

Awareness Watch™ Newsletter

By Marcus P. Zillman, M.S., A.M.H.A.

<http://www.AwarenessWatch.com/>

V23N1

January 2025

Welcome to the V23N1 January 2025 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 especially in today’s post COVID-19 New Economy, New Normal 2025 and Generative Artificial Intelligence 2025 world!!

Awareness Watch™ Featured Report

This month’s featured report covers **2025 Directory of Directories**. It is a listing of competent directories for 2025 including pathfinders, subject tracers directory resources and tools including the new 2025 economy generative AI and new normal internet directories, subject guides and index resources and sites for 2025. The below list is taken from my Directory of Directories 2025 and is constantly updated with my Subject Tracer™ bots at the following URL: <http://www.2025DirectoryOfDirectories.com/>. These resources and sources will help you to discover the many new and existing pathways available through the Internet to find the latest new and existing world wide web and Internet competent pathfinders and directory research 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 below resources and sources will be your new and existing pathfinders to all the new and existing current directory resources!



2025 Directory of Directories

By

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The 2025 Directory of Directories is a comprehensive listing of directory, subject guide and index resources and sites on the Internet. The below list of sources is taken partially from my Subject Tracer™ Information Blog titled Directory Resources and is constantly updated with Subject Tracer™ bots at the following URLs:

<http://www.2025DirectoryOfDirectories.com/>

These resources and sources will help you to discover the many pathways available through the Internet to find the latest directory resources and sites. As this site is constantly updated it would be to your benefit to bookmark and return to the above URL frequently.

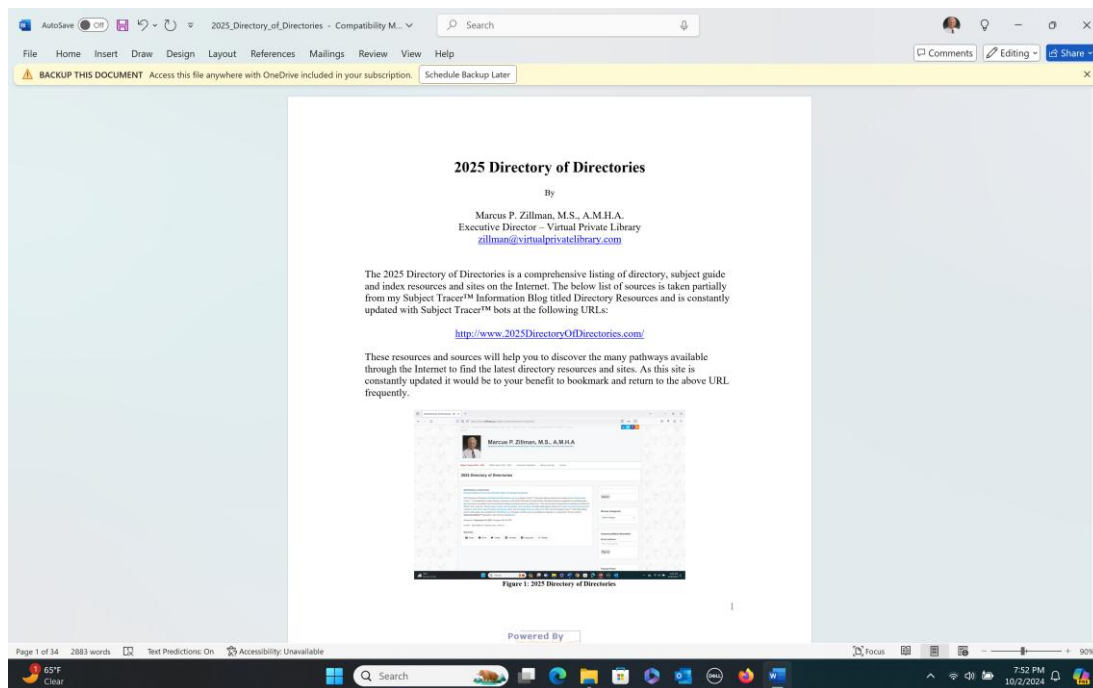


Figure 1: 2025 Directory of Directories



2025 SINGLE SUBJECT DIRECTORIES AND PORTALS INCLUDING:

Academic/Education
Economics/Business
Government and Statistics
Humanities
Information and Information Science
Law
Medicine
News
Science and Engineering
Social Sciences

MULTIPLE SUBJECT TREES AND MULTIPLE SUBJECT DIRECTORIES AND PORTALS

SINGLE SUBJECT DIRECTORIES AND PORTALS:

ACADEMIC/EDUCATION:

Academic and Scholar Search Engines and Sources 2024

<http://www.ScholarSearchEngines.com/>

Academic Info

<http://www.academicinfo.net/>

AI Topics

<http://aitopics.org/>

All Academic

<http://www.allacademic.com/>

Atlas Network - Global Directory of Partners and Think Tanks in 97 Countries

<https://www.atlasnetwork.org/partners/global-directory/>

Directory of Libraries Throughout the World

<http://librarytechnology.org/libraries/>

Directory of Online Learning Companies from Around the World - Searchable
<https://teachonline.ca/tools-trends/searchable-directory-vendors-online-learning-products-and-services>

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

Education Bug - Complete Listing of Educational Resources
<http://www.EducationBug.org/>

Education World
<http://www.educationworld.com/>

eNotes - Comprehensive Online Educational Resources by Experts
<http://www.enotes.com/>

