Awareness WatchTM Newsletter

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V17N11 November 2019

Welcome to the V17N11 November 2019 issue of the **Awareness WatchTM Newsletter**. This newsletter is available as a complimentary subscription and will be issued monthly. Each newsletter will feature the following:

Awareness WatchTM Featured Report Awareness WatchTM Spotters Awareness WatchTM Book/Paper/Article Review Subject TracerTM 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 WatchTM. 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 WatchTM Featured Report

This month's feature covers the following report: **2020 Open Educational Resources (OER) Sources and Tools**. This is a very competent and comprehensive listing of 2020 Open Educational Resources (OER) Sources and Tools including search engines, directories, subject guides, tracers and index resources and sites available on the Internet and available for the 2020 year. The below URL is taken partially from my Open Educational Resources (OER) Sources and is constantly updated with my Subject TracerTM bots at the following URL:

http://www.OERSources.com/

Since these sites are constantly updated it would be to your benefit to bookmark and return to the above URL frequently. The true and most modern way to search the Internet and social media for desirable 2020 Open Educational Resources (OER) 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 New Economy Resources for staying current in your rofession and special interest as well as navigating and searching the Internet for the latest new economy information resources and tools.



2020 Open Educational Resources (OER) Sources and Tools:

\$1 Billion in Savings Through Open Educational Resources

https://sparcopen.org/news/2018/1-billion-in-savings-through-open-educational-resources/

10 OER Sites Every Educator Should Know

https://campustechnology.com/articles/2014/07/02/16-oer-sites-every-educator-should-know.aspx

19 Places to Find the Best OERs

https://www.iste.org/explore/articleDetail?articleid=538

2nd World OER Congress

http://www.oercongress.org/

80 Open Education Resource (OER) Tools for Publishing and Development Initiatives

http://oedb.org/ilibrarian/80-oer-tools/

100 Places to Find Free Webinars and Tutorials

http://www.collegeathome.com/blog/2008/06/17/learn-anything-100-places-to-find-free-webinars-and-tutorials/

190 Universities Just Launched 600 Free Online Courses (Class Central 875 Universities Listing)

https://bit.ly/2JkEvpV

250 Ivy League Courses Online Now For Free

https://medium.freecodecamp.org/ivy-league-free-online-courses-a0d7ae675869

300 Free Ivy League University Courses You Can Take Online Right Now

https://qz.com/1263050/here-are-300-free-ivy-league-university-courses-you-can-take-online-right-now/

400 Free Ivy League University Courses You Can Take Online in 2019 by Dhawal Shah

https://qz.com/1514408/400-free-ivy-league-university-courses-you-can-take-online-in-2019/

400 Free Online Courses with Credits That Can Count Towards Your Degree

https://qz.com/1351501/tk-free-online-courses-with-credits-that-count-towards-your-degree/



1000+ Open Textbooks and Learning Resources for All Subjects

http://smart.study/blog/1000-open-textbooks-and-learning-resources-for-all-subjects/

1,300 Free Online Courses from Top Universities

http://www.openculture.com/freeonlinecourses

2017 Top Ten Books on Online Learning

https://teachonline.ca/tools-trends/2017-top-ten-books-on-online-Learning

2019 Directory of Directories

http://www.2019DirectoryOfDirectories.com/

2020 New Economy Resources

http://www.2020NewEconomy.com/

2019 Textbook Affordability Survey Report

https://www.libraryjournal.com/?detailStory=research

aero - Learning, Designed

https://www.smartsparrow.com/aero/

A Guide to Free and Open Source Education

https://opensource.com/education/13/4/guide-open-source-education

A Guide to Making Open Textbooks With Students

https://press.rebus.community/makingopentextbookswithstudents/

A Landscape Study On Open Access and Monographs – Policies, Funding and Publishing In Eight European Countries

http://repository.jisc.ac.uk/6693/1/Landscape_study_on_OA_and_Monographs_Oct_2017_KE.pdf

Alison - A New World of Free Certified Learning

http://alison.com/

An Introduction to Open Education

http://linkresearchlab.org/openedmooc/

An Overview of the Current State of Linked and Open Data In Cataloging

https://ejournals.bc.edu/ojs/index.php/ital/article/view/10432



Applications, Algorithms and Data: Open Educational Resources and the Next Generation of Virtual Learning by Stephen Downes

http://www.downes.ca/presentation/481

A Recipe for a Successful Institutional Open Education Initiative

https://wcetfrontiers.org/2019/02/06/successful-institutional-open-education-initiative/

Arizona State Working with Community Colleges in Interactive OER Pilot https://www.downes.ca/cgi-bin/page.cgi?post=69342

Attributes of Open Pedagogy: A Model for Using Open Educational Resources https://upload.wikimedia.org/wikipedia/commons/c/ca/Ed_Tech_Hegarty_2015_article_a https://upload.wikimedia.org/wikipedia/commons/c/ca/Ed_Tech_Hegarty_2015_article_a https://upload.wikimedia.org/wikipedia/commons/c/ca/Ed_Tech_Hegarty_2015_article_a https://upload.wikimedia.org/wikipedia/commons/c/ca/Ed_Tech_Hegarty_2015_article_a https://upload.wikimedia.org/wikipedia/commons/c/ca/Ed_Tech_Hegarty_2015_article_a

Barriers, Incentives, and Benefits of the Open Educational Resources (OER) Movement: An Exploration Into Instructor Perspectives by Serena Henderson and Nathaniel Ostashewski

https://firstmonday.org/ojs/index.php/fm/article/view/9172

Beyond Free: A Social Justice Vision for Open Education by Rajiv Jhangkiani https://osf.io/9hn56/

Book Review – Open and Distance Education Theory

https://www.tonybates.ca/2019/07/01/book-review-open-and-distance-education-theory-revisited/

Calculating (and Acknowledging) the Costs of OER

https://www.insidehighered.com/digital-learning/article/2018/07/25/community-college-confronts-costs-open-educational-resources

Can You Automate OER Evaluation With the RISE Framework?

 $\underline{\text{http://www.edugeekjournal.com/2018/08/10/can-you-automate-oer-evaluation-with-the-rise-framework/}}$

Center for Education Through eXploration

https://etx.asu.edu/

Center for Open Education

http://open.umn.edu/

CIO's: OER Will Storm Campuses In the Next 5 Years, "High C;oud" Just Isn't Happening by Laura Ascione

https://www.ecampusnews.com/it-newsletter/report-oer-video-take-lead-campus/



Class Central - Free Online Education

https://www.class-central.com/

College Open Textbooks – Driving Awareness and Adoption of Open Textbooks http://www.collegeopentextbooks.org/

Common Struggles: Policy-Based vs Scholar-Led Approaches To Opne Access in the Hummanties

https://hcommons.org/deposits/item/hc:24135/

Community College Consortium for Open Educational Resources (OER) https://www.oerconsortium.org/

Community of Practice for Open Education

https://www.cccoer.org/

Confederation of Open Repositories (COAR) – Next Generation Repositories http://ngr.coar-repositories.org/

Connect OER Annual Report for 2018 – 2019

https://sparcopen.org/news/2019/sparc-releases-connect-oer-annual-report-for-2018-2019/

COOL4Ed – California Open Online Library for Education http://cool4ed.org/

CORE – Aggregating the World's Open Access Research Papers https://core.ac.uk/

Courseroot - Online Courses Database

https://courseroot.com/

Containing the Future of OER

http://bavatuesdays.com/containing-the-future-of-oer/

Defining OER-Enabled Pedagogy

http://www.irrodl.org/index.php/irrodl/article/view/3601

Design Courses – Curated List of Free Online Courses for Designers

https://betalist.com/startups/design-courses

Designing the New OER Policy Registry

https://oerworldmap.wordpress.com/2018/11/22/designing-the-new-oer-policy-registry/



