformational new technologies can be. The previous wave of
transformational technologies led to organizations that were inherently more connected
than before. Information and decisions flowed much faster as a result. The current wave
will lead to what Chuck Hollis started to call the autonomous enterprise: an organization
where many decisions are made with the help of machine learning. And, once again,
before long we won't be able to imagine doing work any other way. Excellent read ....
This will be added to Artificial Intelligence Resources Subject Tracer™. This will be
added to Business Intelligence Resources Subject Tracer™. This will be added to
Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of
Research Resources Subject Tracer™.

Open Educational Resources (OER) Sources 2019
http://www.OERSources.com/
"Open Educational Resources (OER) are freely accessible, openly licensed text, media, and other digital assets that are useful for teaching, learning, and assessing as well as for research purposes." [Wikipedia] Costs continue to rise for students who are pursing college and post graduate degree programs. By leveraging best practice sites, services and non-traditional options to expand knowledge, skills and abilities in many disciplines, students can choose from a wide range of options to complete their respective goals. This freely available guide, Open Educational Resources (OER) Sources 2019, is a comprehensive listing of useful open educational resources, sources and sites on the Internet that can assist you in optimizing your learning opportunities. This will be added to OERSearchEngine.com/. This will be added to Education and Academic Resources Subject Tracer™. This will be added to Student Research Resources 2018 Subject Tracer™. Updated with all links validated and new links added on October 1, 2018 [25 pages, 237KB PDF]

Updated> Academic and Scholar Search Engines and Sources
http://www.ScholarSearchEngines.com/
Internet Annotated Link Dataset Compilation titled "Academic and Scholar Search Engines and Sources" is now a 78 page research paper listing selected resources both new and existing that will help anyone who is attempting to find academic and scholarly information and knowledge available on the Internet. Each source is described along with the URL address than can be accessed. It is freely available as a .pdf file (930KB) at the above link from the Virtual Private Library™ and authored by Marcus P. Zillman, M.S., A.M.H.A. [**Completely Updated with all links validated and new URLs added: October 1, 2018**]. Other white papers are available by clicking here.

Credit Research Initiative (CRI)
https://www.rmicri.org/
The Credit Research Initiative (CRI) is a non-profit undertaking at the Risk Management Institute (RMI) of the National University of Singapore. It was launched in July 2009 by then the RMI director Professor Duan Jin-Chuan with the able assistance from Dr. Oliver Chen. Over the course of its development, the CRI has been dedicating to promoting the research on credit risk and offering directly useful credit analytics to the market participants. The CRI uses scientific methods (e.g. forward-intensity default prediction model, Duan et. al. 2012, Journal of Econometrics, and others) to provide credit ratings for exchange-listed companies around the world. Up to date, the CRI has developed a number of data products, including the Probability of Default (PD), Actuarial Spread (AS), and the Corporate Vulnerability Index (CVI) that are updated daily with newly collected information. The rating data are available for over 68,000 firms in 128 economies and are accessible through this website free of charge. Some of them can alternatively be obtained through Bloomberg, CBonds, and Thomson Reuters potentially at a cost wherever requested by the data distributors. As a research center, the CRI produces a suite of publications (Weekly Credit Brief, Quarterly Credit Review, Global

Credit Review, and Special Reports) to disseminate novel technologies in credit research and release commentaries on the occurrences in the credit market. To promote the exchange of perspectives and expertise, the CRI regularly hosts visits of experts from research bodies (call for proposal) and other professional organizations. Thanks to its unique data management infrastructure and credit analytics expertise, the CRI has been constantly called upon by corporates, financial institutions, and international organizations, such as IMF, for its value-added services. Based on their various requests, the CRI has helped the external parties to compile data in prescribed formats, build bespoke models, create readily actionable toolboxes, etc. The CRI adopts a "public good" approach to building its credit ratings infrastructure, much like the way in which the public sector does for highways and public educational systems. Its rating data are released daily on its website and are available for free. Its rating methodologies are also made available publicly. This will be added to Financial Sources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Mnemosyne
http://www.mnemosyne-proj.org
Mnemosyne is an accelerated learning flashcard program that uses the SuperMemo spaced repetition system. Users can create cards containing not just text but also images, sound, movies, and more. It's even possible to embed interactive elements using Javascript. Cards can be categorized into one or more tags, and the tags themselves can be organized into a hierarchy. As a user works through their sets of cards, Mnemosyne collects and summarizes learning statistics illustrating the user's progress. Within an individual study session, users may opt to focus on a subset of cards or enter cramming mode to review a selection of cards as many times as desired. Numerous pre-made Mnemosyne decks can be downloaded from the website. Users may also import cards from Anki, SuperMemo, or CueCard. Mnemosyne's sync protocol can be used to share data across multiple machines. Mnemosyne is available for Windows, macOS, and Linux. Source code can be located on GitHub. This will be added to Student Research Resources Subject Tracer™. This will be added to Education and Academic Resources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™. Copyright © 2018 Internet Scout Research Group - http://scout.wisc.edu

Gobby
http://www.gobby.github.io
Gobby is a collaborative, multi-user text editor that allows multiple users to simultaneously edit a document over the internet. Sessions can be password protected to control which users are allowed access to a set of documents. Gobby also includes an Access Control List system that can be used to provide fine-grained control over which users can edit what documents. For security, all data transferred over the internet is

encrypted using ciphers that provide perfect forward secrecy. Syntax highlighting for most popular languages is provided by the GtkSourceView library, which supports programming languages (C/C++, Java, Fortran, etc), scripting languages (Python, Perl, PHP, etc), and markup languages (XML, HTML, Markdown, etc). Gobby also features an in-session group chat and per-user undo that doesn't remove changes made by other users. Windows executables are available via the Gobby website. Most Linux distributions include Gobby in their package managers. MacOS users can install Gobby via MacPorts, homebrew, or nixpkgs. Gobby is free software, distributed under the ISC license, with source code available on GitHub. This will be added to Student Research Resources Subject Tracer™. This will be added to Education and Academic Resources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™. Copyright © 2018 Internet Scout Research Group - http://scout.wisc.edu

Traffic Light Protocol (TLP) Definitions and Usage
https://www.us-cert.gov/tlp
The Traffic Light Protocol (TLP) was created in order to facilitate greater sharing of information. TLP is a set of designations used to ensure that sensitive information is shared with the appropriate audience. It employs four colors to indicate expected sharing boundaries to be applied by the recipient(s). TLP only has four colors; any designations not listed in this standard are not considered valid by FIRST. TLP provides a simple and intuitive schema for indicating when and how sensitive information can be shared, facilitating more frequent and effective collaboration. TLP is not a "control marking" or classification scheme. TLP was not designed to handle licensing terms, handling and encryption rules, and restrictions on action or instrumentation of information. TLP labels and their definitions are not intended to have any effect on freedom of information or "sunshine" laws in any jurisdiction. TLP is optimized for ease of adoption, human readability and person-to-person sharing; it may be used in automated sharing exchanges, but is not optimized for that use. TLP is distinct from the Chatham House Rule (when a meeting, or part thereof, is held under the Chatham House Rule, participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed.), but may be used in conjunction if it is deemed appropriate by participants in an information exchange. The source is responsible for ensuring that recipients of TLP information understand and can follow TLP sharing guidance. If a recipient needs to share the information more widely than indicated by the original TLP designation, they must obtain explicit permission from the original source. This will be added to Internet Alerts Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Anchor - Make Your Own Podcast
https://anchor.fm/
Anchor is the easiest way to make a podcast, ever. It's the only app that lets you record a high-quality podcast, and distribute it everywhere (including Apple Podcasts) – all in one place. No fancy equipment or podcasting experience necessary, and it's 100% free! Features include: 1) 100% Free - They don't believe in charging creators to make or store their podcasts. No storage limits, no trial period, no catch; 2) Be Heard Everywhere - They make it easy to distribute your podcast to major platforms like Apple Podcasts and Google Play Music with just one click; 3) Make Podcasting Social - Record with a co-host, publish voice messages from your listeners, and drive discussions around your episodes; 4) Podcast Anywhere - They give you the flexibility to podcast on the go, and the power to manage it from your desktop. No professional studio required; 5) Share Transcribed Videos - Automatically transcribe your podcast into an animated video - perfect for getting your podcast heard on social media; and 6) Straightforward Analytics - Easily track how your podcast is doing so you can see what's working and grow your audience over time. This will be added to Student Research Resources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Lit Quotes
http://www.litquotes.com/
Looking for powerful quotes from literature? Want to research literary quotes? We've got over 2,800 quotes from literature. Unlike other quotations websites, all of the quotes here are sourced and verified. The quotations are selected by real people and added to the quotations topics manually. This also gives us the ability to share some unusual quote topics with our readers. . Examples include love gone bad quotes, smelly quotes (honestly, just take a look) and words of wisdom from literature. This will be added to Reference Resources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

BlueJeans - Meeting Platform for the Modern Workplace
https://www.bluejeans.com/
BlueJeans is the meetings platform for the modern workplace. We bring video, audio and web conferencing together with the collaboration tools people use every day. Simple - Schedule, join and host one-touch meetings in just six seconds from anywhere, on any device or room system. Experience HD video and stunningly clear audio powered by Dolby Voice® in an intuitive, intelligent interface. Modern - Drive meeting productivity within the digital workplace through seamless integration with your favorite scheduling, messaging and productivity tools. Leverage AI and voice recognition to make your meetings intelligent. Trusted - Manage and troubleshoot meetings, events and rooms in real-time with an enterprise-grade platform that meets the most demanding management, security and scalability requirements. BlueJeans provides an unparalleled meeting