LibGuides Community
<http://community.libguides.com/>

MERLOT - Multimedia Educational Resource for Learning and Online Teaching
<http://www.merlot.org/>

Minerazzi - Your Search-and-Mine
<http://www.minerazzi.com/>

MOOC List
<https://www.mooc-list.com/>

Open Access Directory (OAD)
http://oad.simmons.edu/oadwiki/Main_Page

Open Educational Resources (OER) Sources 2024
<http://www.OERSources.com/>

Wikipedia: List of Online Reference Desks
https://en.wikipedia.org/wiki/Wikipedia:List_of_online_reference_desks/General

Virtual Learning Resources Center
<http://www.virtuallrc.com/>

ECONOMICS AND BUSINESS:

192.com - Search for People, Businesses & Places in the UK

<https://www.192.com/>

2025 Reference Resources

<http://www.2025ReferenceResources.com/>

akama - Open Business Directory

<http://www.akama.com/>

Artificial Intelligence (AI) Discovery and Detection Tools 2025

<http://www.AIDiscoveryTools.com/>

BizDb - UK Business Directory

<http://www.bizdb.co.uk/>

BPubs.com - The Business Publications Search Engine

<http://www.bpubs.com/>

BRASS Business Guides

<https://brass.libguides.com/>

Business 2.0

<http://money.cnn.com/magazines/business2/>

Business.com

<http://www.business.com/>

Business Information on the Internet

<http://www.rba.co.uk/sources/>

Business Intelligence Resources 2022/2023/2024

<http://www.BIResources.info/>

CEO Express

<http://ceoexpress.com/>

ChatterBots Resources and Sites 2022/2023

<http://www.ChatterBots.info/>

Crowdfunding Resources 2025

<http://www.CrowdFundingResources.info/>

CrunchBase - Free technology Company Database

<http://www.crunchbase.com/>

Design Directory - An International Design Links Database

<http://www.dexigner.com/directory/>

Destination Meta-Guide.com 3.0

<http://meta-guide.com/>

Directory of Corporate Archives in the United States and Canada

<https://www2.archivists.org/groups/business-archives-section/directory-of-corporate-archives-in-the-united-states-and-canada-introduction>

Entrepreneurial Resources 2022/2023/2024

<http://EntrepreneurialResources.info/>

Financial Sources

<http://www.FinancialSources.info/>

Foundation Directory Online (FDO)

<https://fconline.foundationcenter.org/>

Free Software Directory

http://directory.fsf.org/wiki/Main_Page

Generative AI Resources 2024

<http://www.GenerativeAIResources.com/>

Green Book - The Guide for Buyers of Marketing Research

<http://www.greenbook.org/>

Green Files 2025

<http://www.GreenFiles.info/>

Hoover's Online - The Business Network

<http://www.hoovers.com/>

HR Internet Guide

<http://www.hr-guide.com/>

Inomics® - The Internet Site for Economists

<http://www.inomics.com/>

Insider Pages - Recommendations

<http://www.insiderpages.com/>

International Business Resources on the World Wide Web

<http://globaledge.msu.edu/reference-desk/>

IQS Directory - Industrial and Manufacturer Directory

<http://www.iqsdirectory.com/>

KnowThis.com - Marketing Virtual Library

<http://www.KnowThis.com/>

Marketing Resource Directory from the American Marketing Association

<http://marketingresourcedirectory.ama.org/>

MaRS Startup Toolkit

<https://learn.marsdd.com/>

New Economy Resources 2025

<http://www.NewEconomyResources.com/>

Nichelisting - Human-Reviewed, Niche Website Directories

<https://www.nichelistings.org/>

Open DataSets 2025

<http://www.OpenDataSets.info/>

Open Educational Resources (OER) Sources 2025

<http://www.OERSources.com/>

Open Source Artificial Intelligence Agents (OSAIA) MiniGuide 2025

<http://www.OSAIAminiguide.com/>

Open Source Intelligence (OSINT) Resources MiniGuide 2024

<http://www.OSINTminiguide.com/>

Prompt Catalog 2024 for Artificial Intelligence (AI)

<http://www.PromptCatalog.ai/>

QualityTrade.com - Compare Ratings and Trade With the Best Manufacturers and Suppliers in the World

<https://www.qualitytrade.com/>



References.net - Web's Largest Resources for Reference Resources

<http://www.references.net/>

Search Systems Free Public Records Directory

<http://publicrecords.searchsystems.net/>

SoftLookup.com - Free Business to Business Software Download Directory

<http://www.softlookup.com/>

Source Guides Renewable Energy Directory

<http://www.sourceguides.com/>

Super Searchers Do Business: Business URLs

<http://www.infoday.com/supersearchers/ssdb.htm>

The Freelance Stack – Best Freelance Tools

<https://www.hellobonsai.com/best-freelance-tools>

Wikitravel

http://wikitravel.org/en/Main_Page

GOVERNMENT AND STATISTICS:

Cabinet Members and World Leaders of Foreign Government

<https://www.cia.gov/resources/world-leaders/>

Congressional Directory

<https://www.congress.gov/members>

Congress.gov/

<http://www.Congress.gov/>

Data: Government, State, City, Local and Public

<https://www.kdnuggets.com/datasets/government-local-public.html>

Directory of United Nations System Organizations

<http://www.unsceb.org/directory>

Discover U.S. Government Information

<https://www.govinfo.gov>

European Governments On-Line

<http://www.europarl.europa.eu/portal/en>

Federal Government and Statistical Agencies

<https://nces.ed.gov/partners/fedstat.asp>

FirstGov

<http://www.usa.gov/>

Florida Electronic Federal Depository Library

<http://www.uflib.ufl.edu/fehdl/>

GovEngine.com – US Government Directory

<http://www.GovEngine.com/>

Governments on the WWW

<http://www.gksoft.com/govt/en/>

GovInfo – Discover U.S. Government Information

<http://www.GovInfo.gov/>

Guide to the Global Economy

<http://www.theglobaleconomy.com/>

Leadership Directories - Leadership Connect

<http://www.leadershipdirectories.com/>

Library of Congress

<http://loc.gov/>

National Association of Counties (NACo)

<http://www.naco.org/>

National Association of Secretaries of State (NASS)

<http://www.nass.org/>

Net Data Directory

<https://netdatadirectory.org/>

New Economy, Resources, Tools and Alerts 2025

<http://2025NewEconomy.com/>

State and Local Government on the Net Directory

<http://www.statelocalgov.net/index.cfm>

Statistics Resources and Big Data 2022/2023/2024

<http://www.StatisticsResources.info/>

The United States Government Manual

<http://www.gpo.gov/fdsys/browse/collection.action?collectionCode=GOVMAN>

University of Michigan Clark Library Government Information Collection

<http://www.lib.umich.edu/clark-library/collections/government-information>

United States House of Representatives

<http://www.house.gov/>

United States Senate

<http://www.senate.gov/>

HUMANITIES:

EDSITEment - The Best of the Humanities On the Web

<http://edsitement.neh.gov/>

VoS - Voice of the Shuttle

<http://vos.ucsb.edu/>

INFORMATION AND INFORMATION SCIENCE:

2025/2024 Publications by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.ZillmanPublications.com/>

Awareness Watch Newsletter and Archives

<http://www.AwarenessWatch.com/>

Daily Rotation

<http://www.dailyrotation.com/>

Directory of Libraries Throughout the World

<http://librarytechnology.org/libraries/>

Directory of Open Access Books (DOAB)

<http://www.doabooks.org/>

DLIST - Digital Library of Information Science and Technology

<http://arizona.openrepository.com/arizona/handle/10150/105067>

E-Books Directory

<http://www.e-booksdirectory.com/>

Free Private Label Rights Article Directory - 100,000s of Total Free PLR Articles

<http://plrplr.com/>

Free Software Foundation (FSF)

<http://www.fsf.org/>

InfoLibrarian

<http://www.infolibrarian.com/>

Information Retrieval (IR) and Information Extraction (IE)

<http://www.webir.org/>

Information Science Today

<http://www.infosciencetoday.org/>

IT Facts

<http://itfacts.biz/>

ITTutorials Information Technology

<https://ittutorials.net/>

LibGuides Community

<http://community.libguides.com/>

LibWeb – Library Servers via WWW

<http://www.lib-web.org/>

List of Wikipedias

https://meta.wikimedia.org/wiki/List_of_Wikipedias

OCLC Research Publications Repository

<http://www.oclc.org/research/publications.html>

OpenDOAR - Directory of Open Access Repositories

<http://www.opendoar.org/>

Search Engine Colossus: International Directory of Search Engines

<http://www.searchenginecolossus.com/>

Social Media Directory - Department of Homeland Security

<http://www.dhs.gov/social-media-directory>

Springo - Web Categorization

<http://www.springo.com/>

Web Developers's Handbook 2.0

<http://www.alvit.de/handbook/>

Wikipedia: List of Online Reference Desks

https://en.wikipedia.org/wiki/Wikipedia:List_of_online_reference_desks/General

Zillman Blog - Information Research (30,000+ Postings)

<http://www.zillman.org/>

Zillman Columns

<http://www.ZillmanColumns.com/>

LAW:

beSpacific

<http://www.bespacific.com/>

FindLaw

<http://www.FindLaw.com/>

Internet Legal Research Group

<http://www.ilrg.com/>

Law of the Super Searchers - Law URLs

<http://www.infotoday.com/supersearchers/loss.htm>

Legal, Factual and Other Internet Sites for Attorneys and Legal Professionals

<http://www.bespacific.com/legal-factual-and-other-internet-sites-for-attorneys-and-legal-professionals/>

Legal Information Institute

<http://www.law.cornell.edu/>

LLRX - Legal and Technology Articles and Resources for Librarians, Lawyers and Law Firms

<http://www.llrx.com/>

Pin Hawk Librarian

<https://www.PinHawk.com/>

Public Records Online Directory

<http://publicrecords.netronline.com/>

The Guide to Law Online

<http://www.loc.gov/law/help/guide.php>

MEDICINE:

Gray, Henry. 1918. Anatomy of the Human Body

<http://www.bartleby.com/107/>

Healio

<https://www.healio.com/>

Healthcare Online Resources 2022/2023

<http://www.HealthcareResources.info/>

Martindale's Reference Center

<http://www.martindalecenter.com/>

MedlinePlus

<http://www.nlm.nih.gov/medlineplus/>

National Cancer Institute Research Resources

<http://resresources.nci.nih.gov/>

NLM Catalog

<http://www.ncbi.nlm.nih.gov/nlmcatalog>

Psych Web

<http://www.psywww.com/>

Super Searchers on Health and Medicine: Health URLs

<http://www.infotoday.com/supersearchers/ssmed.htm>

The Merck Manual of Medical Information - Home Edition

<http://www.merckmanuals.com/home/index.html>

NEWS:

Google News

<https://news.google.com/news>

Lists of Global Newspapers – Wikipedia

https://en.wikipedia.org/wiki/Lists_of_newspapers#North_America

Online Newspapers

<https://www.onlinenewspapers.com/index.shtml>

Super Searchers in the News - News URLs

<http://www.infotoday.com/supersearchers/ssnews.htm>

World Newspapers and Magazines

<https://www.world-newspapers.com/>

SCIENCE AND ENGINEERING:

Agriculture Network Information Center

<http://www.agnic.org/>

Agriculture Resources 2022/2023

<http://www.AgricultureResources.info/>

Artificial Intelligence Resources 2022/2023/2024/2025

<http://www.AIResources.info/>

Astronomy Resources 2022/2023

<http://www.AstronomyResources.info/>

Avibase – The World Bird Database

<http://avibase.bsc-eoc.org/avibase.jsp>

Best Environmental Resources Directories

<http://www.ulb.ac.be/ceese/meta/cds.html>

Biological Informatics 2022/2023

<http://www.BiologicalInformatics.info/>

Engineering Information

<http://www.ei.org/>

Eric Weisstein's World of Mathematics

<http://mathworld.wolfram.com/>

EurekAlerts - Science News

<http://www.eurekalert.org/>

National Science Digital Library (NSDL) Collections

<https://nsdl.oercommons.org/>

Open Science Directory

<http://www.opensciencedirectory.net/>

PrimateLit Database - Primatology

<http://primatelit.library.wisc.edu/>

RocketAware - Programmer's Webliography and Index

<http://www.rocketaware.com/>

Science.gov: FirstGov for Science - Government Science Portal

<http://www.science.gov/>

Science Tracer Bullets Online

<http://www.loc.gov/rr/scitech/tracer-bullets/tbs.html>

SOCIAL SCIENCES:

Academic Info - Social Sciences Gateway

<http://www.academicinfo.net/subsoc.html>

American Psychological Association

<http://www.apa.org/>

Internet Crossroads in Social Science Data

<http://www.disc.wisc.edu/newcrossroads/index.asp>

JISC Resource Guide - Social Science

<http://www.jisc.ac.uk/>

KobreGuide - Guide to the Web's Best Multimedia and Video Journalism

<http://www.kobreguide.com/>

Social Media Directory - Department of Homeland Security

<http://www.dhs.gov/social-media-directory>

Travel Notes -- The Online Guide to Travel

<http://www.travelnotes.org/>

MULTIPLE SUBJECT TREES AND MULTIPLE SUBJECT DIRECTORIES AND PORTALS:

01webdirectory.com - Best of Web Directory

<http://01webdirectory.com/>

4Anything Network

<http://www.4anything.com/>

A1 Web Directory

<http://www.a1webdirectory.org/>

A-Z Subject Resources on British Library Net

<http://www.bl.uk/>

Academic Info

<http://www.academicinfo.net/>

Argus Clearinghouse – Civil Rights Litigation Clearinghouse

<http://www.clearinghouse.net/>

Awesome Project

<https://awesome.re/>

Baker Library Harvard Business School Site Map

<http://www.library.hbs.edu/sitemap.html>

Beaucoup

<http://www.beaucoup.com/>

Best of the Web Directory

<http://botw.org/>

Britannica

<http://www.britannica.com/>

British Academy PORTAL

<http://www.britac.ac.uk/>

Business Reference & Services Section (BRASS) Business Guides

<http://brass.libguides.com/>

Cannylink Link Directory

<http://www.cannylink.com/>

CMC Info - Computer Mediated Communication Information Sources

<http://www.december.com/cmc/info/>

ContestGirl - Directory of Quality on-line Sweepstakes and Contests

<http://www.contestgirl.com/>

Deep Web Research and Discovery Index 2025

<http://www.DeepWebResearch.info/>

Directory of Directories 2025

<http://www.2025DirectoryOfDirectories.com/>

Garriga's Australian Beyond ...The BlackStump

<http://www.blackstump.com.au/>

Generative AI Resources 2024

<http://www.GenerativeAIResources.com/>

GOLDEN - The Intelligent, Open Knowledge Base

<https://golden.com/>

Ibiblio Collection Index – The Public's Library and Digital Archive

<http://www.ibiblio.org/catalog/>

IFLA Electronic Collections

<http://archive.ifla.org/II/>

Internet Library for Librarians

<http://www.itcompany.com/inforetriever/>

JISC Resource Guides

<http://www.jisc.ac.uk/>

JoeAnt.com - Search Engine - Directory

<http://www.joeant.com/>

Libguides Community

<https://community.libguides.com/>

LibGuides – Create Research Guides, Share Knowledge

<http://springshare.com/libguides/>

LinksGiving

<http://www.linksgiving.com/>

List of Wikipedias

https://meta.wikimedia.org/wiki/List_of_Wikipedias

Martindale's Reference Center

<http://www.martindalecenter.com/>

MegaSources

<http://www.pathcom.com/~dtudor/megasources.htm>

Moving Image Gateway

<http://www.bufvc.ac.uk/gateway/>

Nichelisting – Human-Reviewed, Niche Website Directories

<https://www.nichelisting.org/>

OpenIndex - Creating a Public Internet Index

<http://www.openindex.org/>

Open MetaVerse Resources 2025

<http://www.OpenMetaVerse.us/>

Re:QUEST dot Net™ - Online Library of Internet and Reference Resources
<http://www.re-quest.net/>