DigitalGov University

https://digital.gov/digitalgov-university/

Directory of Open Access Books (DOAB)

https://doabooks.org/

Directory of Open Access Respositories (OpenDOAR)

http://opendoar.org/

Do Open Educational Resources Improve Student Learning? Implications of the Access Hypothesis

https://oerknowledgecloud.org/sites/oerknowledgecloud.org/files/journal.pone_.0212508.pdf

Education Blockchain Market Map

https://www.holoniq.com/blockchain

Education Publisher Pearson to Phase Out Print Textbooks

https://www.bbc.com/news/business-48998789

EduOPEN

https://learn.eduopen.org/

EduRef - Changing Lives Through Support of Our Educators

https://eduref.org/

EMC Launches Microcredential Framework

https://thepienews.com/news/emc-launches-common-microcredential-framework/

European Association of Distance Teaching Universities (EADTU)

http://eadtu.eu/

European MOOC Consortium (EMC

https://emc.eadtu.eu/

European MOOC Platforms Plan New Generation of Microcredentials

https://www.classcentral.com/report/european-mooc-platforms-plan-new-generation-of-microcredentials/

Exploring Open Access Ebook Usahe

https://hcommons.org/deposits/item/hc:24147/

Fediverse - Federated Social Networks

https://fediverse.party/



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Fifty Shades of Open by Jeffrey Pomerantz ans Robin Peek

https://firstmonday.org/ojs/index.php/fm/article/view/6360/5460

Find Free and Open Access Journals and Articles

http://cool4ed.org/findjournalsandarticles

Find Free and Open Course Materials

http://cool4ed.org/findcoursematerials

Find Free and Open eTextbooks

http://cool4ed.org/findetextbooks

Find Free and Open Online Courses

http://cool4ed.org/findcoursematerials

Find OER - Open Professionals Education Network

https://open4us.org/find-oer/

Finding More OER Sources

http://libraryguides.goucher.edu/c.php?g=242548&p=1612844

Finding Open Content – OER Africa

https://www.oerafrica.org/book/welcome

FOSTER – The Open Science Portal

https://www.fosteropenscience.eu/

Free Documentaries

http://www.freedocumentaries.org/

Free Online Courses Database: 917 Free Courses from Top Universities

http://onlinecoursespro.com/free-online-courses-database/

Free Text Books

https://freetextbooks.com/

Free Video Lectures - Online Courses and Lecture Videos

http://freevideolectures.com/

FUN-MOOC

https://www.fun-mooc.fr/

Future Learn

https://www.futurelearn.com/



GCF Global Free Learning

http://www.gcflearnfree.org/topics

Giving Knowledge for Free – The Emergence of Open Educational Resources http://www.oecd.org/edu/ceri/38654317.pdf

Hard Copy or Electronic Textbooks? Professors Are More Concerned About Keeping Them Affordable by Claire Hansen

https://www.chronicle.com/article/Hard-Copy-or-Electronic/244425

Health (Nursing, Medicine, Allied Health): Open Educational Resources (OER) for the Health Professions

https://guides.nyu.edu/health/oer

How Machine Learning Is Easing Open Educational Resources (OER) Pain Point https://campustechnology.com/articles/2017/10/04/how-machine-learning-is-easing-oer-pain-points.aspx

Humanties Commons

https://hcommons.org/

Hybrid Pedagogy

http://hybridpedagogy.org/textbook-access/

Implementing A Holistic Approach To Lifelong Learning: Community Lifelong Learning Centres As A Gateway to Multidisciplinary Support Teams https://www.cedefop.europa.eu/files/2226 en.pdf

In Open Access's Long Shadow – A View From the Humanities by Enrico Natale https://0277.ch/ojs/index.php/cdrs_0277/article/view/184/412

Insights Into the Economy of Open Scholarship

https://www.downes.ca/cgi-bin/page.cgi?post=69636

Inspark Smart Courses

https://inspark.education/

Intellus Platform – Macmillan Learning Support for Open Education Resources https://intelluslearning.com/

International Journal for Open Educational Resources

https://www.ijoer.org/



Intro to OER: A Wider Spectrum

http://bionicteaching.com/intro-to-oer-a-wider-spectrum/

It's a Long Game After All by David Wiley

https://opencontent.org/blog/archives/6109

Japanned – e-Learning

https://japanned.hcommons.org/e-learning/

Johns Hopkins Bloomberg School of Public Health's OPENCOURSEWARE (OCW)

http://ocw.jhsph.edu/

Khan Academy - Free World-Class Education for Anyone Anywhere

http://www.khanacademy.org/

Know It Wall (KiW) - A Place for Inquisitive Minds

http://knowitwall.com/

LabXchange - Science and Learning-Connected

https://labxchange.org/

@Lgnatia Webs

https://ignatiawebs.blogspot.com/2019/05/blockchain-in-learning-exploring-for.html

Learning Tools Interoperability® (LTI®) Resource Search

https://www.imsglobal.org/resource-search

Lesson Paths - Making Learning Online Free and Accessible To the Entire World

http://www.lessonpaths.com/

Library Systems and Vendors in UK Higher Education

https://www.helibtech.com/he systems review

LinkedIn Becomes a Serious Open Learning Platform

https://www.clomedia.com/2018/11/09/linkedin-becomes-a-serious-open-learning-experience-platform/

List of 41 Providers Offering MOOCs/Free Online Courses

https://www.class-central.com/providers

Low Cost Textbook Alternatives: Worth the Effort?

https://scholarlykitchen.sspnet.org/2019/04/01/guest-post-low-cost-textbook-alternatives-worth-the-effort/



Lrnr - Adaptive Learning Solutions

https://www.lrnr.us/

LTI Resource Search

https://www.imsglobal.org/resource-search

Lumen Learning

http://lumenlearning.com/

Madrasa – e-Learning Arabic Platform

https://www.madrasa.org/

Making E-Textbooks More Interactive by David Raths

https://campustechnology.com/articles/2018/09/05/making-etextbooks-more-interactive.aspx?m=1

Mason OER Metafinder (MOM)

https://mason.deepwebaccess.com/mason__MasonLibrariesOpenEducationResources_5f 4/desktop/en/search.html

Massive List of MOOC Providers Around the World

https://www.classcentral.com/report/mooc-providers-list/

Measuring the Impact of OER at the University of Georgia

https://www.insidehighered.com/digital-learning/article/2018/07/16/measuring-impact-oer-university-georgia

Media, Technology and Culture Open Access Audio Lectures

http://culturedigitally.org/

Merlott II – Free and Open Online Teaching, Learning and Faculty Development Services

https://www.merlot.org/merlot/index.htm

Methodological Guide for Implementation and Evaluation of Open e-Textbook Programs

https://ec.europa.eu/jrc/en/publication/methodological-guide-implementation-and-evaluation-open-e-textbook-programs

Miriadax - MOOCs

https://miriadax.net/cursos

MIT OpenCourseWare (OCW) - Free Lecture Notes, Exams, and Videos from MIT http://ocw.mit.edu/



