

Knowledge Discovery Resources and Tools 2021

By

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The March 2021 Zillman Column features **Knowledge Discovery Resources and Tools 2021** and is a comprehensive listing of knowledge discovery resources, sites and tools on the Internet and available in the new “zoom” education age. These competent knowledge discovery resources and tools will be your search engine for your research. The below list of sources is taken from his Subject Tracer™ Information Blog titled Knowledge Discovery Resources 2021 and is constantly updated with Subject Tracer™ bots at the following URL:

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

These resources and sources will help you to discover the many pathways available to you through the Internet to find the latest knowledge discovery resources, sources and sites.

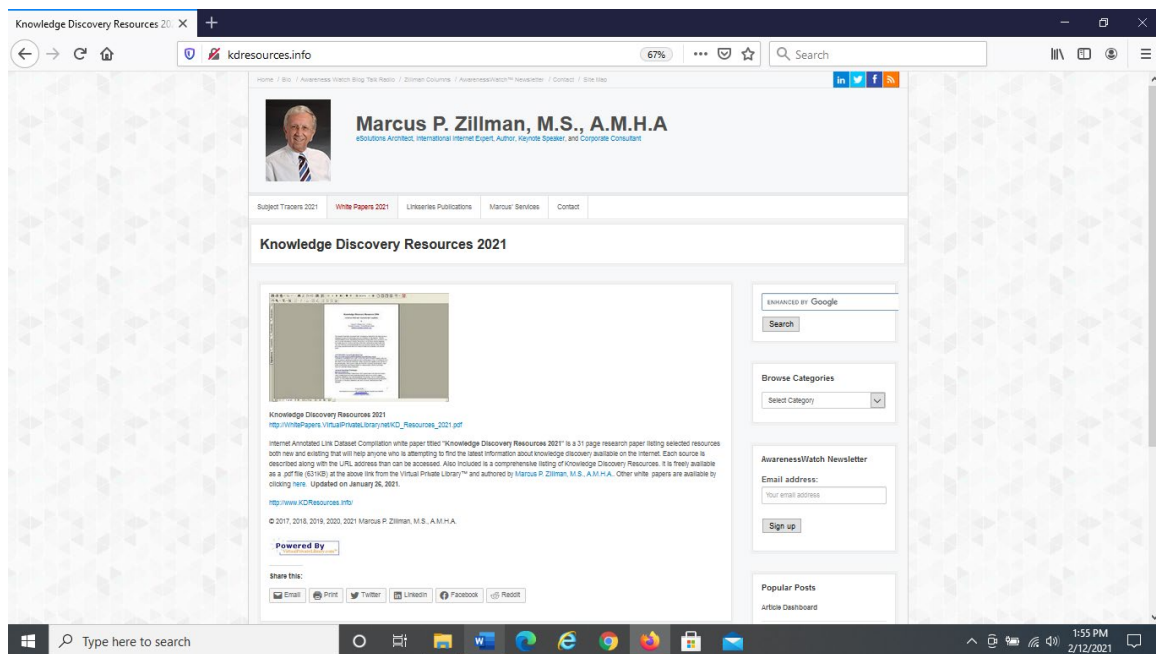


Figure 1: Knowledge Discovery Resources 2021

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March 2021 Zillman Column – Knowledge Discovery Resources and Tools 2021

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Knowledge Discovery Resources and Tools 2021:

ACM SIGKDD: Current Explorations Issue

<http://www.kdd.org/explorations/issue.php?issue=current>

Explorations is published twice yearly, in June/July and in December/January each year. The newsletter is distributed in hardcopy form to all members of the ACM SIGKDD. It is also sent to ACM's network of libraries. Online versions are available on the web free to the general public. Their goal is to make the SIGKDD Newsletter an informative, rapid means of publication and dynamic forum for communication with the Knowledge Discovery and Data Mining community.

BAYESIA: Bayesian Networks and Data Mining Tool

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

The Bayesian Network approach merges and supersedes existing approaches coming from Artificial Intelligence and Data Mining, both symbolic and statistical ones. Bayesian Networks are rigorously justified, provide a distributed knowledge representation, and are as understandable as a rule base. They deal particularly well with uncertainty, and they can be manually generated by consultation of an expert, or inductively built by machine learning.