Research Guides -- George Washington University
<http://libguides.gwu.edu/>

Subject Directories: TABLE of Features
<http://www.lib.berkeley.edu/TeachingLib/Guides/Internet/SubjDirectories.html>

Subject Tracers™ 2022/2023/2024/2025 Information Blogs from the Virtual Private Library
<http://www.SubjectTracers.com/>

Subject Tree - Glasgow University Library
<http://eleanor.lib.gla.ac.uk/search~S0/y>

TenLinks.com - Ultimate Directories for Technology Professionals
<http://www.tenlinks.com/>

TheFreeLibrary - News, Magazines, Newspapers, Journals, Reference Articles and Classic Books
<http://www.thefreelibrary.com/>

TheFreeSite.com
<http://www.thefreesite.com/>

The SuperSearchers Web Page
<http://www.infoday.com/supersearchers/>

The WWW Virtual Library
<http://vlib.org/>

UCB & Internet Resources
<http://www.lib.berkeley.edu/find/index.html>

Virtual Private Library Subject Tracers
<http://www.VirtualPrivateLibrary.org/>

WebBrain
<http://www.thebrain.com/>

Wikipedia
<http://www.wikipedia.com/>



WWW Virtual Library

<http://www.vlib.org/>

Yahoo!

<http://www.yahoo.com/>

Zeef – Curated Directory for Development and Tech Resources

<https://zeef.com/>

Awarenesswatch™ Spotters

Online Research Browsers and Data Visualization Tools 2025

<https://www.zillman.us/white-papers/online-research-browsers/>

Internet MiniGuide Annotated Link Dataset Compilation white paper recently released and titled “Online Research Browsers and Data Visualization Tools 2025” a 27-page research paper listing many resources both new and existing that will help anyone who is attempting to find information and knowledge research about online research browsers and data visualization tools available on the Internet. These research browsers and data visualization tools allow you to visualize information to find new relationships and associations to create knowledge discovery and obtain new and highly relevant research data. It is freely available as a PDF file (428KB) at the above link from the Virtual Private Library™ and authored by [Marcus P. Zillman, M.S., A.M.H.A.](#) It was updated with all links validated on **December 2, 2024**. Other white papers are available by clicking [here](#).

Academic and Scholar Search Engines and Sources 2025 – December 2024 Edition

<http://www.ScholarSearchEngines.com/>

[Click to access Scholar.pdf](#)

Internet Annotated Link Dataset Compilation titled “Academic and Scholar Search Engines and Sources 2025” is now an 91-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 (906KB) at the above link from the [Virtual Private Library™](#) and authored by [Marcus P. Zillman, M.S., A.M.H.A.](#) [Completely recreated with all links validated and new URLs added: **December 3, 2024**. Other white papers are available by clicking [here](#).

Open Source Artificial Intelligence Agents (OSAIA) MiniGuide 2025

<http://whitepapers.virtualprivatelibrary.net/OSAIAminiguide.pdf>

<http://www.OSAIAminiguide.com/>

Open Source Artificial Intelligence Agents (OSAIA) MiniGuide is a 18-page freely available link compilation for a selected group of competent open source artificial intelligence agents resources that are available over the Internet. These resources are designed to be your AI Agent Library and to give you the latest and greatest AI agent resources available on the Internet. This has been created by Internet guru and expert [Marcus P. Zillman](#) who is the Executive Director of the [Virtual Private Library](#) and **designed specifically for use on iPads, iPhone, Androids, Smart Phones, and Netbooks/Chromebooks/Laptops**. Updates to this are powered by [Subject Tracer™](#) Information Bots (STIB). This has been added to the tools section of [Research Resources](#) Subject Tracer™ Information Blog. Visit all my [Subject Tracers](#) Also visit all my 2025/2024 [Zillman Publications](#). [Updated: **December 4, 2024**; 19 pages; 371KB PDF]

Deep Web Research and Discovery Resources 2025 – December 2024 Edition

<http://www.DeepWeb.us/>

I have just updated my white paper link dataset compilation and now titled **Deep Web Research and Discovery Resources 2025** and it is now a 113-page PDF document (1.45MB) freely available directly from the above URL. This update verified all links as well as reviewed all resources covered including adding additional links. Currently, this has been downloaded over 12,000,000+ times! [Updated on **December 5, 2024**]

Artificial Intelligence (AI) Discovery and Detection Tools 2025

http://whitepapers.virtualprivatelibrary.net/AI_Discovery_Tools.pdf

<http://www.AIDiscoveryTools.com/>

Artificial Intelligence (AI) Discovery and Detection Tools 2025 is now a 45-page freely available link compilation for a selected group of competent artificial intelligence discovery and detection resources that are available over the Internet. These resources are designed to be your AI Discovery Library and to give you the latest and greatest AI discovery resources available on the Internet allowing you you determine if content you receive is generated by artificial intelligence. This has been created by Internet guru and expert [Marcus P. Zillman](#) who is the Executive Director of the [Virtual Private Library](#) and **designed specifically for use on iPads, iPhone, Androids, Smart Phones, and Netbooks/Chromebooks/Laptops**. Also included is your complete Artificial Intelligence Miniguide on the go and great for remote education and business needs! Updates to this are powered by [Subject Tracer™](#) Information Bots (STIB). This has been added to the tools section of [Research Resources](#) Subject Tracer™ Information Blog. Visit all my [Subject Tracers](#) Also visit all my 2025/2024 [Zillman Publications](#). [Released: **May 14, 2024** and Updated on **December 6, 2024**; 45 pages; 720KB PDF]