27

experience with one-touch meeting joins from your favorite scheduling and collaboration tools, devices and room systems. Remove the technical barriers between conference room systems, computers, mobile devices, browsers and applications. The BlueJeans Meetings Platform provides a secure, global and scalable architecture that enables productive video, audio and web conferencing meetings from anywhere. Productive meetings involve collaboration on several levels. BlueJeans brings together features like screen sharing, polling, Q&A, recording, and text chat to make collaboration easy. We've added integrations with key AI and voice recognition partners to streamline tasks like intelligent transcription and meeting initiation. And with superior Dolby Voice enabled in all our meetings, you can engage with crystal clear audio from wherever. Launch or join video meetings directly from your favorite applications. BlueJeans works seamlessly with Microsoft Skype for Business, Microsoft Teams, Workplace by Facebook, Office 365, Google Calendar, Atlassian HipChat, Slack and more. And our APIs let you add cloud-powered video calls to your own applications. Explore rich analytics and moderate live meetings from one centralized dashboard. BlueJeans Command Center gives help desk personnel, IT staff and senior leaders the meeting intelligence they need to measure ROI, solve network issues, manage rooms and make informed decisions. Enjoy peace of mind with hassle-free deployment, enterprise-grade security, performance, manageability and scalability that comes from a global multi-point of presence cloud provider with nearly a decade of experience. Ensure secure deployment with Firewall/NAT transversal, SOC 2 and SOC 3 verification, encryption and IP VPN deployment options. Meet privacy regulations with full GDPR compliance. Receive the 'white glove' treatment your organization deserves with friendly technical support and services. Our service offerings include deployment planning, training programs, event assist services and access to dedicated customer success managers and enterprise solutions engineers. Learn about Meetings, Rooms and Events platforms. This will be added to World Wide Web Reference Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

TeacherTube
https://www.teachertube.com/
On September 1, 2017 TeacherTube.com was acquired by Salem Web Network. Salem's goal is to continue the growth of TeacherTube and support innovative ideas for education. Most importantly, TeacherTube community members are a major part of the evolution of the site. Members are encouraged to not only upload educationally relevant videos, but also to make constructive comments and use the rating system to show appreciation for videos of value to one as an educator or learner. Users also have the ability to preserve the integrity of the site by flagging inappropriate videos. TeacherTube staff review flagged sites and will remove any inappropriate posts. With more collegial commentary and discussion through messaging and responses, the quality of this resource will only increase. Their original goal is to provide an online community for sharing instructional videos. We seek to fill a need for a more educationally focused, safe venue for teachers, schools, and home learners. It is a site to provide anytime, anywhere

professional development with teachers teaching teachers. As well, it is a site where teachers can post videos designed for students to view in order to learn a concept or skill. The service is free for everyone. This will be added to Education and Academic Resources Subject Tracer™. This will be added to Student Research Resources Subject Tracer™. This will be added to World Wide Web Reference Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

123RF Digital Stock
https://www.123rf.com/
As a 100% bootstrapped company since 2005, they have grown to be one of the world's largest digital stock agency with an evenly distributed global footprint. 123RF has helped a wide clientele of individuals and businesses tell their stories using creative imagery, sounds and motion contributed by talents from around the world. Moving forward, they are ready to impact the creative industry in a big way as a global player that enables creative solutions through constant innovation, new products and services. So keep an eye out for them! This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Zensed - Fraud Prevention Made Easy
https://zensed.com
Powered by Artificial Intelligence and Machine Learning ... A truly autonomous system, built and developed by seasoned fintech professionals that grew tired of mediocre fraud prevention tools with unsatisfactory fraud rate results. Using Artificial Intelligence modelling the Zensed Engine is built to continually analyse and improve anti-fraud results and to monitor, react and adapt to new sources and trends in fraudulent activity. Thanks to ongoing learning and live input from global merchants they help you stay one step ahead. For Zensed its equally important to find the criminals as to not block any of the legitimate customers. With their hundreds of different datapoints they give an enriched insight in to the accurate decision of why their system calculates a certain percentage. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

SummarizeBot
http://www.summarizebot.com/
They are scientific company specializing in data analysis with application of Artificial Intelligence, Machine Learning, Blockchain and Natural Language Processing. They have developed and patented the most advanced document summarization algorithm, that supports almost every existing language. Summarize your long texts, papers, researches, weblinks, etc. Save time and be more productive. Just summarize it! This will be added to Artificial Intelligence Resources Subject Tracer™. This will be added to Bot Research

Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Siftery Discover Software
https://siftery.com/
They created Siftery to help businesses better discover, buy and use software. Drill down into one of over 600 categories and sub-categories divided by role. Effortlessly visualise and optimize your team's software spend. Want in on who the early adopters are for up and coming products? Discover products that are most recommended by other companies like yours. Recent brief reviews from top influencers and professionals. Curious about some of the top product comparisons? This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Live-Ask.com
https://www.live-ask.com/
Live-Ask.com provides a simple, free, and real-time service for the audience to ask questions before and during panel discussions, conference presentations, meetups, and more. Think of Live-Ask as your one-stop solution for moderating discussions. The idea for Live-Ask evolved while being the organizer of one of the biggest meetup groups in Hamburg, Germany – the Hamburg Unity Meetup! With over 530 awesome members and 8 organized events, our group has been meeting since 2016. Features include: a) provides a simple event setup for a moderator, with no login necessary; b) is open and anonymous for everyone - just share a link; c) allows participants to easily add any question to a discussion; d) operates in real time – see what others vote for instantly; e) works on all platforms – use it on your phone, tablet, or laptop; and f) is completly free to use. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Resea

Frame.io - Video Review and Collaboration Solved
https://frame.io/
Privately upload, review, and share video with your entire team, anywhere in the world. Video Collaboration for the 21st Century ... They replace the hodgepodge of Dropbox for file sharing, Vimeo for video review and email for communication, but that's just a start... Features: 1) Eliminate Miscommunication - Communicating in a static medium over moving visual content always leads to tons of confusion...we solved that; 2) Prevent Feedback Paralysis - Dramatically reduce feedback cycles and make it dead simple for your team and clients to work with you; and 3) Unleash Serious Productivity - Realize new efficiencies by harnessing your team's potential. Loop your whole crew into the creation process. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Updated> Bot and Intelligent Agent Research Resources 2019
http://www.BotResearch.info/
The above is the associated white paper link dataset compilation of the Bot Research
Subject Tracer™ Information Blog by Marcus P. Zillman, M.S., A.M.H.A. It is a 25 page
.pdf document 705KB. [**All Links Validated and New Links added on October 6,**
2018] Other white papers are available by clicking here.

Quantum Cloud Services (QCS)
https://www.rigetti.com/qcs
The quantum-first cloud platform designed to accelerate your research in quantum
computing and its applications. Develop and execute quantum-classical programs in a
virtual, classical compute environment that is side-by-side with our real quantum
hardware. Features include: a) Low Latency - With co-located classical and quantum
hosts, jobs that once took seconds now take milliseconds. This low-latency access to
hardware makes QCS their fastest quantum computing platform ever; b) Pre-Configured
Environment - Every user has a dedicated Quantum Machine Image that comes pre-
configured with our Forest SDK and serves as a single access point to our QVM and
QPU backends. No request forms. No waiting in line; and c) Parametric Programs -
Further reduce quantum-classical feedback time by taking compilation out of the loop.
Their custom control electronics open the possibility to have compiled program binaries
that allow for dynamic inputs at run-time. Faster iteration means getting to your solution
sooner. This will be added to Grid, Distributed and Cloud Computing Resources Subject
Tracer™. This will be added to Artificial Intelligence Resources Subject Tracer™. This
will be added to Script Resources Subject Tracer™. This will be added to Business
Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources
Subject Tracer™. This will be added to the tools section of Research Resources Subject
Tracer™.

How to Scrape Data from a Website Using Python
https://www.codementor.io/oluwagbengajoloko/how-to-scrape-data-from-a-website-
using-python-n3fmtc63q
This tutorial would walk you through how to scrape data from a table on Wikepedia. The
page we would be scraping data from is List of countries and dependencies by
population. You can visit the link to a get a feel of how the page looks. This will be
added to Web Data Extractors white paper. This will be added to Script Resources
Subject Tracer™. This will be added to Business Intelligence Resources Subject
Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be
added to the tools section of Research Resources Subject Tracer™.

Financial Assistance for Disabled Homeowners and Tenants
https://www.tradesmenprices.co.uk/financial-assistance/
Registering as disabled can feel intimidating for a number of reasons, with many of them
revolving around potentially lost opportunities. The American Dream dictates that
anybody can achieve their goals if they roll up their sleeves and work hard enough, but

what happens to the unfortunate individuals that are betrayed by their own bodies? Thankfully, the nation's government is ready to step in and lend a financial hand to many disabled Americans. The Americans with Disabilities Act has helped countless people that would otherwise by hindered by physical ailments take huge strides to receive the same opportunities as their able-bodied compatriots. In addition, several funding streams are available to homeowners. Regardless of whether amendments are required to an existing house or apartment, or a disabled American is looking to climb upon the lowest rung of the property ladder as a first-time buyer, help can be sourced. This article will discuss these many and varied options. This will be added to Elder Resources Subject Tracer™. This will be added to Accessibility Resources Subject Tracer™.