MIT Open Courseware – Online Textbooks

https://ocw.mit.edu/courses/online-textbooks/

MOOC4D - Massive Open Online Courses for Development

http://www.mooc4dev.org/

MOOC List

https://www.mooc-list.com/

mooc.org - edX Destination

http://mooc.org/

MOOCReport - Class Central

https://www.classcentral.com/report/

MOOCs and Open Educational Resources: A Handbook for Educators

http://intelligenttelevision.com/files/59-

moocs and open educational resources handbook kaufman 100616.pdf

MOOCTracker - Compilation of Free Open Online Business Courses From Around the World

http://www.ft.com/intl/cms/s/2/039fb95a-161c-11e3-a57d-00144feabdc0.html#top

MOOCWatch by Class Central

https://www.classcentral.com/report/category/moocwatch/

MoSCoW Method

https://en.wikipedia.org/wiki/MoSCoW method

National Council for Open Education

https://eduref.org/

New Frontiers for Openness in Scholarly Publishing

https://www.mdpi.com/journal/publications/special issues/openpub

New Issues for OERs – January 18, 2019

https://halfanhour.blogspot.com/2019/01/new-issues-for-oers.html

No Excuse List - The Best Place On the Web To learn Anything Free

http://noexcuselist.com/

Notes form OER19

https://bavatuesdays.com/notes-from-oer19/



OAPEN Foundation and Online Library and Publication Platform http://www.oapen.org/

OCW Bookshelf - MIT OpenCourseWare Textbook Information

http://mitopencourseware.wordpress.com/ocw-bookshelf/

OER18

https://oer18.oerconf.org/

OER19

https://oer19.oerconf.org/

OER20

https://oer20.oerconf.org/

OER Browse Materials

https://www.oercommons.org/oer

OER Canvas

https://education.okfn.org/handbooks/oer-canvas/

OER Commons – Discover – Share – Create

https://www.oercommons.org/

OER - Free Is Good

https://www.edutopia.org/blog/free-good-bethany-rayl

OERHub – Researching Open Education

http://oerhub.net/

OER Knowledge Cloud

https://oerknowledgecloud.org/

OER Open Educational Resources: Big List of Resources

http://pitt.libguides.com/openeducation/biglist

OER Resources for Policy Makers

http://www.ccsso.org/resource-library/oer-resources-policy-makers

OER State Legislative Guide

https://oerknowledgecloud.org/content/oer-state-legislative-guide

OERu – Enabling Education Around the Globe

https://oeru.org/



OERu Social Network

https://course.oeru.org/support/studying-courses/oeru-social-network/

OER World Map

https://oerworldmap.org/

OLC Research Center for Digital Learning and Leadership

https://onlinelearningconsortium.org/read/olc-research-center-digital-learning-leadership

OLI – Profiles of Next Generation Learning

https://oli.cmu.edu/learn-more-about-oli/

OnlineCourses.com - Obtain Free Courseware Lectures from the World's Leading Universities

http://www.onlinecourses.com/lectures/

Online Learning

https://olj.onlinelearningconsortium.org/

Online Learning and Distance Education Resources by Tony Bates

https://www.tonybates.ca/

On OER and College Bookstores

https://opencontent.org/blog/archives/3168

Open 101: An Action Plan for Affordable Textbooks

https://studentpirgs.org/blog/2018/01/25/open-101-action-plan-affordable-textbooks/

Open-Access Best Sellers

 $\underline{https://www.insidehighered.com/news/2018/06/01/most-popular-open-access-monographs}$

OpenAIRE – Science Set Free

https://www.openaire.eu/

Open and Distance eLearning in Asia

http://www.jl4d.org/index.php/ejl4d/article/view/301/328

Open Content

https://opencontent.org/

Open Course Development by the OERu

https://www.youtube.com/watch?v=ZEyzL4E0OSU&list=PLgNzHqwrWe5zzMG5C3yLP8mkbKMNewSP9



Open Course Library

http://opencourselibrary.org/

Open Courses for eLearning Capacity Building

https://www.youtube.com/watch?v=6hlkc6V3RX4&list=PLgNzHqwrWe5zzMG5C3yLP8mkbKMNewSP9

OpenCourseWare Consortium

http://ocwconsortium.org/

Open Culture – 1300 Free Online Courses From Top Universities

http://www.openculture.com/freeonlinecourses

Open Culture - Best Free Cultural and Educational Media On the Web

http://www.openculture.com/

Open Database of Canadian Educational Facilities

https://www150.statcan.gc.ca/n1/daily-quotidien/190819/dq190819c-eng.htm

Open Datasets

http://www.DataPortals.org/

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/

http://www.OpenDataSets.info/

Open Education

https://tech.ed.gov/open/

Open Education in Chile: Small Steps in an Adverse Context

https://education.okfn.org/open-education-in-chile-small-steps-in-an-adverse-context/

Open Education Resources in Libraries

https://floridalibrarywebinars.org/open-education-resources-in-libraries/

Open Educational Resources in Technical and Vocational Education and Training (TVET)

http://www.unevoc.unesco.org/go.php?q=Open%20Educational%20Resources%20in%20TVET



Open Educational Resources - Internet Archive

http://www.archive.org/details/education

Open Educational Resources Movement Scales Up

 $\underline{\text{http://www.edweek.org/ew/articles/2017/03/29/open-educational-resources-movement-scales-up-oer.html}$

Open Educational Resources (OER) and the Evolving Higher Education Landscape https://assets.cengage.com/pdf/wp oer-evolving-higher-ed-landscape.pdf

Open Educational Resources (OER) – Association of Research Libraries (ARL) http://www.arl.org/focus-areas/open-scholarship/open-educational-resources

Open Educational Resources (OER) – Big List of Resources https://pitt.libguides.com/openeducation/biglist

Open Educational Resources (OER) Degree Initiative

http://achievingthedream.org/resources/initiatives/open-educational-resources-oer-degree-initiative

Open Educational Resources (OER) – Download & Streaming – Archive's Library https://archive.org/details/education

Open Educational Resources (OER) - Educause

https://library.educause.edu/topics/teaching-and-learning/open-educational-resources-oer

Open Educational Resources (OER) – Hewlett Foundation

http://www.hewlett.org/strategy/open-educational-resources/

Open Educational Resources (OER) – Jisc

https://www.jisc.ac.uk/guides/open-educational-resources

Open Educational Resources (OER) – Open Textbook Collections

https://guides.lib.vt.edu/oer/opentextbooks

Open Educational Resources (OER): Resource Roundup

https://www.edutopia.org/open-educational-resources-guide

Open Educational Resources (OER) – San Jacinto College

https://sjcd.libguides.com/c.php?g=534967&p=3659838

Open Educational Resources (OER) – Skills Commons

http://support.skillscommons.org/about/open-educational-resources/



Open Educational Resources (OER) Sources 2020

http://www.OERSources.com/

Open Educational Resources (OER) Sources 2019 Search Engine

http://www.OERSearchEngine.com/

Open Educational Resources (OER) – Tidewater Community College

https://libguides.tcc.edu/faculty/OER/search-engines

Open Educational Resources (OER) - UEN

http://www.uen.org/oer/index.shtml

Open Educational Resources (OER) – UNESCO

http://www.unesco.org/new/en/communication-and-information/access-to-knowledge/open-educational-resources//

Open Educational Resources (OER) - Wikipedia

https://en.wikipedia.org/wiki/Open educational resources

Open Educational Resources (OER) – Wikiversity

https://en.wikiversity.org/wiki/Open Educational Resources

Open Educational Resources, Student Efficacy, and User Perceptions: A Synthesis of Research Published Between 2015 and 2018 by John Hilton, III

https://link.springer.com/article/10.1007/s11423-019-09700-4

Open Education Database - Comprehensive Collection of Online College Rankings and Free Courses

http://oedb.org/

Open Education Group - Socially Responsive Research That Concretely Improves Society

http://openedgroup.org/

Open Education Resources (OER) Applications from Around the World

 $\underline{https://teachonline.ca/tools-trends/open-education-resources-oer-applications-around-world/taxonomy-term}$