Open Educational Resources (OER) Sources 2025 – December 2024 Edition

<http://www.OERSources.com/>

[Click to access OERSources.pdf](#)

“Open Educational Resources (OER) Sources 2025 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 pursuing 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 2025, 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](#) Subject Tracer™. Completely updated including all links validated on **December 7, 2024**. [78 pages; 1.07 MB PDF]

January 2025 Zillman Column: 2025 Link Guide to Prediction Markets

http://columns.virtualprivatelibrary.net/2025_Link_Guide_to_Prediction_Markets_Jan25_column.pdf

<http://www.ZillmanColumns.com/>

The January 2025 Zillman Column featuring **2025 Link Guide to Prediction Markets** by Marcus P. Zillman, M.S., A.M.H.A.; Executive Director of the Virtual Private Library. This is a comprehensive listing of niched internet web prediction markets resources, sites, and tools on the Internet and available in the new “zoom” education/learning/business/social age. These competent Internet prediction markets resources as well as open metaverse, ChatGPT and Generative AI resources and tools will be your search engine for your Internet prediction markets research. The below list of sources is partially taken from my Prediction Markets 2025 and is constantly updated with Subject Tracer™ bots at the following URL: <http://www.PredictionMarkets.com/>. These tools, resources, and sources will help you to discover the many pathways available to you through the Internet to find the latest Internet prediction resources and open metaverse, chatgpt and generative ai research resources, sources, and sites for the new prediction normal. This is another MUST have column to discover the latest 2025 competent and niched online new and existing prediction research resources and tools to give you the information you need in today’s ever-changing and fast-paced [2025 New Economy](#) business and academic research world and the [New Normal 2025](#)

Updated> 2024/2025 Publications by Marcus P. Zillman, M.S., A.M.H.A.

https://whitepapers.virtualprivatelibrary.net/zillman_publications_2024_2025.pdf

I am extremely pleased to announce the December 2024 update of my **2024/2025 Publications** including my miniguides on a large range of exciting subjects and also additional many new 2024/2025 just released publications. These are all freely available

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Awareness Watch V23N1 January 2025 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

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as PDF files and very easy to download. This has been created by Internet guru and expert [Marcus P. Zillman](#) who is the Executive Director of the [Virtual Private Library](#) and **designed specifically for use on iPads, iPhone, Androids, Smart Phones, Netbooks/Chromebooks/Laptops and Desk Tops.** Your complete library on the go and great for zoom learning and remote education, social and business needs all over the world! Updates to this are powered by [Subject Tracer™](#) Information Bots (STIB).

New Normal Startup Resources 2025 – December 2024 Edition

<http://www.NewNormalStartUpResources.com/>

http://whitepapers.VirtualPrivateLibrary.net/New_Normal_Startup_Resources.pdf

The white paper link dataset compilation of the New Normal Startup Resources 2025 Subject Tracer™ Information Resource by Marcus P. Zillman, M.S., A.M.H.A. has just been updated on December 10, 2024 and is now a freely available 56-page PDF document (836KB) listing the latest and greatest online resources and sites for new normal startup resources! Other white papers are available by clicking [here](#). This is a MUST publication for every business in today's post COVID-19 world and more!

Current Awareness Tools 2025

http://whitepapers.virtualprivatelibrary.net/current_awareness_tools_2025.pdf

Research white paper titled “**Current Awareness Tools 2025**” is a 19-page research paper listing many resources both new and existing that will help anyone who is attempting to find information and knowledge research about current awareness tools available on the Internet. It is freely available as a PDF file (274KB) at the above link from the Virtual Private Library™ and authored by [Marcus P. Zillman, M.S., A.M.H.A.](#) It was recreated on **December 11, 2024**. Other white papers are available by clicking [here](#). Direct URL Bookmark: <http://www.CurrentAwarenessTools.com/>

Elder Resources 2025

<http://www.ElderResources.info/>

The above is the white paper link dataset compilation of [Elder Resources 2024](#) by [Marcus P. Zillman, M.S., A.M.H.A.](#) It is a 21-page PDF document (646KB). [Completely updated with all links validated and new URLs added on **December 12, 2024**] Other white papers are available by clicking [here](#).

Astronomy Resources 2025

<https://www.zillman.us/subject-tracers/astronomy-resources/>

<http://www.AstronomyResources.info/>

The above is the associated white paper link dataset compilation of the Astronomy Resources 2025 Subject Tracer™ Information Blog by [Marcus P. Zillman, M.S., A.M.H.A.](#) It is now a 29-page PDF document (505KB). [Completely updated with all links validated and new links added on **December 13, 2024**] Other white papers are available by clicking [here](#).