Informal Science
http://www.informalscience.org
STEM educators and researchers interested in engaging with the public may find Informal Science to be a valuable resource. Informal Science features a diverse collection of pedagogical resources designed to help support STEM educators in lifelong learning environments beyond formal classrooms. Here, readers will find a "portal to project, research and evaluation resources designed to support and connect the informal STEM education community in museums, media, public programs and a growing variety of learning environments." The homepage features an interface where visitors may search Informal Science's collection of resources by a variety of fields such as learning environment (e.g. theater programs or conferences), audience (e.g. pre-K children or policymakers), or discipline (e.g. art or mathematics). The menu bar at the top facilitates browsing through their guides on developing projects, conducting research using informal STEM education, and evaluating projects. Informal Science is funded by the National Science Foundation and operated by the Center for the Advancement of Informal Science Education. This will be added to Education and Academic Resources Subject Tracer™. This will be added to Student Research Resources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™. Copyright © 2017 Internet Scout Research Group - http://scout.wisc.edu

Maildrop
http://maildrop.cc
Maildrop is a service that provides free, disposable email addresses to use when signing up for new websites or apps. These mailboxes are designed to be temporary and transient. A Maildrop inbox can hold at most 10 messages, and an inbox that doesn't receive a message within 24 hours is automatically cleared. No attachments are allowed and messages larger than 100KiB will be discarded. Per the Maildrop "How It Works" page, the service is designed to provide "no security" and "little to no privacy." Maildrop's front page gives a number of example uses for their disposable mailboxes. The Maildrop service works in any modern browser. Maildrop is a free software with source code available on GitHub under the MIT license. Self-hosting instructions and hardware

requirements are included in the Maildrop GitHub repository. This will be added to [Business Intelligence Resources](#) Subject Tracer™. This will be added to [Entrepreneurial Resources](#) Subject Tracer™. This will be added to the tools section of [Research Resources](#) Subject Tracer™. Copyright © 2017 Internet Scout Research Group - http://scout.wisc.edu

Grsync
http://www.opbyte.it/grsync
Grsync is a graphical front-end to the venerable rsync command-line folder synchronization tool. Grsync is able to efficiently propagate changes between two copies of a folder by sending only the differences. It can be used both on local folders or over the internet. Grsync provides a user-friendly point-and-click interface to rsync for users that are less fond of using a shell. Sample uses for Grsync suggested on the project website include synchronizing a music collection with a removable drive, backing up personal files to a network drive, or migrating files from an old, small hard drive to a newer, larger one. A Windows executable is available for download from the Grsync website. MacOS users can install Grsync using MacPorts or Homebrew. Linux and BSD users can find Grsync in their package management systems. Grsync is a free software with source code available under the GNU General Public License from the Grsync website. This will be added to [Script Resources](#) Subject Tracer™. This will be added to [Business Intelligence Resources](#) Subject Tracer™. This will be added to [Entrepreneurial Resources](#) Subject Tracer™. This will be added to the tools section of [Research Resources](#) Subject Tracer™. Copyright © 2017 Internet Scout Research Group - http://scout.wisc.edu

BioScan® Directory
https://www.medicaldevicedaily.com/servlet/com.accumedia.web.Dispatcher?next=bioScan
BioWorld MedTech is the news source of record for the high-tech medical technology industry and is relied on by thousands of industry insiders every business morning. This business-focused intelligence service is the flagship publication of BioWorld's med-tech group, the publishers, also, of the annual BioWorld MedTech State of the Industry Report, and much more. When you need information on the players in biotech, why not tap into the most accurate source? With more than 2,000 companies currently covered, you get detailed profiles including inside information on: 1) strategic alliances; 2) mergers; 3) product acquisitions; 4) new products in development; 5) products coming to market; 6) licensing and R&D agreements; 7) principal investors; 8) financial information; and 9) key personnel. BioScan is continuously updated and available online. This will be added to [Business Intelligence Resources](#) Subject Tracer™. This will be added to [Entrepreneurial Resources](#) Subject Tracer™. This will be added to the tools section of [Research Resources](#) Subject Tracer™.

Business Plan Archive
http://www.businessplanarchive.org/
Business Plan Archive is an online repository for business plans and related planning documents. Webmergers.com and the University of Maryland's Robert H. Smith School of Business have built this site, in cooperation with the Center for History and New Media at George Mason University and with financial support from the Alfred P. Sloan Foundation, to collect business plans for posterity. All of the documents we collect will ultimately be deposited in the Archives and Manuscript Library at the University of Maryland, College Park, where future entrepreneurs and business researchers will have access to learn from this remarkable period of technological and organizational creativity. Business Plan Archive is a research database for scholars and students interested in studying high-tech entrepreneurship in the Dot Com Era and beyond. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Business Research and Development and Innovation Survey (BRDIS)
http://www.nsf.gov/statistics/srvyindustry/
The Business Research and Development and Innovation Survey, successor to the Survey of Industrial Research and Development, is the primary source of information on research and development performed or funded by businesses within the United States. The survey is conducted for the National Center for Science and Engineering Statistics by the Census Bureau in accordance with an agreement between the two agencies. Results are used to assess trends in the performance and funding of business R&D. The annual survey examines a nationally representative sample of companies in manufacturing and nonmanufacturing industries. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

CB Insights Venture Capital Database
https://www.cbinsights.com/
The CB Insights tech market intelligence platform analyzes millions of data points on venture capital, startups, patents, partnerships and news mentions to help you see tomorrow's opportunities, today. Natural language processing tech + user submitted data gives us proprietary unstructured data. A data visualization & storytelling layer on the data helps you get to answers. Predictive models take the data and tell you where the world is going. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Center for Research in Security Prices (CRSP)/Compustat Merged Databases
http://www.crsp.com/products/research-products/crspcompustat-merged-database
The CRSP/Compustat Merged Database provides CRSP and Compustat subscribers the ability to access CRSP's stock data and Compustat's Xpressfeed fundamental data within

a single linked database. The CRSPLink® maps complex relationships over time between CRSP and Compustat company and security permanent identifiers. The level of accuracy is superior to that found when linking by other methods, such as by CUSIP* or Ticker. Features include: a) CRSP data contains security-level historical descriptive information and market data on more than 32,000 securities for both inactive and active companies from the NYSE, NYSE American, NASDAQ, and NYSE Arca exchanges; b) Compustat data contains thousands of annual and quarterly income statement, balance sheet, cash flow, pension, supplemental, and descriptive data items for active and inactive companies; and c) Reference data items include economic indicators and daily and monthly exchange rate history. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Center for Venture Research
https://paulcollege.unh.edu/center-venture-research
The Center for Venture Research is a multidisciplinary research unit of the Peter T. Paul College of Business and Economics at the University of New Hampshire. The Center's principal area of expertise is in the study of early stage equity financing for high growth ventures. The Center for Venture Research, since its inception in 1984, has undertaken and published numerous studies in the area of early-stage equity financing of entrepreneurial ventures. The Center has appeared on CNBC, MSNBC, National Public Radio, NHPTV's NH Outlook, and has been quoted in several publications including, Inc., Forbes, Fortune, Red Herring, Business Week, the Wall Street Journal, the New York Times, the Chicago Tribune and the Financial Times. In addition, the Center has presented its research in academic and practitioner forums in the United States, Asia, Australia and Europe, in testimony before Congressional Committees, and in briefings for several government agencies and scholars from the United States, Europe, Scandinavia, Australia, Asia and Africa. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Chapter 11 Library
http://www.chapter11library.com/
Chapter11Library.com gives you immediate, confidential access to our compilation of up-to-date Chapter 11 bankruptcy filings. Attorneys, investment firms, media outlets and Fortune 1000 companies will find a broad selection of the most sought-after court documents from hundreds of reorganizations, including: 1) Bankruptcy petitions; 2) Plans of reorganization; 3) Disclosure statements; 4) Creditors committee lists; 5) Post-petition financing agreements; and 6) Monthly operating reports, and many other filings. Their in-house database includes bankruptcies from all U.S. jurisdictions. While it's not meant to be exhaustive, it is updated regularly with the most-requested documents from numerous corporate bankruptcies, including recent cases. All are available for immediate download. This will be added to Business Intelligence Resources Subject Tracer™. This will be

added to [Entrepreneurial Resources](#) Subject Tracer™. This will be added to the tools section of [Research Resources](#) Subject Tracer™.

CleanTech PatentEdge
https://www.cleantechpatentedge.com/
Founded in 2004, IP Checkups is a boutique patent analytics firm that offers customized patent portfolio and technology analysis to companies, investors, research institutions and universities. CleanTech PatentEdge is the only patent-focused solution developed specifically to serve renewable energy, green materials, water treatment and other cleantech industries. Non-patent experts easily identify and analyze industry trends, competition and technologies for the cleantech and renewable energy industries. ccess, manage, and monitor patent information in all cleantech markets, from renewable energy to clean energy, from solar power to green power, from transportation to green manufacturing. This will be added to [Business Intelligence Resources](#) Subject Tracer™. This will be added to [Entrepreneurial Resources](#) Subject Tracer™. This will be added to the tools section of [Research Resources](#) Subject Tracer™.

The Comparative Immigrant Entrepreneurship Project (CIEP)
https://cmd.princeton.edu/publications/data-archives/ciep
The CIEP survey of over 1,200 Colombian, Dominican, and Salvadoran family heads is the first to explicitly measure the extent of economic, political, and socio-cultural transnationalism among immigrants and to develop predictive models of these activities. The study was designed to examine the prevalence of transnational entrepreneurship in immigrant communities and to provide basic information about its empirical contours and correlates. The research design targeted newer Latin American immigrant nationalities in their primary areas of residential concentration in the U.S. and includes questions concerning the characteristics and regularity of the ties they maintain with their countries of origin. Specifically, the coverage includes Colombians in Queens, NY; Dominicans in Washington Heights (Upper Manhattan) and Providence, RI; and Salvadorans in the Washington DC metro area (the Adams Morgan section of DC and Alexandria, Virginia) and Los Angeles (Pico Union). The published files include an explanatory statement of the study, a codebook, and data files in both SPSS and STATA format readily available for analysis. Results from CIEP have been published in major sociology journals and in specialized journals in the field of immigration. However, there is a great deal of additional information in these files that remains unanalyzed and that will be of interest to researchers in this field. This will be added to [Business Intelligence Resources](#) Subject Tracer™. This will be added to [Entrepreneurial Resources](#) Subject Tracer™. This will be added to the tools section of [Research Resources](#) Subject Tracer™.