OpenLearn - Free Learning from the Open University

http://www.open.edu/openlearn/tags

Open Learning Hub

http://openlearninghub.net/



Open Learning Initiative

http://oli.cmu.edu/

Open Logic Project - An Open Source, Collaborative Logic Text

http://openlogicproject.org/

Open Pedagogy as an Exponential Accelerator in OER Creation

http://geoffcain.com/blog/education/open-pedagogy-as-an-exponential-accelerator-in-oer-creation/

OpenReview - Openess in Scientific Communications

https://openreview.net/

Opensource Apps for Educators

https://oet.sandcats.io/

OpenStax – Discover Learning Materials in an Open Space

http://cnx.org/

https://openstax.org/

Open Syllabus Project Co-Assignment Galaxy

http://galaxy.opensyllabus.org/

OpenText

https://www.opentext.com/

Open Textbook Library

https://open.umn.edu/opentextbooks/

Open University

http://www.OpenUniversity.edu/

Open University Podcasts

http://podcast.open.ac.uk/

OpenupEd - Worldwide Large MOOC Provider for Higher Education

http://www.openuped.eu/

Open-Up Resources - Curriculum Free and Open

https://openupresources.org/

Open Yale Courses

http://oyc.yale.edu/



Peer-Reviewed Instructional Materials Online Database (PRIMO) http://primodb.org/

Perspectives on the Open Access Discovery Landscape by Sarah Fahmy https://scholarlycommunications.jiscinvolve.org/wp/2019/04/24/perspectives-on-the-open-access-discovery-landscape/

Placed-Based Spaces for Networked Learning http://e4innovation.com/?p=1078

Professors Worry About the Cost of Textbooks, But Free Alternatives Pose Their Own Problems by Beth McMurtrie January 9, 2019 https://www.chronicle.com/article/Professors-Worry-About-the/245435

Project Gutenberg – Free eBooks http://www.gutenberg.org/

Reflecting on the Impact of the Open Education Movement https://jl4d.org/index.php/ejl4d/article/view/314

Repositories of Open Educational Resources: An Assessment of Reuse and Educational Aspects
http://www.irrodl.org/index.php/irrodl/article/view/3063/4300

Research Data Curation Bibliography Version 9 by Charles W. Bailey, Jr. http://digital-scholarship.org/rdcb/rdcb.htm

Rob Johnson on Shifting Relationship Dynamics and Imbalances in an Open Access World

https://scholarlykitchen.sspnet.org/2019/04/03/guest-post-rob-johnson-on-shifting-relationship-dynamics-and-imbalances-in-an-open-access-world/

Sandstorm – 74+ Open Source Productivity Web Apps for Students and Faculty https://sandstorm.io/go/education

School of Open http://schoolofopen.p2pu.org

Schrodinger's OER

https://opencontent.org/blog/archives/5511

Sharing MOOC Resources – Whatever Happened to Open? http://acreelman.blogspot.com/2018/12/sharing-mooc-resources-whatever.html



Skill Commons – Open Digital Library of Workforce Training Materials http://www.skillscommons.org/

SPARC – Setting the Default to Open

https://sparcopen.org/

Squirrel AI Learning – Revolutionizing Education

https://squirrelai.com/

Sponsoring Consortium for Open Access Publishing in Particle Physics (SCOAP3) https://scoap3.org/

Statewide Data on OER Savings

 $\underline{https://www.insidehighered.com/digital-learning/article/2018/11/16/north-dakota-audit-reports-significant-cost-savings-after-oer$

StoryWeaver

https://storyweaver.org.in/

Subject Tracers – Virtual Private Library

http://www.SubjectTracers.com/

Swayam - Free Online Education

https://swayam.gov.in/

TED – Riveting Talks by Remarkable People, Free to the World

http://www.TED.com/

The Collection of Computer Science Bibliographies

https://liinwww.ira.uka.de/bibliography/

The Fabrication That Is OER by Stephen Downes

https://halfanhour.blogspot.com/2018/07/the-fabrication-that-is-oer.html?m=1

The Free Online Courses That Are Putting College In Reach

https://www.universityofcalifornia.edu/news/free-online-courses-are-putting-college-reach

The Future of Augmented Reality & Blockchain Technology

https://next.reality.news/news/future-augmented-reality-blockchain-technology-0196248/

The High Cost of College Textbooks Explained

https://www.vox.com/the-goods/2019/3/6/18252322/college-textbooks-cost-expensive-pearson-cengage-mcgraw-hill



The International Review of Research In Open and Distributed Learning (IRRODL)

http://www.irrodl.org/index.php/irrodl

The OECD Learning Compass 2030

http://www.oecd.org/education/2030-project/teaching-and-learning/learning/

The Open Textbook Toolkit by Mira Waller, Will Cross and Erica Hayes

http://www.ala.org/acrl/sites/ala.org.acrl/files/content/conferences/confsandpreconfs/2019/TheOpenTextbookToolkit.pdf

The Orange Grove - Florida's Open Educational Resource Repository

https://www.floridashines.org/orange-grove

The Radical Transformation of the Textbook

https://www.wired.com/story/digital-textbooks-radical-transformation/

The Rebus Guide to Publishing Open Textbooks (So Far)

https://press.rebus.community/the-rebus-guide-to-publishing-open-textbooks/

The Rise Package for R: Reducing Time Through the OER Continuous Improvement Cycle

https://opencontent.org/blog/archives/5641

The Sixth "R" of Open Educational Resources by Chris Aldrich

https://boffosocko.com/2018/08/30/the-sixth-r-of-open-educational-resources-oer/

The Ultimate Guide To OER: How You Can Improve Educational Content

https://tophat.com/ebooks/ultimate-guide-to-oer-open-educational-resources/

The Uncertain Future of OER

https://www.edutopia.org/article/uncertain-future-oer

To Meet the Plan "S" Open-Access Mandate, Journals Mull Setting Papers Free at Publications

https://www.sciencemag.org/news/2019/05/meet-plan-s-open-access-mandate-journals-mull-setting-papers-free-publication

Top 100 Free Online Courses and MOOCs of All Time

https://www.classcentral.com/collection/top-free-online-courses

TOPkit Digest – Open Educational Resources (OER)

https://mailchi.mp/b6883ad28f2d/topkit-digest-incentives-1289477



TOPkit – Teaching Online Preparation Toolkit

https://topkit.org/

Toward a Distributed OER Network

https://www.downes.ca/cgi-bin/page.cgi?presentation=506

Toward a New Kind of "Big Deal" by Lindsay McKenzie

 $\underline{https://www.insidehighered.com/news/2019/08/30/pursuing-new-kind-\%E2\%80\%9Cbigdeal\%E2\%80\%9D-publishers$

Toward a Sustainable OER Ecosystem: The Case for OER Stewardship

 $\underline{https://careframework.org/2018/03/04/toward-a-sustainable-oer-ecosystem-the-careframework/}$

Udacity – Free College Courses Online

http://www.udacity.com/

Ultimate Guide to Free Online Courses

http://www.smartscholar.com/free-online-course-guide/

Understanding the Impact of OER: Achievements and Challenges

https://iite.unesco.org/wp-

content/uploads/2019/04/Understanding the impact of OER 2019 final.pdf

UNESCO OER Recommendation: One Step Closer to Adoption

https://creativecommons.org/2019/06/04/unesco-oer-recommendation-one-step-closer-to-adoption/

University of the People (UoPeople)- Tuition Free Online Academic Institution http://www.uopeople.edu/