Student Research Resources 2025

[[Download Student Research Resources 2025 White Paper Link Dataset Compilation](#)]

Student Research Resources 2025 ([StudentResearch.info](#)) is a Subject Tracer™ Information Blog developed and created by the [Virtual Private Library™](#). It is designed to monitor student research resources on the World Wide Web and listed below. We always welcome suggestions of additional sites and resources to be added to this comprehensive listing and please submit by clicking [here](#). This site has been developed and maintained by Marcus P. Zillman, M.S., A.M.H.A.; Internet [expert](#), [author](#), [keynote speaker](#), and [consultant](#). His latest white papers include [2025 Guide to Searching the Internet](#), [Academic and Scholar Search Engines and Sources 2025](#), and [Knowledge Discovery Resources 2025](#). All of his Subject Tracer™ Information Blogs and his white papers are available from [WhitePapers.us](#). His latest monthly column is available by clicking [here](#). Subscribe to his free monthly **Awareness Watch™** Newsletter. Learn more by clicking [here](#). Completely recreated and updated on **December 14, 2024**; 42 pages; 667KB PDF. (c) 2007 – 2024 Marcus P. Zillman, M.S., A.M.H.A.

Finding People Resources and Sites 2025

<http://whitepapers.virtualprivatelibrary.net/2025FindingPeople.pdf>

Finding People Resources and Sites 2025 has just been updated and is now a 24-page freely available link compilation for a selected group of competent finding people resources that are available over the Internet. These resources are designed to be your Finding People Library and to give you the latest and greatest finding people resources available on the Internet. This has been created by Internet guru and expert [Marcus P. Zillman](#) who is the Executive Director of the [Virtual Private Library](#) and **designed specifically for use on iPads, iPhone, Androids, Smart Phones, and Netbooks/Chromebooks/Laptops**. Your complete finding people library on the go and great for remote education and business needs! Updates to this are powered by [Subject Tracer™](#) Information Bots (STIB). This has been added to the tools section of [Research Resources](#) Subject Tracer™ Information Blog. Visit all my [Subject Tracers](#). [Updated on **December 16, 2024**; 24 pages; 468KB PDF]

Green Files 2025

<http://www.GreenFiles.info/>

The above white paper link dataset compilation of the [Green Files 2025](#) Subject Tracer™ Information Blog by [Marcus P. Zillman, M.S., A.M.H.A.](#) is a freely available 20-page PDF document (440KB) listing the latest and greatest online resources and sites for the environment and all things green! Updated on **December 17, 2024**. Other white papers are available by clicking [here](#). All of my freely available 2024/2025 publications are available by clicking [here](#).



Employment Resources 2025

<http://www.EmploymentResources.info/>

I have just updated my white paper link dataset compilation titled **Employment Resources 2025** and is now a 27-page PDF document (530KB) freely available from the above URL. Other white papers are available by clicking [here](#). [Completely updated including all links validated and new links added on **December 19, 2024**]

Awarenesswatch™ Paper Review

Examining Bias Perpetuation in Academic Search Engines: An Algorithm Audit of Google and Semantic Scholar by *Celina Kacperski, Mona Bielig, Mykola Makhortykh, Maryna Sydorova and Roberto Ulloa*

<https://firstmonday.org/ojs/index.php/fm/article/view/13730/11709>

Abstract

Researchers rely on academic Web search engines to find scientific sources, but search engine mechanisms may selectively present content that aligns with biases embedded in queries. This study examines whether confirmation biased queries prompted into Google Scholar and Semantic Scholar will yield results aligned with a query's bias. Six queries (topics across health and technology domains such as 'vaccines', 'Internet use') were analyzed for disparities in search results. We confirm that biased queries (targeting 'benefits' or 'risks') affect search results in line with bias, with technology-related queries displaying more significant disparities. Overall, Semantic Scholar exhibited fewer disparities than Google Scholar. Topics rated as more polarizing did not consistently show more disparate results. Academic search results that perpetuate confirmation bias have strong implications for both researchers and citizens searching for evidence. More research is needed to explore how scientific inquiry and academic search engines interact.

Subject Tracer™ Information Blogs

Accessibility Resources

<http://www.AccessibilityResources.info/>

Agriculture Resources

<http://www.AgricultureResources.info/>

AnswerSpot

<http://www.AnswerSpot.co/>



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.com/>

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.FactCheckers.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/>