The Comprehensive Australian Study of Entrepreneurial Emergence (CAUSEE)
https://research.qut.edu.au/ace/projects/comprehensive-australian-study-of-entrepreneurial-emergence/
The Comprehensive Australian Study of Entrepreneurial Emergence research project, or CAUSEE, is Australia's largest research project on business start-ups and the

development of young firms. The project provides an exciting opportunity to fundamentally improve our understanding of independent entrepreneurship in Australia. CAUSEE follows a large, random sample of approximately 600 emerging (but not yet operating when first contacted) business start-ups and another random sample of approximately 600 newly established young firms (which had commenced trading). In addition, over-samples of approximately 100 'high-potential', high-growth firms complement the study. The four annual waves of data collection were completed in 2007/8 – 2010/11. In addition, a follow-up was conducted in 2013 to get updated outcome information on as many firms as possible. The project has yielded: a) two doctoral dissertations (with another three underway); b) several articles in international scholarly journals; c) a number of policy reports and chapters for the federal Department of Industry; and d) a number of research briefing papers and other reports. Increased output will emerge in the coming years. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Connecting Outcome Measures in Entrepreneurship, Technology, and Science (COMETS)
https://www.kauffman.org/microsites/comets
The Connecting Outcome Measures in Entrepreneurship, Technology, and Science (COMETS) database is the result of close to two decades of research, hard work, and dedication by a community of scholars working to join data about science, technology, and economic outcomes such that links between innovations, people, and businesses can be tracked better. COMETS is a direct outgrowth of the earlier StarTechZD, STAR (Science and Technology Agents of Revolution), and NanoBank database initiatives. COMETS is an integrated database which can trace the links from government investment in R&D through the path of knowledge creation, its transmission and codification, and ultimately in many cases to commercial uses yielding a better standard of living and better jobs. The COMETS database integrates data on government grants, dissertations, patents, and publicly available firm data. This project is designed specifically for broader impact. It provides a shared database that will advance discovery and enable research otherwise impossibly expensive for nearly any dissertation student or faculty member not located at one of the few elite institutions where significant parts of the COMETS Database are available. Please note that COMETS is tracking the universe of these activities, where available, not just the star scientist or select connections for which principle investigators, Lynne Zucker and Michael Darby, are most popularly known for. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Updated> ChatterBots Resources and Sites 2019
http://ChatterBots.info/
The white paper link dataset compilation of the ChatterBots Resources and Sites 2019 Subject Tracer™ Information Blog by Marcus P. Zillman, M.S., A.M.H.A. has been just

37

updated and is now a 26 page .pdf document 712KB listing the latest and greatest online resources and sites for ChatterBots! [**Complete Updated on October 13, 2018,**] Other white papers are available by clicking here.

Data Mining Resources 2019 Whitepaper Dataset Link Compilation
http://www.DataMiningResources.info/
I have just updated my Data Mining Resources 2019 Subject Tracer™ Whitepaper Dataset Link Compilation and it is now a 33 page (753KB).pdf white paper document is available from the above URL link. It lists alphabetically the latest resources and referenced sources for data mining available from the Internet.[**Completely updated with all links validated and new URLs added on October 13, 2018**] Additional white papers and resources by Marcus P. Zillman are available by clicking here.

The Contracting and Organizations Research Institute (CORI) K-Base
http://cori.missouri.edu/pages/ksearch.htm
CORI's K-Base library contains over 690,000 contracts. Most of the contracts in the collection are executed agreements made available in public disclosure filings or in filings with a regulatory agency. Currently, the collection is primarily drawn from filings with the U.S. Securities and Exchange Commission's (SEC's) EDGAR Database. The required disclosure filings made by publicly traded companies frequently contain contracts that are of material interest to investors. CORI has downloaded, extracted, and categorized these contract filings to make them more directly available. The collection of contracts is dated at this point and we are not currently updating with new material. We are exploring opportunities both to expand the collection and to modernize the interface to be more efficient and user-friendly, as resources become available. In addition to the primary collection, special collections that were previously available only in hardcopy are now available in the v1.1 CORI Digital Library Collection. These collections includes HMO-Physician agreements, sports stadium leases, container shipping contracts, and more, and is full-text searchable. This collection is made available for educational and academic use. Researchers that use contracts from the collection should acknowledge CORI in their papers. A notice of publication or copy of papers using contracts from the collection would be appreciated. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Crunchbase - Discover Industry Trends, Investments, and News About Global Companies From StartUps to Fortune 1000
https://www.crunchbase.com/
At Crunchbase, we believe that your decisions deserve the best data. Crunchbase is the leading destination for millions of users to discover industry trends, investments, and news about global companies — from startups to the Fortune 1000. Crunchbase is about more than just data – it's about community. Crunchbase was founded to be the master record of data on the world's most innovative companies. We built a unique and scalable approach to data collection leveraging a strong community of contributors, the largest

venture partner network, and in-house data teams armed with powerful machine learning. Thanks to an amazing (and growing!) team, we're creating the single source of business intelligence. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Dealogic - Multiple Markets - One Platform
https://www.dealogic.com/
Dealogic is a trusted partner to top financial firms worldwide. Their content and software solutions power the global capital markets. Whether helping banks run their business via industry-standard data, or enhancing the way banks and investment firms connect on deals, events, and compliance – Dealogic is the answer. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Knowledge Discovery Resources 2019
http://www.KDResources.info/
Internet Annotated Link Dataset Compilation white paper titled "**Knowledge Discovery Resources 2019**" is now a 30 page research paper listing selected resources both new and existing that will help anyone who is attempting to find the latest information about knowledge discovery available on the Internet. Each source is described along with the URL address than can be accessed. Also included is a comprehensive listing of Knowledge Discovery Resources. It is freely available as a .pdf file (619KB) at the above link from the Virtual Private Library™ and authored by Marcus P. Zillman, M.S., A.M.H.A.. Other white papers are available by clicking here. **Updated: October 15, 2018**

VentureSource - Global Database on Companies Backed by Venture Capital and Private Equity
https://www.dowjones.com/products/pevc/
VentureSource is the most accurate, comprehensive global database on companies backed by venture capital and private equity in every region, industry and stage of development. Critical to spotting deal and partnership opportunities, performing comprehensive due diligence and examining trends in Private Equity/Venture Capital investment and liquidity. Experience key VentureSource features: in-depth company profiles, customizable search, and premium data and insights including post-money valuations, angel investor data and relevant real-time news — all supported by our dedicated customer service and global research teams. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

EDGAR Search Tools
https://www.sec.gov/edgar/searchedgar/webusers.htm
Free access to more than 21 million filings ... Since 1934, the SEC has required disclosure in forms and documents. In 1984, EDGAR began collecting electronic documents to help investors get information. The SEC's new system requires data disclosure — the next step to improve how investors find and use information. This will be added to Financial Sources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Updated> Prediction Markets 2019 White Paper Link Dataset Compilation
http://www.PredictionMarkets.com/
The above is the associated white paper link dataset compilation of Prediction Markets 2019 Subject Tracer™ Information Blog by Marcus P. Zillman, M.S., A.M.H.A. It is a 21 page .pdf document 683KB covering sources, sites and tools required for market prediction [**Updated including all links validated and new links added on October 6, 2018**]. Other white papers are available by clicking here.

EurIPO
http://www.euripo.it/mercati2.htm
EurIPO® is a dataset with information about the IPOs on all the European stock exchanges since the '90s. The database focuses on the exchanges of the four main European economies: London Stock Exchange, Euronext, Deutsche Börse and Borsa Italiana. For these markets, the EurIPO collects a series of data from the listing prospectus. This will be added to Financial Sources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Eurostat - Your Key to European Statistics
https://ec.europa.eu/eurostat/data/database
Eurostat offers a whole range of important and interesting data that governments, businesses, the education sector, journalists and the public can use for their work and daily life. With the development of Community policies, Eurostat's role has changed. Today, collecting data for EMU and developing statistical systems in candidate countries for EU membership are more important than ten years ago. Statistics can answer many questions. Is society heading in the direction promised by politicians? Is unemployment up or down? Are there more CO_2 emissions compared to ten years ago? How many women go to work? How is your country's economy performing compared to other EU Member States? International statistics are a way of getting to know your neighbors in Member States and countries outside the EU. They are an important, objective and down-to-earth way of measuring how we all live. This will be added to Statistics Resources and Big Data Subject Tracer™. This will be added to Financial Sources Subject Tracer™.