VideoJug - Comprehensive Library of Free Factual How To and Ask the Expert Videos

http://www.VideoJug.com/

Virtually Connecting

https://virtuallyconnecting.org/

Voodoo Categorisation and Synamic Ontologies In the World of OER by Doug Belshaw

https://blog.moodle.net/2019/voodoo-categorisation/

W3Schools Online Web Tutorials

https://www.w3schools.com/



WatchKnowLearn - Free Organized Educational Videos

http://www.watchknowlearn.org/

WebWork – Open-Source Software

http://webwork.maa.org/getwebwork.html

What Are Open Educational Resources

https://openeducationalresources.pbworks.com/w/page/24836860/What%20are%20Open%20Educational%20Resources

When Is an OER an OER?

https://opencontent.org/blog/archives/5463

White Papers by Marcus P. Zillman, M.S., A.M.H.A.

http://www.WhitePapers.us/

Why Are College Textbooks So Expensive

https://youtu.be/Cv-60ZA-PnM

Wikiversity - Learning Resources, Learning Projects and Research

http://en.wikiversity.org/wiki/Wikiversity:Main Page

World University and School

http://worlduniversityandschool.org/

X5GON – Cross Modal, Cross Cultural, Cross Lingual, Cross Domain, and Cross Global OER Network

https://www.x5gon.org/

ZeroNet – Open, Free and Uncensorable Websites Using Bitcoin Cryptography and BitTorrent Network

https://zeronet.io/

Awareness WatchTM Spotters

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 79 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 (941KB) at the



above link from the <u>Virtual Private LibraryTM</u> and authored by <u>Marcus P. Zillman, M.S., A.M.H.A.</u> [Completely Updated with all links validated and new URLs added: October 1, 2019]. Other white papers are available by clicking <u>here</u>.

Open Educational Resources (OER) Sources 2020

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 2020, 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 TracerTM. This will be added to Student Research Resources Subject TracerTM. Complete Update Including All Links Validated on October 1, 2019 [34 pages, 779KB PDF]

Deep Web Research and Discovery Resources 2020

http://www.DeepWeb.us/

I have just updated my white paper link dataset compilation and now titled **Deep Web Research and Discovery Resources 2020** and it is now a 67 page 840KB PDF document 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 7,000,000+ times! **October 1, 2019**

Web Data Extractors 2020

http://www.WebDataExtractors.com/

The Research white paper link compilation titled "Web Data Extractors 2020" is now a 22 page research paper listing many resources both new and existing that will help anyone who is attempting to find information and knowledge research about web data extraction on the Internet. It is freely available as a .pdf file (542KB) at the above link from the Virtual Private LibraryTM and authored by Marcus P. Zillman, M.S., A.M.H.A. It was updated with all links validated and new links added on **October 1**, **2019**. Other white papers are available by clicking here.

New Economy Resources 2020

http://www.NewEconomyResources.com/

http://2020NewEconomy.com/

New Economy Resources 2020 represents the latest world wide web resources for discovering new knowledge and understanding the latest happenings with regards to the New Economy. The world is rapidly changing as transparency, big data and the ability to



access data from new and now accessible databases becomes a reality! Understanding the required new economy analytics, resources and alerts will give you the necessary tools to maintain your current position, improve your position and or discover the new knowledge required to be the leader in your profession. It was Released October 1, 2018 [44 pages 917KB .pdf]

Datantify - The Biggest High-Quality Database of Global Company https://datantify.com/

Supplying: a) 106 208 834 companies with active emails, phone numbers and more; b) 5 204 industries, and c) 194 countries. Features incluse: 1) 30-Day Money-Back Guarantee - If you are not satisfied with the quality of our product, we will refund your money within 30 days; 2) Database Updates Everyday - Their databases are updated every day, so you can be sure that you get only the most recent, verified and ready-to-use data; 3) 99% Of Customers Would Recommend Them - Their customers are satisfied with the quality of their products and they are happy to come back for more; 4) More Than 90% Of Global Companies Covered - They provide verified data that covers over 90% of worldwide companies in particular industries; 5) Search. Order. Download - Simple system that allows you to get in touch with your customers and partners within minutes; and 6) CRM-Ready Files - With their databases available in the .csv file format, it is much easier to integrate them in your CRM and get started. Datantify is a fresh, dynamically developing company from the USA. They are the largest provider of highquality databases in the world. Their team counts more than 10 people due to well thought out automation and simplification of many processes, which allowed us to quickly develop our services (about a year from funding a company in September of 2018) using only bootstrapping. Their team is working very hard to deliver the best databases on the market. That's why they are sure of the highest quality of the data they are providing their customers with. Learn about their special secret and get to know the Datantify Alanat algorithm inside out. Their target is to be like Google for database search, browse and buy. They think it works well because they have customers from more than 180 countries. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

RIVAL - Automated Competitive Intelligence Platform https://rivalci.com/

Keep an eye on your Rivals and stay ahead of them. Rival is an automated Competitive Intelligence Platform that monitors your rivals, notifying you as they make changes, allowing you to be proactive in keeping your competitive edge and refine your products. Rival helps protect what is unique in your business, and uncover what is unique in your competitors. Features for: 1) Startup - Disrupt the market by tracking the changes of market leaders; 2) Scaleup - Monitor your closest rivals, and watch the market trends in your space; and 3) Enterprise - Preserve your market leadership by using Rival to track new players. Rival adds an automated layer to your market and competitive intelligence, letting you get a focused view on what is happening in your marks, and quickly pivot and



position to keep your unique edge. This will be added to <u>Business Intelligence Resources</u> Subject TracerTM. This will be added to <u>Entrepreneurial Resources</u> Subject TracerTM. This will be added to the tools section of <u>Research Resources</u> Subject TracerTM.

November 2019 Zillman Column: 2020 Guide to Web Data Extractors

http://columns.VirtualPrivateLibrary.net/2020 Guide Web Data Extractors Nov19 Column.pdf

http://www.zillmancolumns.com/

The November 2019 Zillman Column features **2020 Guide to Web Data Extractors** by Marcus P. Zillman, M.S., A.M.H.A.; Executive Director of the Virtual Private Library. This is a comprehensive listing of competent web data extractors resources including subject guides, subject tracers and index resources and sites available on the Internet. The below list of sources is taken from my Subject TracerTM White Paper Web Data Extractors 2020 and is constantly updated with Subject TracerTM bots at the following URL http://www.WebDataExtractors.com/. These resources and sources will help you to discover the many pathways available through the Internet to find the very latest competent web data extractors resources. As this site is constantly updated it would be to your benefit to bookmark and return to the above URL frequently to download the latest freely available current internet web data extractors search resources and sources. Download this excellent freely available 22 page 694KB pdf column today. This is another MUST have column to discover the latest 2020 competent web data extractors resources to give you the information you need in today's ever changing and fast paced 2020 New Economy business and academic world!!

SocialMedia Research Foudation

https://www.smrfoundation.org/

The Social Media Research Foundation is the home of NodeXL – Network Overview Discovery and Exploration for Excel (2010, 2013 and 2016) – extending the familiar spreadsheet so you can collect, analyze and visualize complex social networks from Twitter, Facebook, Youtube and Flickr. A growing number of academics, market strategists and social media managers from around the world make use of this easy-tohandle tool. You can, too! If you can make a pie chart, you can now make a network map! Features include: a) Their Mission - Mapping, measuring and understanding the landscape of social media is our mission. They support tool projects that enable the collection, analysis and visualization of social media data; b) Their Network - The Social Media Research foundation is supported by a global network of academics from a wide variety of disciplines; and c) NodeXL - NodeXL supports all features to conduct professional social network analysis (SNA): Community clustering, influencer detection, content analysis, sentiment analysis, time series analysis and a lot more. This will be added to Social Informatics Subject TracerTM. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.