Creative Commons RDF-Enhanced Search

<http://search.creativecommons.org/>

This search engine will help you find photos, music, text, books, educational material, and more that is free to share or build upon. Copyright applies fully and automatically to any work. a photograph, a song, a web page, an article, pretty much any form of expression, the moment it is created. This means that if you want to copy and re-use a creative work you find online, you usually have to ask the author's permission. This "all rights reserved" protection is good thing for many authors and artists. But what about those who want you to use their work freely without permission -- but on certain conditions? This search engine helps you quickly find those authors and the work they have marked as free to use with only "some rights reserved." If you respect the rights they have reserved (which will be clearly marked, as you'll see) then you can use the work without having to contact them and ask. In some cases, you may even find work in the public domain -- that is, free for any use with "no rights reserved."

Conceptual Graphs

<http://conceptualgraphs.org/>

Conceptual graphs (CGs) are a system of logic based on the existential graphs of Charles Sanders Peirce and the semantic networks of artificial intelligence. They express meaning in a form that is logically precise, humanly readable, and computationally tractable. With their direct mapping to language, conceptual graphs serve as an intermediate language for

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translating computer-oriented formalisms to and from natural languages. With their graphic representation, they serve as a readable, but formal design and specification language. CGs have been implemented in a variety of projects for information retrieval, database design, expert systems, and natural language processing.

Data Mining Resources 2021

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

A Subject Tracer™ Information Blog developed and created by Internet expert, author, keynote speaker and consultant Marcus P. Zillman, M.S., A.M.H.A. for monitoring data mining resources and sites on the Internet.

Data Mining : White Papers, Webcasts and Product Information

<http://www.bitpipe.com/tlist/Data-Mining.html>

Research the latest Data Mining technologies, tools and techniques. Read white papers, case studies, webcasts and product information from multiple vendors .

Deep Web Research and Discovery Resources 2021

<http://DeepWeb.us/>

Web search guru **Marcus P. Zillman's** guide extensively documents resources that include articles, books, websites, presentations, search engines, and technology applications that facilitate the challenging task of accessing information, published in many formats, that encompass the hundreds of millions of pages comprising the "deep web."

Explore Open Archives

<http://opcit.eprints.org/exploresearchives.shtml>

This site lists and comments on other lists of individual open archives. This list and its categorisation gives a broad overview of the structure, size and progress of full-text open access eprint archives. This list will be maintained and updated as far as is possible, and is intended to assist further quantitative research on the open access eprint phenomenon for those who want to measure the growth and quality of open access eprint archives.

GMDH - Group Method of Data Handling

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

Group Method of Data Handling was applied in a great variety of areas for data mining and knowledge discovery, forecasting and systems modeling, optimization and pattern recognition. Inductive GMDH algorithms give possibility to find automatically interrelations in data, to select optimal structure of model or network and to increase the accuracy of existing algorithms. This original self-organizing approach is substantially different from deductive methods used commonly for modeling. It has inductive nature - it finds the best solution by sorting-out of possible variants.



Gurteen Knowledge Website

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

This site acts as a gateway Knowledge Management, Learning, Thinking, Creativity, Personal Mastery; Personal Knowledge Management and the effective use of Technology. The site has been created by and maintained by David Gurteen an UK-based knowledge consultant.

IBM Research - Knowledge Discovery & Data Mining (KDD)

http://researcher.watson.ibm.com/researcher/view_pic.php?id=144

IBM Research has been at the forefront of the exciting new area of Knowledge Discovery & Data Mining (KDD) from the very beginning. Key advances in robust and scalable data mining, methods for fast pattern detection from very large databases, text and web mining, and innovative business intelligence applications have come from our research laboratories. Links to their current projects as well as KDD links are available from this site.