This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

FIVESProject - Firm and Industry Evolution, Entrepreneurship, and Strategy
http://five.dartmouth.edu/
The FIVES Project aims to accelerate and broaden the reach of research on strategy, entrepreneurship, and firm and industry evolution. Data sets contributed to the FIVES Project are freely available, along with documentation. We welcome new contributions from scholars in these areas who wish to make their data more widely available. This will be added to Statistics Resources and Big Data Subject Tracer™. This will be added to Financial Sources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

GSS - The General Social Survey
http://gss.norc.org/
For more than four decades, the General Social Survey (GSS) has studied the growing complexity of American society. It is the only full-probability, personal-interview survey designed to monitor changes in both social characteristics and attitudes currently being conducted in the United States. The GSS gathers data on contemporary American society in order to monitor and explain trends and constants in attitudes, behaviors, and attributes. Hundreds of trends have been tracked since 1972. In addition, since the GSS adopted questions from earlier surveys, trends can be followed for up to 80 years. The GSS contains a standard core of demographic, behavioral, and attitudinal questions, plus topics of special interest. Among the topics covered are civil liberties, crime and violence, intergroup tolerance, morality, national spending priorities, psychological well-being, social mobility, and stress and traumatic events. Altogether the GSS is the single best source for sociological and attitudinal trend data covering the United States. It allows researchers to examine the structure and functioning of society in general as well as the role played by relevant subgroups and to compare the United States to other nations. The GSS aims to make high-quality data easily accessible to scholars, students, policy makers, and others, with minimal cost and waiting. This will be added to Statistics Resources and Big Data Subject Tracer™. This will be added to Financial Sources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Global Entrepreneurship Monitor (GEM)
https://www.gemconsortium.org/
The Global Entrepreneurship Monitor is the world's foremost study of entrepreneurship. Through a vast, centrally coordinated, internationally executed data collection effort, GEM is able to provide high quality information, comprehensive reports and interesting stories, which greatly enhance the understanding of the entrepreneurial phenomenon - but

it is more than that. It is also an ever-growing community of believers in the transformative benefits of entrepreneurship. GEM is a trusted resource on entrepreneurship for key international organisations like the United Nations, World Economic Forum, World Bank, and the Organisation for Economic Co-operation and Development (OECD), providing custom datasets, special reports and expert opinion. These important bodies leverage GEM's rich data, tried-and-tested methodology and network of local experts to promote evidence-based policies towards entrepreneurship around the world. This will be added to Statistics Resources and Big Data Subject Tracer™. This will be added to Financial Sources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

National Science Foundation (NSF)Survey of Industrial Research and Development (SIRD)
http://www.nsf.gov/statistics/srvyindustry/sird.cfm
The Survey of Industry Research and Development is the primary source of information on R&D performed by industry within the fifty states and the District of Columbia. The results of the survey are used to assess trends in R&D expenditures. Government agencies, corporations, and research organizations use the data to investigate productivity determinants, formulate tax policy, and compare individual company performance with industry averages. Individual researchers in industry and academia use the data to investigate a variety of topics and while preparing professional papers, dissertations, and books. The usefulness of the information collected in this survey is enhanced by the linkage of the data file to the Census Bureau's Longitudinal Establishment Data file, which contains information on the outputs and inputs of companies' manufacturing plants. Further, total R&D expenditure statistics are used by the Bureau of Economic Analysis for inclusion in their System of National Accounts and Foreign Direct Investment programs. Prior to 2001, completion of four items on the questionnaire was mandated by law: sales, total number of employees, total R&D, and Federally funded R&D. Beginning in 2001, response to the item that asks for the distribution of total R&D by state also was required. This will be added to Statistics Resources and Big Data Subject Tracer™. This will be added to Financial Sources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Growthology - Entrepreneurship Research Blog
https://www.kauffman.org/currents
Written by a team of Kauffman associates and expert researchers, Growthology provides insight and analysis about entrepreneurship and education. As the premier resource for exploring entrepreneurship research, Growthology makes complex findings accessible to entrepreneurs, policymakers, media outlets, and fellow researchers. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial

Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Kauffman Emerging Scholars
https://www.kauffman.org/what-we-do/entrepreneurship
By assisting talented scholars in their efforts to earn their Ph.D., encouraging early-career research, and recognizing ground-breaking research, the Kauffman Foundation is encouraging the best and the brightest to focus their academic careers on entrepreneurship. In funding scholarly research that helps us understand the role of entrepreneurship in society and its policy implications, the Foundation has established: 1) Kauffman Dissertation Fellowship Program; 2) Kauffman Junior Faculty Fellowship; 3) Kauffman Prize Medal for Distinguished Research in Entrepreneurship; and 4) Doctoral and Early Career Training Programs in Entrepreneurship. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Kauffman Index of Entrepreneurship Series
https://www.kauffman.org/kauffman-index
The Kauffman Index of Entrepreneurship is a new series from the Kauffman Foundation bringing together the latest data available on entrepreneurial trends nationally, at the state level, and for the forty largest metropolitan areas of the United States. The Index is based on extensive entrepreneurship research, with an approach focused on presenting a balanced perspective on how to measure entrepreneurship. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Entrepreneurship Policy Digest
https://www.kauffman.org/what-we-do/resources/entrepreneurship-policy-digest
As a leading funder of economic research through the lens of entrepreneurship and education, the Kauffman Foundation compiles summaries of findings around relevant policy issues that will inform and educate lawmakers. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Kansas City Research Data Center
https://www.census.gov/about/adrm/fsrdc/locations/kansas-city.html
The Kansas City Research Data Center (KCRDC) is located at the Federal Reserve Bank of Kansas City and provides area researchers with access to some of the nation's highest-quality data for analysis of U.S. economic and public policy issues. The KCRDC is a consortium consisting of the Kauffman Foundation, the University of Kansas, the University of Kansas Medical Center, the University of Missouri and the University of

Missouri-Kansas City. The KCRDC provides data to researchers from across the region in fields such as economics, entrepreneurship, demography, urban and regional development, statistics, health care, and public policy to assist in answering research questions. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

November 2018 Zillman Column - ChatterBots Resources on the Internet 2019
http://columns.virtualprivatelibrary.net/ChatterBots_Resources_2018_nov18_Column.pdf
http://www.zillmancolumns.com/
The November 2018 Zillman Column features **ChatterBots Resources on the Internet 2019** by Marcus P. Zillman, M.S., A.M.H.A.; Executive Director of the Virtual Private Library. This is a comprehensive listing of chatterbot resources and sources currently available on the Internet. These include indexes, search engines, and directories as well as individual websites and sources that supply the latest technology and information on chatterbot and how it relates to you and the Internet. The list of sources is constantly updated with Subject Tracer™ bots from the following URL: http://www.ChatterBots.info/. These resources will help you to discover the many pathways available to you through the Internet to find the latest chatterbots sources and sites. This is another MUST have column to discover the latest competent chatterbot resources to give you the information you need in today's ever changing and fast paced 2018 New Economy business and academic world!!

Global Entrepreneurship Research Network (GERN)
https://genglobal.org/gern
Entrepreneurship Research Collaborative - The Global Entrepreneurship Research Network is a collaboration of research organizations around the world whose goals are to generate useful and actionable knowledge for entrepreneurs, policymakers, and others; fill gaps in what we know about entrepreneurship; standardize data, especially longitudinal survey work; conduct experiments and evaluation of entrepreneurship education and training programs; and, gain a better understanding of policy barriers and what the right policies are for fostering entrepreneurship. Key founding partners, along with Kauffman, are Endeavor Insight and the World Bank. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Lex Machina
https://lexmachina.com/
Lex Machina provides Legal Analytics to companies and law firms, enabling them to craft successful strategies, win cases, and close business. Legal Analytics® combines data and software to provide the winning edge in the highly competitive business and practice of law. Our unique Lexpressions engine creates data sets never before available

44

Powered By
VirtualPrivateLibrary.com™

Awareness Watch V16N11 November 2018 Newsletter
http://www.AwarenessWatch.com/
zillman@VirtualPrivateLibrary.com
eVoice: 800-858-1462
© 2018 Marcus P. Zillman, M.S., A.M.H.A.

about judges, lawyers, parties, and the subjects of lawsuits, out of millions of pages of litigation information. With this data, for the first time, lawyers can predict the behaviors and outcomes that different legal strategies will produce. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

The Health and Retirement Study
https://hrs.isr.umich.edu/
The University of Michigan Health and Retirement Study (HRS) is a longitudinal panel study that surveys a representative sample of approximately 20,000 people in America, supported by the National Institute on Aging (NIA U01AG009740) and the Social Security Administration. Through its unique and in-depth interviews, the HRS provides an invaluable and growing body of multidisciplinary data that researchers can use to address important questions about the challenges and opportunities of aging. This will be added to Elder Resources Subject Tracer™. This will be added to Healthcare Resources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

National Establishment Time-Series (NETS)
http://maryannfeldman.web.unc.edu/data-sources/longitudinal-databases/national-establishment-time-series-nets/
Walls & Associates converts Dun and Bradstreet (D&B) archival establishment data into a time-series database of establishment information, the National Establishment Time-Series (NETS) Database. The NETS Database provides longitudinal data on various dynamics of the U.S. economy that include establishment job creation and destruction, sales growth performance, survivability of business startups, mobility patterns, changes in primary markets, corporate affiliations that highlight M&A, and historical D&B credit and payment ratings. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Scientists and Engineers Statistical Data System (SESTAT)
http://www.nsf.gov/statistics/sestat/
SESTAT is the Scientists and Engineers Statistical Data System. This integrated data system is a unique source of longitudinal information on the education and employment of the college-educated U.S. science and engineering workforce. These data are collected through biennial surveys: 1) The National Survey of College Graduates (NSCG); 2) The National Survey of Recent College Graduates (NSRCG) (discontinued after 2010); and 3) The Survey of Doctorate Recipients (SDR). The NSCG is the core of SESTAT and covers the entire college graduate population residing in the United States. It provides information on individuals educated or employed in S&E fields as well as those educated or employed in non-S&E fields. The SDR further supplements SESTAT with the stock

and inflow of U.S.-degreed doctoral level scientists and engineers. Through 2010, NSRCG supplemented SESTAT with the inflow of U.S.- degreed bachelor's- and master's- level scientists and engineers. Beginning in 2013, the NSCG began capturing this population and eliminated the need for a separate survey for this population. Learn about the redesign of SESTAT. SESTAT data are available for download or through the SESTAT Data Tool, which allows users to generate their own data tables. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Survey of Industrial Research and Development (SIRD)
http://www.nsf.gov/statistics/srvyindustry/sird.cfm
The Survey of Industry Research and Development is the primary source of information on R&D performed by industry within the fifty states and the District of Columbia. The results of the survey are used to assess trends in R&D expenditures. Government agencies, corporations, and research organizations use the data to investigate productivity determinants, formulate tax policy, and compare individual company performance with industry averages. Individual researchers in industry and academia use the data to investigate a variety of topics and while preparing professional papers, dissertations, and books. The usefulness of the information collected in this survey is enhanced by the linkage of the data file to the Census Bureau's Longitudinal Establishment Data file, which contains information on the outputs and inputs of companies' manufacturing plants. Further, total R&D expenditure statistics are used by the Bureau of Economic Analysis for inclusion in their System of National Accounts and Foreign Direct Investment programs. Prior to 2001, completion of four items on the questionnaire was mandated by law: sales, total number of employees, total R&D, and Federally funded R&D. Beginning in 2001, response to the item that asks for the distribution of total R&D by state also was required. The Survey of Industrial Research and Development collected data for 1953-2007. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