SocialMedia Research Foudation

https://www.smrfoundation.org/

The Social Media Research Foundation is the home of NodeXL – Network Overview Discovery and Exploration for Excel (2010, 2013 and 2016) – extending the familiar spreadsheet so you can collect, analyze and visualize complex social networks from Twitter, Facebook, Youtube and Flickr. A growing number of academics, market strategists and social media managers from around the world make use of this easy-tohandle tool. You can, too! If you can make a pie chart, you can now make a network map! Features include: a) Their Mission - Mapping, measuring and understanding the landscape of social media is our mission. They support tool projects that enable the collection, analysis and visualization of social media data; b) Their Network - The Social Media Research foundation is supported by a global network of academics from a wide variety of disciplines; and c) NodeXL - NodeXL supports all features to conduct professional social network analysis (SNA): Community clustering, influencer detection, content analysis, sentiment analysis, time series analysis and a lot more. This will be added to Social Informatics Subject TracerTM. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

WayScript - A New Say To Build Software

https://wayscript.com/

WayScript gives you flexible building blocks to seamlessly integrate, automate and host tools in the cloud. Unlock new potential with drag and drop programming. There's no upper bound on what you can achieve. Get under the hood, install libraries, seamlessly integrate with other platforms, rapidly prototype, and get your scripts running on the cloud in minutes. From analyzing tweets to building a website, WayScript and its community contribute Templates that you can use as-is or build upon. Scripts can be easily shared with others on your team or more broadly. Simply save your scripts, make them public to your organization, or the WayScript community. Use WayScript to build your own scripts for any team. This will be added to Script Resources Subject TracerTM. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

Sales eMail Templates That Actually Work

https://artofemails.com/

Get replies and new customers, without dry spells or guesswork. This start-to-finish sales system shows you how to cold email, follow up, charge higher rates, overcome objections and get new clients without worrying about dry spells. 60+ free cold email and sales email templates. They turned the most effective sales approaches into unique templates that sound human, provide value and are super easy to personalize. Get replies and new customers with confidence. This will be added to eCommerce Resources Subject TracerTM. This will be added to Business Intelligence Resources Subject TracerTM. This



will be added to <u>Entrepreneurial Resources</u> Subject TracerTM. This will be added to the tools section of <u>Research Resources</u> Subject TracerTM.

AI Chalet - Automate All Your Work Using AI For Free

https://aichalet.com/

AI Chalet is an artificial intelligence platform that allows users to create business programs without writing any code. By filling out the simple form on the home page AI Chalet processes millions of lines of source code to create small business applications that drive workers to much higher levels of productivity. This will be added to Artificial Intelligence Resources Subject TracerTM. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to the tools section of Resources Subject TracerTM.

Weekly.vc

https://weekly.vc/

A weekly newsletter of requests for pitches from elite angels & VCs. Investors submit requests for pitches to us and we share them anonymously in our weekly email. You reply to the requests you're interested in, and we forward your response to them. They introduce you to the investor if they want to learn more about you. What is a request for pitches? When investors are looking for startups to invest in, interview, or research, they submit requests for pitches to Weekly.vc. Why use Weekly.vc? 1) Pitch investors right when they're looking for startups like yours; 2) Direct introductions to elite investors from top funds like Sequoia & Lightspeed; 3) Requests from pitches from both venture capitalists and angel investors; 4) Higher conversion rate than cold emailing investors; 5) An affordable way to keep a pulse on venture capital activity; and 6) If investors reject your pitch, we'll share their feedback. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

Toxic Comment Classifier

https://developer.ibm.com/exchanges/models/all/max-toxic-comment-classifier/
This model is able to detect 6 types of toxicity in a text fragment. The six detectable types are toxic, severe toxic, obscene, threat, insult, and identity hate. The underlying neural network is based on the pre-trained BERT-Base, English Uncased model and was fine tuned on the Toxic Comment Classification Dataset using the Huggingface BERT Pytorch repository. A brief definition of the six different toxicity types can be found at this site. This will be added to Artificial Intelligence Resources Subject TracerTM. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.



How To Spot Disinformation

https://www.cbc.ca/news/politics/chat-bot-canada-federal-election-disinformation-1.5270765

CBC's chat bot helps you spot 'fake news' — and avoid spreading it. Chat Bot is a Facebook Messenger tool meant to help you tackle disinformation. Chat Bot is a tool for Facebook Messenger that guides you through five weeks of learning about misinformation and disinformation, from deep fakes to suspicious articles. This will be added to Information Quality Resources Subject TracerTM. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

Digital Private Vault

https://www.digitalprivatevault.com/

A Vault App to Protect Private Photos, Videos & Notes, Digital Private Vault is a personal vault app designed to hide sensitive data on your phone. You can hide and lock your personal photos, videos as well as important notes to protect them from any unwanted intruders. Features include: a) Hide Photos and Videos - From private moments to important documents — store a copy of everything on your phone confidently. They have also worked on making Digital Private Vault lean yet functional. You can import important files quickly without any loss in quality, neatly organize them in albums and even set a lock to individual albums; 2) Private Notes - Tired of remembering multiple passwords? Or maybe you want to keep bank details handy — but leaving them in plain sight bothers you. We've got your back. Digital Private Vault allows you to jot down secret notes and store sensitive information in the app that only you can access; and 3) Smart Hiding (Coming Soon): Decoy Password - For curious friends prompting you to show your secrets, set up a fake pin and diverge them to a dummy photo vault; and Fake App Icon - Digital Private Vault can go incognito in the app drawer. All you need to do is change the icon in the app settings and disguise it as another app. This will be added to Privacy Resources Subject TracerTM. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

Sizle - Turn Presentations Into Conversations

https://sizle.io/

Sizle supercharges presentations with stunning slide design, detailed viewer insights, feedback forms and CRM integration – all in the browser. Create visually stunning presentations in minutes. Hold the attention of your viewers with the most advanced animations, dynamic transitions, succinct data vizualizations and unique motion graphics of any presentation platform. Get instant notifications when a presentation is opened, closed, completed – and more. Gain insight with trailblazing analytics and tracking, while engagement statistics lift the lid on a presentation's genuine performance. Leave a chased after your presentation, ensuring the recipient feels part of a personalised conversation with you. Have them schedule a follow-up for a time that suits them, syncing up



seamlessly with your calendar. Create presentations that are part of your sales cycle. Sizle connects with popular tools including Salesforce, Zoho, HubSpot, Pipedrive, Insightly and more. This will be added to <u>Business Intelligence Resources</u> Subject TracerTM. This will be added to <u>Entrepreneurial Resources</u> Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

Learning Path: An Introduction to the Model Asset Exchange

https://developer.ibm.com/series/create-model-asset-exchange/

Learn how to use state-of-the-art deep learning models in your applications or services. The Model Asset Exchange on IBM Developer is a place for developers to find and use free, open source, state-of-the-art deep learning models for common application domains, such as text, image, audio, and video processing. The curated list includes deployable models that you can run as a microservice locally or in the cloud on Docker or Kubernetes, and trainable models where you can use your own data to train the models. This will be added to Artificial Intelligence Resources Subject TracerTM. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

Worldbridges - Community of Communities

http://www.worldbridges.net/main

Worldbridges is a network of individuals and organizations that use live, interactive webcasting and other new media technologies to help people connect, learn, & collaborate. Their 'community of communities' includes: EdTechTalk.com, Koreabridge.net, PuentesalMundo.net, Webheadsinaction.org, WebcastAcademy.net, EFLBridges.net, and many other sites in various states of development. This will be added to <u>Education Resources</u> Subject TracerTM. This will be added to <u>Business</u> <u>Intelligence Resources</u> Subject TracerTM. This will be added to <u>Entrepreneurial Resources</u> Subject TracerTM. This will be added to the tools section of <u>Research Resources</u> Subject TracerTM.