Predictions Markets

<http://www.PredictionMarkets.com/>

Privacy Resources

<http://www.PrivacyResources.info/>

Reference Resources

<http://www.ReferenceResources.info/>

Research Resources

<http://www.ResearchResources.info/>

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 Resources

<http://www.StudentResearch.info/>

Theology Resources

<http://www.TheologyResources.info/>

Tutorial Resources

<http://www.TutorialResources.info/>

World Wide Web Reference

<http://www.WWWReference.info/>

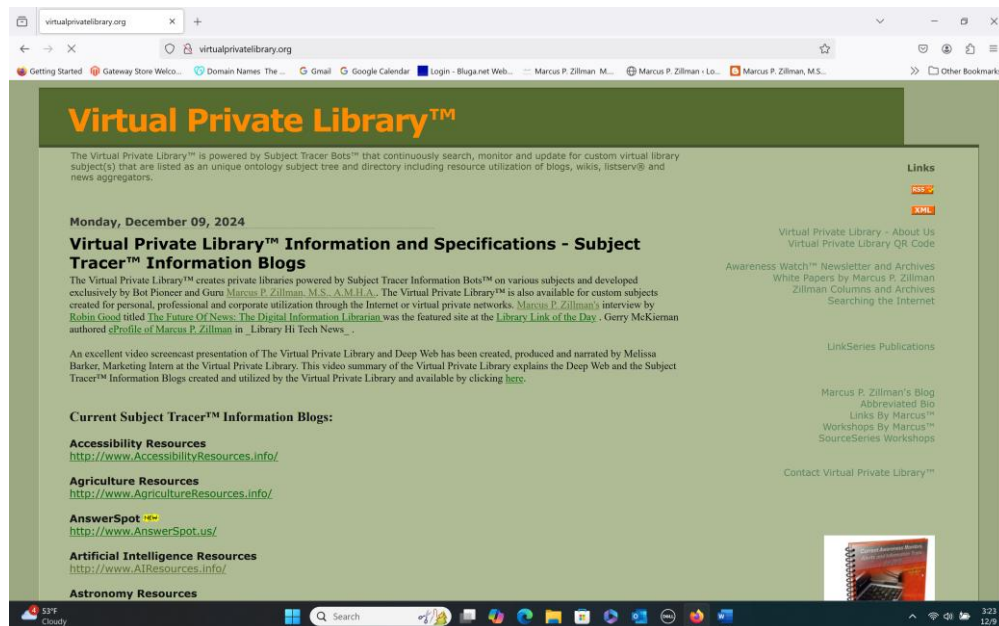


Figure 2: Virtual Private Library™



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 (30,000+ Postings)

<http://www.zillman.us/>

Marcus P. Zillman Abbreviated Bio

<http://www.zillman.info/>

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.:

2022/2023 Guide to Finding Experts by Using the Internet

<http://www.FindingExperts.info/>

2022/2023 Guide to Finding People Resources and Sites

<http://www.FindingPeople.info/>

2022/2023 Guide to Internet Privacy Resources and Tools

<http://www.StealthMode.info/>

2024/2025 Publications by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.ZillmanPublications.com/>

2025 Directory of Directories

<http://www.2025DirectoryOfDirectories.com/>

2025 Green Files

<http://www.GreenFiles.info/>

2025 Guide to Searching the Internet

<http://www.SearchingTheInternet.info/>

<http://www.2025SearchingTheInternet.com/>

2025 New Economy Resources

<http://www.2025NewEconomy.com/>

2025 Reference Resources

<http://www.2025ReferenceResources.com/>

Academic and Scholar Search Engines and Sources 2025

<http://www.ScholarSearchEngines.com/>

Artificial Intelligence (AI) Discovery and Detection Tools 2025

<http://www.AIDiscoveryTools.net>

Bots, Blogs and News Aggregators 2025

<http://www.BotsBlogs.com/>

Business Intelligence Online Resources 2022/2023/2024

<http://www.BIOOnlineResources.com/>

Cloud Computing Resources Primer 2025

<http://www.zillman.us/white-papers/grid-distributed-and-cloud-computing-resources-primer/>

Current Awareness Tools 2025

<http://www.CurrentAwarenessTools.com/>

Deep Web Research and Discovery Resources 2025 Online White Paper

<http://DeepWeb.us/>

eMarketing MiniGuide 2025

<http://www.eMarketingMiniGuide.com/>

eReference Library Link Toolkit 2022/2023

<http://www.eReferenceLibrary.com/>

Fact Check Resources Miniguide 2025

<http://www.FactCheckMiniguide.com/>

Finding Experts By Using the Internet 2022/2023

<http://www.FindingExperts.info/>

Finding People Resources and Sites 2025

<http://www.FindingPeople.info/>

Generative AI Resources 2024

<http://www.GenerativeAIResources.com/>

Healthcare Bots and Subject Directories 2024

<http://www.HealthcareBots.info/>

Knowledge Discovery Resources 2025

<http://www.KDResources.info/>

New Economy Resources 2025

<http://www.NewEconomyResources.com/>

New Normal StartUp Resources 2025

<http://www.NewNormalStartUpResources.com/>

Online Research Browsers and Data Visualization Tools 2025

<http://www.zillman.us/white-papers/online-research-browsers/>



Online Research Tools 2022/2023/2024

<http://www.OnlineResearchTools.info/>

Online Social Networking 2022/2023

<http://www.OnlineSocialNetworking.info/>

Open DataSets 2025

<http://www.OpenDataSets.info>

Open Educational Resources (OER) Sources 2025

<http://www.OERSources.com/>

Open MetaVerse Resources 2025

<http://www.OpenMetaVerse.us/>

Open Source Artificial Intelligence Agents (OSAIA) MiniGuide 2025

<http://www.OSAIAminiguide.com/>

Open Source Intelligence (OSINT) Miniguide 2024

<http://www.OSINTminiguide.com>

Prompt Catalog 2024 for Artificial Intelligence (AI)

<http://www.PromptCatalog.ai/>

Searching the Internet 2025

<http://www.SearchingTheInternet.info/>

Social Informatics 2022/2023/2024

<http://www.SocialInformatics.net/>

Subject Tracers 2022/2023/2024/2025

<http://www.SubjectTracers.com/>

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery 2025

<http://www.zillman.us/white-papers/using-the-internet-as-a-dynamic-resource-tool-for-knowledge-discovery/>

Web Data Extractors 2025

<http://www.WebDataExtractors.com/>

Web Guide for the New Economy 2025

<http://www.WebGuideNewEconomy.com/>

White Papers 2022/2023/2024/2025 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/>

Marcus P. Zillman's latest report Current Awareness Monitors, Alerts and Information Traps for is available for purchase online and for immediate download. This report is a comprehensive listing 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, f) Business Intelligence Resources, g) Reference Resources, and h) 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.