International Workshop on Peer-to-Peer Knowledge Management (P2PKM)

<http://www.p2pkm.org/>

The P2PKM workshop is intended to serve as an active forum for researchers and practitioners, where they will have the possibility to exchange and discuss novel ideas, research results and experiences, laying in the intersection of the P2P, Knowledge Management (KM), Semantic Web, databases, pervasive computing, agents, as well as other related fields.

KDD-2021: 27th ACM SIGKDD Singapore, Conference on Knowledge Discovery and Data Mining,; August 14-18, 2021

<https://www.kdd.org/kdd2021/>

KDD-2020: 26th ACM SIGKDD San Diego Convention Center, San Diego, CA USA, August 22-27, 2020

<http://www.kdd.org/kdd2020/>

KDD-2019: 25th ACM SIGKDD Conference On Knowledge Discovery and Data Mining in Anchorage, Alaska, USA, August 3-7, 2019

<http://www.kdd.org/kdd2019/>

KDD-2018: The 24th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining in London, United Kingdom; August 19-23, 2018

<http://www.kdd.org/kdd2018/>



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KDD-2017: The 23rd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining in Halifax, Nova Scotia, Canada; August 13-17, 2017
<http://www.kdd.org/kdd2017/>

KDD2016 – The 22nd Annual ACM SIGKDD Conference on Knowledge Discovery and Data Mining, August 13 – 17, 2016 San Francisco, California
<http://www.kdd.org/kdd2016/>

KDD 2016 is a premier interdisciplinary conference that brings together researchers and practitioners from data science, data mining, knowledge discovery, large scale data analysis and big data.

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

KDnuggets.com is the leading source of information on Data Mining, Web Mining, Knowledge Discovery, and Decision Support Topics, including News, Software, Solutions, Companies, Jobs, Courses, Meetings, Publications, and more. KDnuggets News has been widely recognized as the leading newsletter on Data Mining and Knowledge Discovery.

Knowledge Discovery 2021
<http://www.KnowledgeDiscovery.info/>

A Subject Tracer™ Information Blog developed and created by Internet expert, author, keynote speaker and consultant Marcus P. Zillman, M.S., A.M.H.A. for monitoring knowledge discovery resources and sites on the Internet.

my Knowledge Explorer (mKE) and the mKR Language
<http://mKRmKE.org/>

my Knowledge Explorer (MKE) is an interactive tool for organizing knowledge. It helps the user to record, change and search knowledge, and provides extensive error checking to ensure the internal consistency of the knowledge. Interaction with mKE uses the mKR language. mKR is a very-high-level knowledge representation language with simple English-like statements, questions and commands, plus UNIX-shell-like variables, methods and control structures.

Megaputer Intelligence – Data Mining and Text Mining Software
<http://www.megaputer.com/>

Megaputer Intelligence Inc., a Delaware corporation established in May of 1997, is a leading developer and distributor of advanced software tools for data mining, text mining, and intelligent e-commerce personalization. Their tools help reveal knowledge hidden in data. They add intelligence and insight to every step of the business decision-making process. The mission of Megaputer is to provide customers around the world with top



quality software tools for transforming raw data into knowledge and facilitating better business decisions.

NELL - Never-Ending Language Learning - Read the Web

<http://rtw.ml.cmu.edu/rtw/>

Can computers learn to read? They think so. "**Read the Web**" is a research project that attempts to create a computer system that learns over time to read the web. Since January 2010, their computer system called NELL (Never-Ending Language Learner) has been running continuously, attempting to perform two tasks each day: •First, it attempts to "read," or extract facts from text found in hundreds of millions of web pages (e.g., playsInstrument(George_Harrison, guitar)). •Second, it attempts to improve its reading competence, so that tomorrow it can extract more facts from the web, more accurately. So far, NELL has accumulated over 50 million candidate beliefs by reading the web, and it is considering these at different levels of confidence. NELL has high confidence in 2,115,119 of these beliefs — these are displayed on this website. It is not perfect, but NELL is learning.

PEPITe S.A.

<http://www.pepite.be/>

PEPITe is a company specialized in intelligent data exploration and knowledge extraction techniques. PEPITe sells Knowledge Discovery in Databases (KDD) solutions. These solutions combine software modules and services. PEPITe offers a complete range of services and products dedicated to industrial Data Mining (DM) applications.