Let's Remote - Work From Anywhere

https://letsremote.io/

Let's Remote is a fast growing community to find quality open & remote job opportunities, from the world's leading tech companies like Gitlab and Twilio. This will be added to Employment Resources Subject TracerTM. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to the tools section of Resources Subject TracerTM.

Entrepreneur's Handbook

https://entrepreneurshandbook.co/

How to succeed in entrepreneurship; feat. founder stories, design articles, and startup deep dives that inspire your entrepreneurial journey. Entrepreneur's Handbook is a



carefully selected collection of interviews with creative founders, stories about millionaires who help people, and practical advice to help tomorrow's entrepreneurs. This will be added to <u>Business Intelligence Resources</u> Subject TracerTM. This will be added to <u>Entrepreneurial Resources</u> Subject TracerTM. This will be added to the tools section of <u>Research Resources</u> Subject TracerTM.

Internet Research Steering Group (IRSG)

https://irtf.org/irsg

The IRTF is managed by the IRTF Chair in consultation with the Internet Research Steering Group (IRSG). The IRSG membership includes the IRTF Chair, the chairs of the various Research Groups, and other individuals ("members at large") from the research or IETF communities. IRSG members at large are chosen by the IRTF Chair in consultation with the rest of the IRSG and on approval by the IAB. In addition to managing the Research Groups, the IRSG may from time to time hold topical workshops focusing on research areas of importance to the evolution of the Internet, or more general workshops to, for example, discuss research priorities from an Internet perspective. The IRSG also reviews and approves documents published as part of the IRTF Document Stream (RFC 5743). The current IRSG membership includes the IRTF Chair, 29 Research Group Chairs and 6 At-Large Members. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

TAYL

https://www.tayl.app/

TAYL read and deliver your articles faster than humanly possible by using state of the art machine learning. The resulting audio is very close to human performance, and will improve continuously. Select from 180+ voices in 30+ languages with even more to come soon. Your content deserves a good voice! Features include: 1) Declutter the web -Get the browser extension for Chrome and Firefox to clean websites from ads & clutter, so you can focus on what matters while reading; 2) 180+ voices in 30+ languages -Listening is a matter of preference, so we give you the option to pick and choose from a great variety of voices with even more to come; 3) There's an app for that - Get TAYL for iOS or Android to bring your content while on the move. The apps are free to download, just sign in to get started; 4) Reliable & instant results - TAYL was built using only highend premium components throughout. Expect quick results of amazing quality no matter what hour; 5) 1,500+ integrations - Easily connect TAYL with GMail, Slack, Mailchimp, Typeform, Twitter and thousands of other apps via the Zapier extension. No coding required; 6) Unlimited cloud storage - You do not have to think about storage space. Never delete any recording, unless you want to. Keep a full-text copy of everything you save; 7) Security & privacy - Your data on our service is encrypted using industry standards for cloud computing. We value user privacy and are GDPR compliant; 8) Public roadmap - We believe in transparency and openly share our roadmap for the product, discuss all parts of development and share what we learn; and 9) Unrivalled



customer service - Behind all these amazing machines is a very small team dedicated to improving the service by talking with you. This will be added to <u>Business Intelligence</u> <u>Resources</u> Subject TracerTM. This will be added to <u>Entrepreneurial Resources</u> Subject TracerTM. This will be added to the tools section of <u>Research Resources</u> Subject TracerTM.

Statistics in Schools: History Activities

https://www.census.gov/programs-surveys/sis/activities/history.html

From the U.S. Census Bureau's Statistics in Schools (SIS) program comes this collection of classroom history and social studies activities intended to "supplement the standard curriculum while providing useful learning tools related to real life data." This collection features well-developed activity plans for K-12 students, each focused on a specific topic. Activities are broadly grouped into grade-level appropriate subjects: elementary grades (e.g. "Jamestown - Factors Affecting Population Change, 1630-1700"), middle school (e.g. "Where Should I Live? Using U.S. Census Bureau Data to Make Decisions"), and high school (e.g. "19th Century Immigration - Causes & Effects"). The webpage for each activity gives a description, states the time and materials required, and provides a list of learning objectives. Some activities also take advantage of the Census Bureau's interactive digital tools, such as QuickFacts. Each lesson includes attractively designed and downloadable PDFs of teacher and student versions of the activity. This will be added to Education Resources Subject TracerTM. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM. Copyright © 2017 Internet Scout Research Group - http://scout.wisc.edu

DIF Identity Ecosystem

https://identity.foundation/

Together we're building a new identity ecosystem. Join us in developing the foundational components of an open, standards-based, decentralized identity ecosystem for people, organizations, apps, and devices. DIF is an engineering-driven organization focused on developing the foundational elements necessary to establish an open ecosystem for decentralized identity and ensure interop between all participants. Their Focus includes: a) Technical Specifications - Groups in DIF develop specifications and emerging standards for protocols, components, and data formats that implementers can execute against; b) Reference Implementations - Beyond specifications, DIF members develop open source reference implementations of the technical components and protocols they create; and c) Industry Coordination - As the leading industry organization in the Decentralized Identity space, DIF seeks to align industry participants to advance their common interests. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.



Google Data Studio

https://datastudio.withgoogle.com/

Your data is beautiful. Use it. Unlock the power of your data with interactive dashboards and automated reports that inspire smarter business decisions. Features include: 1) Unite your data in one place - Easily import and visualize your data from spreadsheets, Google Analytics, Google Ads, BigQuery, and many other dashboards or databases. See up-todate reports for multiple projects and data sources in one easy interface. Integrated with over 150 cloud, SQL, e-commerce, and digital advertising platforms, 2) Explore the data - Transform your advertising performance and other data into easy-to-understand reports and dashboards that fit your business intelligence needs. Monitor your progress for the business metrics you care about, including ad spend, site traffic, search rankings, and more; 3) Tell impactful stories - Create and share data visualizations that automatically turn numbers into insights through engaging charts and graphs. Easily understand your ROI from your business initiatives and digital advertising spend; and 4) Empower your teams - Share marketing and business data with your teams in real time so that everyone can find the answers they need. Boost productivity across teams by helping them access the business data they need to work better cross-functionally. When everyone on the team understands what's impacting the big picture, in real time, and works together to drive better data-driven results — that's teamwork. This will be added to Online Research Browsers white paper. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

Atlas Network - Global Directory

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

Explore their expansive directory of 483 partners and think tanks in 97 countries around the globe. The strengths of our

dedicated partners have created some of the world's greatest improvements in freedom. This will be added to <u>Directory Resources</u> Subject TracerTM. This will be added to <u>Education and Academic Resources</u> Subject TracerTM. This will be added to <u>Business Intelligence Resources</u> Subject TracerTM. This will be added to <u>Entrepreneurial Resources</u> Subject TracerTM. This will be added to the tools section of <u>Research Resources</u> Subject TracerTM.