The Organization for Economic Co-Operation and Development (OECD)
http://www.oecd.org/
The mission of the Organisation for Economic Co-operation and Development (OECD) is to promote policies that will improve the economic and social well-being of people around the world. The OECD provides a forum in which governments can work together to share experiences and seek solutions to common problems They work with governments to understand what drives economic, social and environmental change. We measure productivity and global flows of trade and investment. They analyse and compare data to predict future trends. They set international standards on a wide range of things, from agriculture and tax to the safety of chemicals. They also look at issues that directly affect everyone's daily life, like how much people pay in taxes and social security, and how much leisure time they can take. They compare how different

countries' school systems are readying their young people for modern life, and how different countries' pension systems will look after their citizens in old age. Drawing on facts and real-life experience, they recommend policies designed to improve the quality of people's lives. We work with business, through the Business and Industry Advisory Committee to the OECD (BIAC), and with labour, through the Trade Union Advisory Committee (TUAC). They have active contacts as well with other civil society organisations. The common thread of our work is a shared commitment to market economies backed by democratic institutions and focused on the wellbeing of all citizens. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

The Panel Study of Entrepreneurial Dynamics (PSED)
http://www.psed.isr.umich.edu/psed/home
The Panel Study of Entrepreneurial Dynamics (PSED) research program is designed to enhance the scientific understanding of how people start businesses. The projects provide valid and reliable data on the process of business formation based on nationally-representative samples of nascent entrepreneurs, those active in business creation. PSED I began with screening in 1998-2000 to select a cohort of 830 with three follow-up interviews. A control group of those not involved in firm creation is available for comparisons. PSED II began with screening in 2005-2006, followed by six yearly interviews. The information obtained includes data on the nature of those active as nascent entrepreneurs, the activities undertaken during the start-up process, and the characteristics of start-up efforts that become new firms. The interview schedule for the PSED I or II may be replicated in whole or part with the citation Panel Study of Entrepreneurial Dynamics, Institute for Social Research, University of Michigan. NEW Five Cohort Outcomes Harmonized Data Set available 3/28/18 Updated PSED I & II Bibliography available 7/21/18. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Panel Study of Income Dynamics (PSID)
https://psidonline.isr.umich.edu/
The Panel Study of Income Dynamics (PSID) is the longest running longitudinal household survey in the world. The study began in 1968 with a nationally representative sample of over 18,000 individuals living in 5,000 families in the United States. Information on these individuals and their descendants has been collected continuously, including data covering employment, income, wealth, expenditures, health, marriage, childbearing, child development, philanthropy, education, and numerous other topics. The PSID is directed by faculty at the University of Michigan, and the data are available on this website without cost to researchers and analysts. The data are used by researchers, policy analysts, and teachers around the globe. Over 4,000 peer-reviewed publications have been based on the PSID. Recognizing the importance of the data, numerous countries have created their own PSID-like studies that now facilitate cross-national

comparative research. The National Science Foundation recognized the PSID as one of the 60 most significant advances funded by NSF in its 60 year history. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

SFINNO® - Database of Finnish Innovations
https://www.vtt.fi/sites/sfinno/en
SFINNO® is a longitudinal database of some 6690 individual product/service and process innovations of Finnish businesses from across the Finnish economy. These innovations have been commercialised during the years 1945-2013. It is compiled on basis of different methodologies starting with so-called literature based innovation (LBIO) counting. Subsequent, complementary data on the commercialising firms has been collected from secondary sources such as business registers and the patent office. A questionnaire instrument with coverage since 1985 has been used to get more detailed information related to the innovation and innovation process. Variables comprise characteristics of the innovation, the innovation process and the firm. Today, efforts are made in the Group for Innovation Studies not only to keep SFINNO® up-to-date, but also to develop the database further into previously uncovered areas such as that of 'service innovations'. Also, efforts are made to get similar exercises started abroad, which could open up new possibilities for research on innovation and structural change in industries. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

The Venture Capital & Private Equity Country Attractiveness Index
https://blog.iese.edu/vcpeindex/
On this website, we present the results of a comprehensive research project on how to measure the attractiveness of a country for investors in Venture Capital and Private Equity limited partnerships. The project was initiated at IESE Business School Barcelona in 2006 with a European pilot study. From the European study, we gained experience and the confidence to extend the study globally. Since 2006 two professors, two doctoral students, and many research assistants have worked on the project. We selected and collected more than 300 different data series from all kind of providers – ranging back to 2000. We attempted to include as many countries as possible in the study, and handled more than 200,000 individual data records. Investors in Venture Capital and Private Equity funds have a key objective: to get access to transactions with satisfying risk and return ratios. They look globally to achieve their goals, and often set their sights on emerging regions. To find prime investment opportunities, investors generally look several years down the road and focus on specific factors like: economic activity (GDP, inflation, unemployment rate); size and liquidity of capital markets; taxation; investor protection and corporate governance; the human and social environment (including human capital, labour market policies and crime); and entrepreneurial culture and opportunities (including innovation capacity, the ease of doing business and the

48

development of high-tech industries). The idea of the Venture Capital and Private Equity Country Attractiveness Index is to take into account all of these factors across different nations and to determine the relative positioning of particular economies and regions as they stand in relation with respect to their attractiveness for investment in Venture Capital and Private Equity assets. This is the ninth edition of the Venture Capital and Private Equity Country Attractiveness Index. This is subject to critique and we invite constructive feedback to help us improve future editions. Selected data series may be discarded in future index versions and new and at that time more appropriate data series may be used as a substitute to existing data. The quality of the data and the number of countries covered will increase. As a result, our index is a dynamic product that always considers the most adequate and recent information. We believe this index is unique in providing transparency about the international Venture Capital and Private Equity market on such a broad scope and hope that investors appreciate the available information. Politicians may utilize our findings to increase their countries' attractiveness for international risk capital investors. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Business Employment Dynamics
https://www.bls.gov/bdm/
Business Employment Dynamics is a set of statistics generated from the Quarterly Census of Employment and Wages program. These quarterly data series consist of gross job gains and gross job losses statistics from 1992 forward. These data help to provide a picture of the dynamic state of the labor market. The Business Employment Dynamics statistics track changes in employment at the establishment level, revealing the dynamics underlying net changes in employment. These data include the number and rates of gross jobs gained at opening and expanding establishments, as well as the number and rates of gross jobs lost by closing and contracting establishments. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Current Population Survey (CPS)
https://www.bls.gov/cps/
The Current Population Survey (CPS) is a monthly survey of households conducted by the Bureau of Census for the Bureau of Labor Statistics. It provides a comprehensive body of data on the labor force, employment, unemployment, persons not in the labor force, hours of work, earnings, and other demographic and labor force characteristics. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

National Longitudinal Surveys (NLS)
https://www.bls.gov/nls/
The National Longitudinal Surveys (NLS) are a set of surveys designed to gather information at multiple points in time on the labor market activities and other significant life events of several groups of men and women. For more than 4 decades, NLS data have served as an important tool for economists, sociologists, and other researchers. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Annual Survey of Entrepreneurs (ASE)
https://www.census.gov/programs-surveys/ase.html
The ASE provides annual data on select economic and demographic characteristics of employer businesses and their owners by gender, ethnicity, race, and veteran status. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Annual Survey of Manufactures (ASM)
https://www.census.gov/programs-surveys/asm.html
The Annual Survey of Manufactures (ASM) provides sample estimates of statistics for all manufacturing establishments with one or more paid employee. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Business Formation Statistics (BFS)
https://www.census.gov/programs-surveys/bfs.html
The Business Formation Statistics (BFS) are a product of the U.S. Census Bureau developed in research collaboration with economists affiliated with Board of Governors of the Federal Reserve System, Federal Reserve Bank of Atlanta, University of Maryland, and University of Notre Dame. The current BFS is released as a research product in "beta" form. A final version is in the research and development phase. The Business Formation Statistics (BFS) provide timely and high frequency data on: a) Business applications as indicated by applications for an Employer Identification Number (EIN); b) Actual and projected business formations originating from business applications based on the record of first payroll tax liability for an EIN; and c) Delay in business formation as indicated by the average duration between business application and business formation. The BFS data cover: 1) The period starting from the third quarter of 2004 (2004q3) at a quarterly frequency; and 2) The United States - nationwide and individual states. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Association of University Technology Managers (AUTM) - Transforming Ideas Into Opportunities
https://www.autm.net
AUTM is the nonprofit leader in efforts to educate, promote and inspire professionals, throughout their careers, to support the development of academic research that changes the world. AUTM's community is comprised of more than 3,200 members who work in more than 800 universities, research centers, hospitals, businesses and government organizations around the globe. The core purpose of AUTM is to support and advance academic technology transfer globally. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