STATISTICA - Data Mining, Data Analysis, Quality Control, and Web Analytics Software

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

StatSoft's flagship product line is the *STATISTICA* suite of analytics software products. *STATISTICA* provides the most comprehensive array of data analysis, data management, data visualization and data mining procedures. Its techniques include the widest selection of predictive modeling, clustering, classification and exploratory techniques in one software platform. Ideal for the knowledge discovery starter kit

The Data Mine

<http://www.the-data-mine.com/>

The Data Mine was launched in April 1994, to provide information about DataMining (AKA KnowledgeDiscoveryInDatabases or KDD). There are 6 separate DataMining topic areas (known as "webs"), each with an index. You could also start with the IntroductionToDataMining. Popular pages include: OnLine Analytical Processing (OLAP) , Data Mining Journals, Data Mining Tutorials, Data Sources. Topic areas



include: Data Mining Software, Data Mining Index, Data Mining General/Misc, People Working in Data Mining, and Data Mining Companies and Organizations.

The Protégé Project

<http://protege.stanford.edu/>

Protégé is an ontology editor and a knowledge-base editor. Protégé is also an open-source, Java tool that provides an extensible architecture for the creation of customized knowledge-based applications. Protégé's OWL Plug-in now provides support for editing Semantic Web ontologies.

WikiPedia – Knowledge Discovery and Knowledge Extraction

http://en.wikipedia.org/wiki/Knowledge_discovery#Knowledge_discovery

Knowledge discovery describes the process of automatically searching large volumes of data for patterns that can be considered knowledge *about* the data. It is often described as *deriving* knowledge from the input data. Knowledge discovery developed out of the Data mining domain, and is closely related to it both in terms of methodology and terminology. The most well-known branch of data mining is knowledge discovery, also known as Knowledge Discovery in Databases (KDD). Just as many other forms of knowledge discovery it creates abstractions of the input data. The *knowledge* obtained through the process may become additional *data* that can be used for further usage and discovery.

UCI Knowledge Discovery in Databases Archive

<http://kdd.ics.uci.edu/>

This is an online repository of *large data sets* which encompasses a wide variety of data types, analysis tasks, and application areas. The primary role of this repository is to enable researchers in knowledge discovery and data mining to scale existing and future data analysis algorithms to very large and complex data sets. The archive is intended to serve as a permanent repository of publicly-accessible data sets for research in KDD and data mining. Note: This web page is no longer maintained as of July, 2009.

YAGO - Semantic Knowledge Base

<http://www.mpi-inf.mpg.de/yago-naga/yago/>

YAGO2s is a huge semantic knowledge base, derived from Wikipedia WordNet and GeoNames. Currently, YAGO2s has knowledge of more than 10 million entities (like persons, organizations, cities, etc.) and contains more than 120 million facts about these entities. YAGO is special in several ways: 1) The accuracy of YAGO has been manually evaluated, proving a confirmed accuracy of 95%. Every relation is annotated with its confidence value; 2) YAGO combines the clean taxonomy of WordNet with the richness of the Wikipedia category system, assigning the entities to more than 350,000 classes; 3) YAGO is an ontology that is anchored in time and space.



Knowledge Discovery/Management and Data Mining

2021 Directory of Directories

<http://www.2021DirectoryOfDirectories.com/>

2021 Guide to Finding Experts by Using the Internet

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

2021 Guide to Finding People Resources and Sites

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

2021 Guide to Internet Privacy Resources and Tools

<http://www.2021InternetPrivacy.com/>

2021 Guide to Searching the Internet

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

2021 New Economy Resources

<http://www.2021NewEconomy.com/>

Academic and Scholar Search Engines and Sources 2021

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

Academic Earth - Thousands of Video Lectures From the World's Top Scholars

<http://academicearth.org/>

ACM SIGKDD: Current Explorations Issue

<http://www.kdd.org/explorations/issue.php?issue=current>

Amazon.com: Managing Knowledge : A Practical Web-Based Approach

<http://www.amazon.com/exec/obidos/ASIN/020143315X/002-5401737-1036049>

Ambient Intelligence: Changing Forms of Human-Computer Interaction and their Social Implications by Mahesh S. Raisinghani*, Ally Benoit, Jianchun Ding, Maria Gomez, Kanak Gupta, Victor Gusila, Daniel Power and Oliver Schmedding