FusionCharts - Build Beautiful Web and Mobile Dashboards

https://www.fusioncharts.com/

With their interactive and responsive charts, extensive documentation, consistent API, and cross-browser support - your next great dashboard starts here! 100+ Interactive Charts & 2,000+ Data-driven Maps. Get ready-to-use code for all variations of popular charts like Bar, Column, Line, Area and Pie; or domain specific charts like Treemaps, Heatmaps, Gantt Charts, Marrimekko Charts, Gauges, Spider Charts, Waterfall Charts and many more! Not a big fan of vanilla JavaScript? They have got you covered - FusionCharts comes with open-source plugins for popular front-end frameworks like React, AngularJS, Vue, ¡Query, Ember; and back-end frameworks like PHP, ASP.NET,



Java, Diango and Ruby on Rails. Whether it's their getting started guides, chart tutorials, or API reference, they have made them as detailed as possible and added lots of realworld examples. 15 minutes is all you need to create your charts with FusionCharts. Making the developer's life effortless while delivering industry grade solution. Additional features: a) Comprehensive documentation - Whether it's our Getting Started guides, chart tutorials, or API reference, we've made them as detailed as possible and added lots of real-world examples. 15 minutes is all you need to create your charts and dashboards with FusionCharts; b) Direct support from developers - Need a hand configuring or customizing your charts? Their customer success team is here to help. Connect with them on chat, post your query on our forum or just send us a screenshot of the chart you want and they will help you build it instantly; and c) Quick Integrations with all tech stacks - They provide integrations for all popular front-end libraries and back-end languages. Be it React, Angular, Vue, ¡Query, Java, .NET or PHP, get started in less than 15 minutes. This will be added to Business Intelligence Resources Subject TracerTM. This will be added to Entrepreneurial Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

PageProbe - Automatic Page Monitor

https://nodetics.com/pageprobe/

PageProbe WebExtension can monitor any web pages you can access on the Internet or in your company intranet. By simply right-clicking the content you see on a page, you can quickly create a tracker with optional conditions and actions and then view the status of those trackers in a simple monitoring view. By clicking the extension icon you can see a nice overview of all your trackers and the data retrieved. Trackers can be easily organized into groups. They believe that people are evaluating the things they monitor based on certain conditions and when those conditions are met, they will take action. For example, the price of the television that you want will drop below certain price. They believe that when this kind of tracking of many things happens manually every day, it is a huge waste of time and you can easily miss good discounts, buying or selling opportunities and as a result can also lose money. Therefore most of content monitoring should be easily automated so that an application will monitor the things you have defined, evaluates the results based on the conditions you have defined and then notifies you when those conditions are met so that you can take action. Features include: 1) Unlimited number of trackers that can monitor any accessible page on the Internet or intranet; 2) Fully local solution - does not require an account; 3) Trackers can be organized into a tree based hierarchy of groups; 4) Converters allow you to easily transform strings to numbers and perform simple arithmetic on them; 5) Advanced conditions for trackers: contains text, doesn't contain text, contains all words, doesn't contain words, contains any words, contains any words that start with, matches regexp, is, is not, begins with text, ends with text, smaller than, smaller than or equal, greater than, greater than or equal, is going up, is going down, has changed; 6) Case sensitive and case-insensitive matching; 7) Advanced actions: show desktop notification, play audio (local or URL), set color/CSS for monitor column/row, HTTP POST, IFTTT, data history logging, event log entry; 8) Data history logging will allow you to see with a simple chart how the value of some item has

changed over time; 9) Export tracker table as Excel; and 10) Supports also cron / crontab style advanced scheduling! This will be added to <u>Business Intelligence Resources</u> Subject TracerTM. This will be added to <u>Entrepreneurial Resources</u> Subject TracerTM. This will be added to the tools section of <u>Research Resources</u> Subject TracerTM. This will be added to <u>Current Awareness Tools</u> white paper.

The Name Finder Toolbox

https://www.namerobot.com/toolbox

Name generators are like books in the library. Word pure - random results back. This might be enough for the name of the leisure group. But if you are seriously looking for a name, e.g. for a company or an important project, you want to find the best possible name. The NameRobot Toolbox offers over 150 name generators and practical tools to work on the perfect name. Quickly find your favorite generators that will find names according to your ideas. Whether you're looking for a fantasy name, want to creatively change a word, or want to find a melodious blend of words. Try it out! This will be added to Business Intelligence Resources Subject TracerTM. This will be added to the tools section of Research Resources Subject TracerTM.

AwarenesswatchTM Paper Review

The Crowd in Crowdsourcing: Crowdsourcing as a Pragmatic Research Method by Lina Eklund, Isabell Stamm, Wanda Katja Liebermann

Abstract

Crowdsourcing, as a digital process employed to obtain information, ideas, and solicit contributions of work, creativity, etc., from large online crowds stems from business, yet is increasingly used in research. Engaging with previous literature and a symposium on academic crowdsourcing this study explores the underlying assumptions about crowdsourcing as a potential academic research method and how these affect the knowledge produced. Results identify crowdsourcing research as research about and with the crowd, explore how tasks can be productive, reconfiguring, and evaluating, and how these are linked to intrinsic and extrinsic rewards, we also identify three types of platforms: commercial platforms, research-specific platforms, and project specific platforms. Finally, the study suggests that crowdsourcing is a digital method that could be considered a pragmatic method; the challenge of a sound crowdsourcing project is to think about the researcher's relationship to the crowd, the tasks, and the platform used.



Subject TracerTM Information Blogs

Subject TracerTM Information Blogs created and developed by the Virtual Private LibraryTM combine the best of the latest tools on the Internet. Using bots, blogs and news aggregators the Subject TracerTM 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 TracerTM Information Blogs:

Virtual Private LibraryTM

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/

RestStressTM 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/



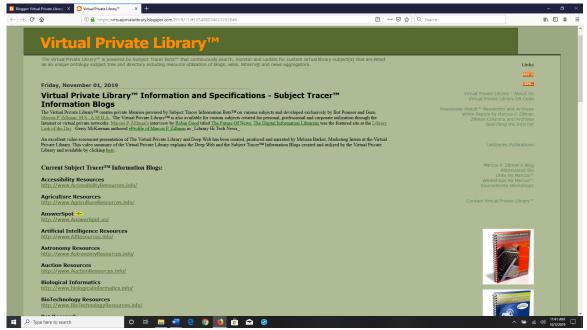


Figure 1: Virtual Private LibraryTM

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 TracerTM 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/

Internet MiniGuidesTM

http://www.InternetMiniguide.com/



Awareness WatchTM Newsletter

http://www.AwarenessWatch.com/

Marcus P. Zillman's Columns

http://www.ZillmanColumns.com

LinkSeries Publications

http://www.LinkSeries.com/

Links By MarcusTM

http://www.LinksByMarcus.com/

Workshops By MarcusTM

http://www.WorkshopsByMarcus.com/

SourceSeries Internet Research Workshops

http://www.SourceSeries.com/

Watch MarcusTM

http://www.WatchMarcus.com/

listen to marcusTM

http://www.ListenToMarcus.com

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

2019 Directory of Directories

http://www.2019DirectoryOfDirectories.com/

Academic and Scholar Search Engines and Sources

http://www.ScholarSearchEngines.com/

Bots, Blogs and News Aggregators 2020

http://www.BotsBlogs.com/

Business Intelligence Online Resources 2018

http://www.BIOnlineResources.info/

Cloud Computing Resources Primer 2018

 $\underline{http://www.zillman.us/white-papers/grid-distributed-and-cloud-computing-resources-primer/}$



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 2020 Online White Paper http://DeepWeb.us/

eMarketing MiniGuide 2019

http://www.eMarketingMiniGuide.com/

eReference Library Link Toolkit 2018

http://www.eReferenceLibrary.com/

Finding Experts By Using the Internet 2019

http://www.FindingExperts.info/

Finding People Resources and Sites 2019

http://www.FindingPeople.info/

Healthcare Bots and Subject Directories 2019

http://www.HealthcareBots.info/

Knowledge Discovery Resources 2019

http://www.KDResources.info/

New Economy Resources 2020

http://www.NewEconomyResources.com/

Online Research Browsers 2019

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 2019 http://www.zillman.us/white-papers/using-the-internet-as-a-dynamic-resource-tool-for-knowledge-discovery/



Web Data Extractors 2020

http://www.WebDataExtractors.com/

Web Guide for the New Economy 2019

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 TracerTM 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 <u>LinkSeries Publication</u> 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 TracerTM 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.