European Patent Office's Worldwide Patent Statistical Database (PATSTAT)
https://www.epo.org/searching-for-patents/business/patstat.html#tab1
The EPO's PATSTAT has become a point of reference in the field of patent intelligence and statistics. It helps you perform sophisticated statistical analyses of bibliographical and legal status patent data. PATSTAT contains bibliographical and legal status patent data from leading industrialised and developing countries. This is extracted from the EPO's databases and is either provided as bulk data or can be consulted online. The PATSTAT product line forms a unique basis for conducting sophisticated analyses of bibliographic and legal status data. It has become a standard in the field of patent intelligence and statistics. The PATSTAT product line consists of two individual databases. They are available as a bulk data set or via PATSTAT Online, a web-based interface to the databases. With PATSTAT Online, you can run queries in the databases, conduct statistical analyses, visualise the data and download it for offline use. PATSTAT Global: PATSTAT Global contains bibliographical data relating to more than 100 million patent documents from leading industrialised and developing countries. It also includes the legal status data from more than 40 patent authorities contained in the EPO worldwide legal status database (INPADOC). PATSTAT EP Register: This database contains bibliographic and legal status data on published European and Euro-PCT patent applications. This will be added to Financial Sources Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Caffe2 - New Lightweight, Modular, and Scalable Deep Learning Framework
https://caffe2.ai/
CODE ONCE, RUN ANYWHERE ... Your favorite deep learning technology, now from zero to scale, cloud to mobile. affe2 aims to provide an easy and straightforward way for you to experiment with deep learning and leverage community contributions of new models and algorithms. You can bring your creations to scale using the power of GPUs in the cloud or to the masses on mobile with Caffe2's cross-platform libraries. ry out their quickstart tutorials or jump in and start developing. Caffe2 comes with Python & C++ APIs so you can prototype now, easily optimize later. Use cloud services, Docker, or

install on Mac, Windows, or Ubuntu. It integrates with Visual Studio, Android Studio, and Xcode for mobile development. You can use pre-trained models to quickly build demo applications and explore deep learning capabilities without doing any time-consuming and resource-intensive training. You can recreate and evaluate the results from others' projects, hack together new uses, or improve upon the previously posted models. This will be added to Artificial Intelligence Resources 2019 Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

OpenCV (Open Source Computer Vision Library)
https://opencv.org/
OpenCV (Open Source Computer Vision Library) is released under a BSD license and hence it's free for both academic and commercial use. It has C++, Python and Java interfaces and supports Windows, Linux, Mac OS, iOS and Android. OpenCV was designed for computational efficiency and with a strong focus on real-time applications. Written in optimized C/C++, the library can take advantage of multi-core processing. Enabled with OpenCL, it can take advantage of the hardware acceleration of the underlying heterogeneous compute platform. Adopted all around the world, OpenCV has more than 47 thousand people of user community and estimated number of downloads exceeding 14 million. Usage ranges from interactive art, to mines inspection, stitching maps on the web or through advanced robotics. This will be added to Artificial Intelligence Resources 2019 Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Plickers
https://play.google.com/store/apps/details?id=com.plickers.client.android&hl=en
Plickers lets you poll your class for free, without the need for student devices. Just give each student a card (a "paper clicker"), and use your Android smartphone or tablet to scan them to do instant checks-for-understanding, exit tickets, and impromptu polls. Best of all, your data is automatically saved, student-by-student, at plickers.com. This will be added to Education and Academic Resources Subject Tracer™. This will be added to Artificial Intelligence Resources 2019 Subject Tracer™. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

Collection of Tax Saving Tips and Tricks for Businesses
https://online.maryville.edu/online-bachelors-degrees/business-administration/tax-saving-tips-for-businesses/
Though much has been written (and attempted to be explained) about the soon-to-be-implemented tax plan, corporations and institutions of all sizes as well as self-employed

individuals are often still unsure about all of their options. There are many factors that affect large and small businesses — the market fluctuates, demand shifts, and technology raises the bar on products and services, but the arrival of tax season will never change. Many businesses likely lose money every year, sometimes in significant amounts, simply because of incorrect or inefficient tax planning and execution. Business owners know that every penny counts. And when it comes to tax planning and filing, it's helpful to be aware of any and all tax saving tips and tricks. Read on to learn about what businesses may be overlooking when it comes to the tax process, and how a few simple hacks can make a real difference to the bottom line. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™.

The Journal of Problem Solving
https://docs.lib.purdue.edu/jps
The Journal of Problem Solving is an open-access online journal that focuses on "empirical and theoretical papers on mental mechanisms involved in problem-solving." Currently in its eleventh volume and generally publishing one issue each year, this multidisciplinary journal publishes original research from the fields of psychology, neuroscience, computer science, mathematics, and operations research. Examples of its most popular papers include "What Are the Odds? A Practical Guide to Computing and Reporting Bayes Factors" by Andrew F. Jarosz and Jennifer Wiley from the University of Illinois at Chicago, and "The Role of the Goal in Solving Hard Computational Problems: Do People Really Optimize?" by Sarah Carruthers, Ulrike Stege, and Michael E. J. Masson from the University of Victoria. Published by Purdue University Press, The Journal of Problem Solving has Zygmunt Pizlo, Professor and Endowed Chair in Cognitive Sciences at the University of California-Irvine, as its editor-in-chief, with a multidisciplinary editorial board from across North America and Europe. This will be added to Business Intelligence Resources Subject Tracer™. This will be added to Entrepreneurial Resources Subject Tracer™. This will be added to the tools section of Research Resources Subject Tracer™. Copyright © 2017 Internet Scout Research Group - https://scout.wisc.edu

Awarenesswatch™ Paper Review

Modes of Writing in a Digital Age: The Good, The Bad and The Unknown by Anne Mangen
http://firstmonday.org/ojs/index.php/fm/article/view/9419

Abstract
With digitization, our modes of writing change and we go from writing by putting pen to paper, to typing on a variety of screens. In educational as well as in leisurely settings, writing by hand is increasingly marginalized, and may in a foreseeable future be abandoned altogether. Summarizing some of the research comparing handwriting and

typewriting, this article aims to shed light on some salient features handwriting and keyboard writing, and to discuss what may be the implications of the ongoing marginalizing or even abandonment of handwriting — in a short- and long-term perspective.

Subject Tracer™ Information Blogs

Subject Tracer™ Information Blogs created and developed by the Virtual Private Library™ combine the best of the latest tools on the Internet. Using bots, blogs and news aggregators the Subject Tracer™ Information blogs generate RSS feeds with the latest resources to create a current information resource flow through niched subject tracers. I am proud to be the creator of the Internet's first Subject Tracer™ Information Blogs:

Virtual Private Library™
http://www.VirtualPrivateLibrary.com/

Accessibility Resources
http://www.AccessibilityResources.info/

Agriculture Resources
http://www.AgricultureResources.info/

AnswerSpot
http://www.AnswerSpot.us/

Artificial Intelligence Resources
http://www.AIResources.info/

Astronomy Resources
http://www.AstronomyResources.info/

Auction Resources
http://www.AuctionResources.info/

Biological Informatics
http://www.BiologicalInformatics.info/

Biotechnology Resources
http://www.BiotechnologyResources.info/

Bot Research
http://www.BotResearch.info/

Business Intelligence Resources
http://www.BIResources.info/

ChatterBots
http://www.ChatterBots.info/

Data Mining Resources
http://www.DataMiningResources.info/

Deep Web Research
http://www.DeepWebResearch.info/

Directory Resources
http://www.DirectoryResources.info/

eCommerce Resources
http://eCommerceResources.info/

Education and Academic Resources
http://www.EducationResources.info/

Elder Resources
http://www.ElderResources.info/

Employment Resources
http://www.EmploymentResources.info/

Entrepreneurial Resources
http://www.EntrepreneurialResources.info/

Fact Checkers Directory
http://www.FactCherckers.us/

Financial Sources
http://www.FinancialSources.info/

Finding People
http://www.FindingPeople.info/

Games Resources
http://www.GamesResources.info/

Genealogy Resources
http://www.GenealogyResources.info/

Grant Resources
http://www.GrantResources.info/

Green Files
http://www.GreenFiles.info/

Grid, Distributed and Cloud Computing Resources
http://www.GridResources.info/

Healthcare Resources
http://www.HealthcareResources.info/

Information Futures Markets
http://www.InformationFuturesMarkets.com/

Information Quality Resources
http://www.InformationQualityResources.info/

International Trade Resources
http://www.InternationalTradeResources.info/

Internet Alerts
http://www.InternetAlerts.info/

Internet Demographics
http://www.InternetDemographics.info/

Internet Experts
http://www.InternetExperts.info/

Internet Hoaxes
http://www.InternetHoaxes.info/

Intrapreneurial Resources
http://www.IntrapreneurialResources.info/

Journalism Resources
http://www.JournalismResources.info/

Knowledge Discovery
http://www.KnowledgeDiscovery.info/

Military Resources
http://www.MilitaryResources.info/

New Economy Analytics, Resources and Alerts
http://www.NewEconomyAnalytics.com/

Outsourcing/Offshoring Information and Resources
http://www.OutsourcingOffshore.us/

Privacy Resources
http://www.PrivacyResources.info/

Reference Resources
http://www.ReferenceResources.info/

Research Resources
http://www.ResearchResources.info/

RestStress™
http://www.RestStress.com/

Script Resources
http://www.ScriptResources.info/

ShoppingBots
http://www.ShoppingBots.info/

Social Informatics
http://www.SocialInformatics.info/

Statistics Resources and Big Data
http://www.StatisticsResources.info/

Student Research
http://www.StudentResearch.info/

Theology Resources
http://www.TheologyResources.info/

Tutorial Resources
http://www.TutorialResources.info/

World Wide Web Reference
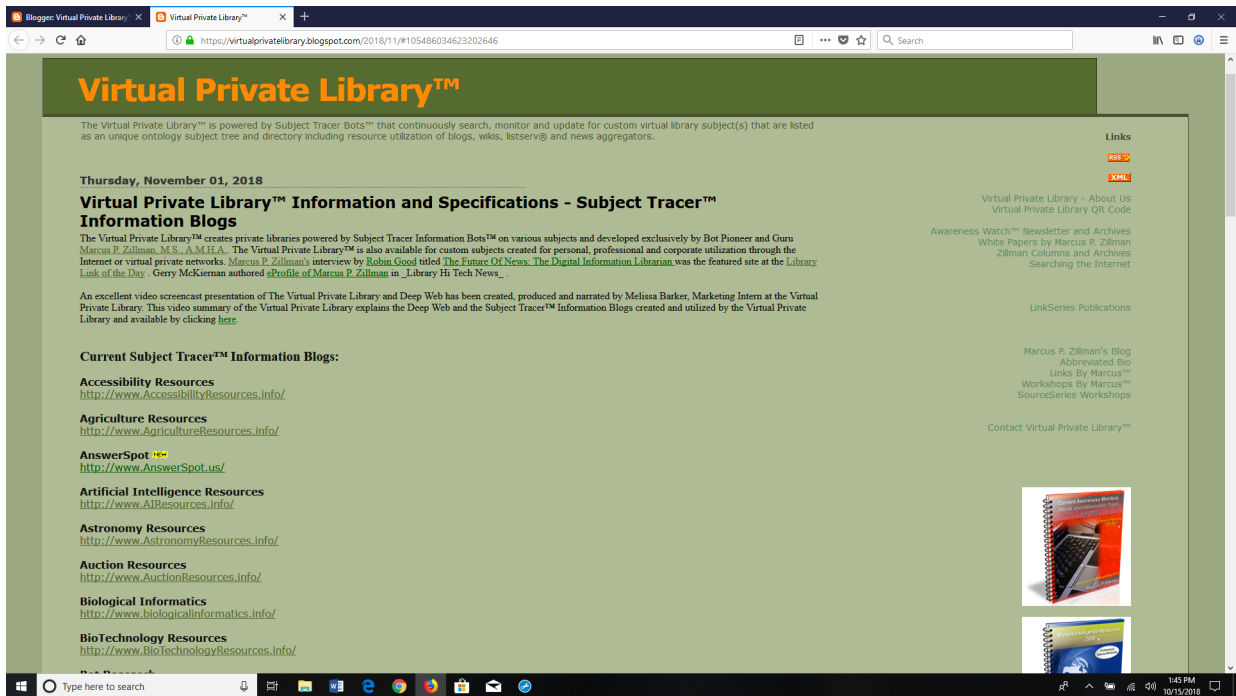http://www.WWWReference.info/

Figure 1: Virtual Private Library™

Author Information: Marcus P. Zillman, M.S., A.M.H.A. Executive Director of the Virtual Private Library is an international Internet expert, author, keynote speaker and corporate consultant in the area of information retrieval, knowledge discovery, knowledge harvesting, artificial intelligence and bots/intelligent agents. He has created numerous world wide web sites including 54 Subject Tracer™ Information Portals and Blogs; written a number of internet miniguides, white papers, manuals and books; hosted over 160 weekly Internet television shows, writes a weekly and monthly column on Current Awareness on the Internet; writes a monthly newsletter Awareness Watch and delivers keynote presentations throughout the international marketplace. He also actively delivers one and two day workshops for key industry sectors displaying how the Internet can be used as a tool to maintain current awareness and professional competencies.

Additional websites by Marcus P. Zillman, M.S., A.M.H.A.:

Marcus P. Zillman's Blog (20,000+ Postings)
http://www.zillman.us/

Marcus P. Zillman Abbreviated Bio
http://www.zillman.info/

White Papers by Marcus P. Zillman
http://www.WhitePapers.us/

58

Internet MiniGuides™
http://www.InternetMiniguide.com/

Awareness Watch™ Newsletter
http://www.AwarenessWatch.com/

Marcus P. Zillman's Columns
http://www.ZillmanColumns.com

LinkSeries Publications
http://www.LinkSeries.com/

Links By Marcus™
http://www.LinksByMarcus.com/

Workshops By Marcus™
http://www.WorkshopsByMarcus.com/

SourceSeries Internet Research Workshops
http://www.SourceSeries.com/

Watch Marcus™
http://www.WatchMarcus.com/

listen to marcus™
http://www.ListenToMarcus.com

Research White Papers, Articles, Lectures and Speeches by Marcus P. Zillman, M.S., A.M.H.A.:

2018 Directory of Directories
http://www.2018DirectoryOfDirectories.com/

Academic and Scholar Search Engines and Sources
http://www.ScholarSearchEngines.com/

Bots, Blogs and News Aggregators 2019
http://www.BotsBlogs.com/

Business Intelligence Online Resources 2018
http://www.BIOnlineResources.info/

Cloud Computing Resources Primer 2018
http://www.zillman.us/white-papers/grid-distributed-and-cloud-computing-resources-primer/

Current Awareness Discovery Tools on the Internet 2019
http://www.zillman.us/white-papers/current-awareness-discovery-tools-on-the-internet/

Deep Web Research and Discovery Resources 2018 Online White Paper
http://DeepWeb.us/

eMarketing MiniGuide 2018
http://www.eMarketingMiniGuide.com/

eReference Library Link Toolkit 2018
http://www.eReferenceLibrary.com/

Finding Experts By Using the Internet 2018
http://www.FindingExperts.info/

Finding People Resources and Sites 2019
http://www.FindingPeople.info/

Healthcare Bots and Subject Directories 2018
http://www.HealthcareBots.info/

Knowledge Discovery Resources 2018
http://www.KDResources.info/

New Economy Resources 2018
http://www.NewEconomyResources.com/

Online Research Browsers 2018
http://www.zillman.us/white-papers/online-research-browsers/

Online Research Tools
http://www.OnlineResearchTools.info/

Online Social Networking 2018
http://www.OnlineSocialNetworking.info/

Searching the Internet 2018 – The Primer   - 2019 Guide to Searching the Internet
http://www.SearchingTheInternet.info/

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery 2018
http://www.zillman.us/white-papers/using-the-internet-as-a-dynamic-resource-tool-for-knowledge-discovery/

Web Data Extractors 2018
http://www.WebDataExtractors.com/

Web Guide for the New Economy 2018
http://www.WebGuideNewEconomy.com/

White Papers By Marcus P. Zillman, M.S., A.M.H.A.
http://www.WhitePapers.us/

Internet Tutor by Marcus P. Zillman, M.S., A.M.H.A.
http://www.InternetTutor.info/
Visit this site to learn about the availability of Marcus P. Zillman to tutor you or your associate one on one in the privacy of your residence or office on the latest happenings of the Internet including Internet basics to advanced Internet searching using bots and creating your own personal blog .

Internet Speaking by Marcus P. Zillman, M.S., A.M.H.A.
http://www.InternetSpeaker.net
Visit this site to learn about Marcus P. Zillman's speaking engagements for your organization meetings and events. View and listen to his previous presentations as well as his weekly television shows.

Internet Consulting by Marcus P. Zillman, M.S., A.M.H.A.
http://InternetConsultant.BlogSpot.com/
Visit this site to obtain information about obtaining the consultation services of Marcus P. Zillman for your company including eCommerce audits, utilization of bots, blogs and news aggregators or the creation of your own personal virtual private library powered by Subject Tracer™ Information bots!

Current Awareness Monitors, Alerts and Information Traps
http://www.ecurrentAwareness.com/
http://www.CurrentAwarenessTools.com
 Marcus P. Zillman's latest reports Current Awareness Monitors, Alerts and Information Traps and Current Awareness Tools 2018 are now available. One for purchase and one freely availanle online and immediate download. These reports are comprehensive listings of the latest resources, sources and sites for current awareness on the Internet. This is a must read for anyone who must stay current in their profession and/or business activity as the list of URLs will keep you at the leading edge of your career.

Market Intelligence Resources
http://www.MarketIntelligenceResources.com/
Marcus P. Zillman's just released professional Internet MiniGuide is titled Market Intelligence Resources and is available for purchase online and immediate download. This 193 page digital miniguide represents a comprehensive listing of the latest resources, sources and sites to discover the latest Market Intelligence sources available on the Internet with many of them freely available! Designed specifically for today's entrepreneur, professional and/or investor.

Entrepreneurial Links 101
http://www.EntrepreneurialLinks.com/
Marcus P. Zillman's newly released 231 page eReference digital book for the up and coming entrepreneur. Entrepreneurial Links 101 gives an alphabetical listing of the very best Internet and World Wide Web sites covering Entrepreneur Resources, Business Intelligence Resources and an extremely comprehensive list of Online Research Tools. This is considered by many to be the entrepreneur's bible for finding relevant and competent online resources!

Internet Privacy and Security Resources
http://www.InternetPrivacySecurity.net/
Marcus P. Zillman's latest eReference digital publication is a selected comprehensive alphabetical listing of the latest resources and sites covering all aspects of privacy and security currently available over the Internet. From the board room to the family room, these resources and sites give you the information you need to maintain your privacy and security as you use the Internet in your business and personal life.

Research Resources Online Guide
http://www.ResearchResourcesOnline.net/
Marcus P. Zillman's latest LinkSeries Publication is a 340 page digital guide of a selected comprehensive alphabetical listing of the latest and greatest resources and sites covering all areas of research that is currently available over the Internet. The guide covers online research resources and tools for the Newbie to research as well as the Seasoned researcher. Contents include: a) Research Resources, b) Research Tools, c) Student Research Resources Toolkit, d) Knowledge Discovery/Management and Data Mining Resources, e) Knowledge Discovery/Retrieval and the World Wide Web Resources, and f) Subject Tracer™ Information Blogs.

The Survivor's Manual for The New Economy.
http://www.NewEconomyManual.com/
Marcus P. Zillman's latest LinkSeries Publication is a 239 page digital read that gives excellent resources and annotated sources for the new economy analytics, alerts, ecommerce, financial sources, invisible and deep web resources, social and business networking sources along with new economy competitive and business intelligence

resources and an extremely comprehensive listing of new economy online tools.op of

Form