<http://journals.tdl.org/jodi/index.php/jodi/article/viewArticle/149/147>

Annotating All Knowledge

<https://hypothes.is/annotating-all-knowledge/>



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Augmented Data Discovery 2021

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

BAYESIA: Bayesian Networks and Data Mining Tool

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

BLIA Solutions – Weather Predictive Analytics

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

Brainspace – Identify and Investigate What Matters Faster

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

Brint.com - Business Technology - Information Economy - Knowledge Management

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

Center for Automated Learning and Discovery

<http://www.ml.cmu.edu>

ChangeThis - Manifesto

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

Chorus - Clearinghouse for the Open Research of the United States

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

Citavi - Organize Your Knowledge

<http://citavi.com/>

Citizendium - Free Comprehensive and Reliable Repository of Structured Knowledge

<http://en.citizendium.org/>

ClearStory Data - Now You Can See It

<http://clearstorydata.com/>

Comintelli - Software Systems for Competitive Intelligence and Knowledge Management

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

Comparison of Research Networking Tools and Research Profiling Systems

http://en.wikipedia.org/wiki/Comparison_of_Research_Networking_Tools_and_Research_Profiling_Systems



Conzilla - Concept Browser

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

CORE Discovery

<https://core.ac.uk/services/discovery/>

Creative Commons RDF-Enhanced Search

<http://search.creativecommons.org/>

Context Discovery - Text Summarization and Knowledge Discovery Tool

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

DataCite

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

DataFerrett - Data Mining Tool

<http://dataferrett.census.gov/>

Data: Government, State, City, Local and Public

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

Data Mining and Knowledge Discovery

<http://link.springer.com/journal/10618>

Data Mining and Knowledge Discovery in Databases

<http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.42.1071>

Data Mining and Knowledge Discovery Resources for Astronomy in the Web 2.0 Age

https://www.researchgate.net/publication/225273947_Data_mining_and_Knowledge_Discovery_Resources_for_Astronomy_in_the_Web_20_Age

Data Mining and Knowledge Discovery – Wiley Online Library

[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1942-4795](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1942-4795)

Data Mining Resources 2021

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

Data Mining : White Papers, Webcasts and Product Information

<http://www.bitpipe.com/tlist/Data-Mining.html>



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Dataminr - Real-time Information Discovery

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

DatumBox - Classifiers and Natural Language Processors

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

DBpedia Knowledge Base

<http://dbpedia.org/>

Deep Web Research and Discovery Resources 2021

<http://DeepWeb.us/>

Discovery Hub - Exploratory Search Engine Built Upon Wikipedia

<http://discoveryhub.co/>

Evalueserve - Making Your Knowledge Processes Work

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

Explore Open Archives

<http://opcit.eprints.org/exploresearchives.shtml>

Figure Eight – The Essential Data Annotation Platform

<https://www.figure-eight.com/>

Framework for Knowledge Creation - Presentation

<http://www.slideshare.net/johncleveland/framework-for-knowledge-creation>

Free Knowledge Management Software

<http://freeplane.sourceforge.net/>

GMDH - Group Method of Data Handling

<http://gmdh.net>

Gurteen Knowledge Website

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

Helpjuice – Powerful Knowledge Base Software

<https://helpjuice.com/>

IBM Research - Knowledge Discovery & Data Mining

http://researcher.watson.ibm.com/researcher/view_pic.php?id=144



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IET Discover

<http://www.theiet.org/communities/index.cfm>

Insead Knowledge

<http://knowledge.insead.edu/>

Intellexer - Custom Built Search Engines, Knowledge Management Tools, Natural Language Processing

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

International Journal of Knowledge and Learning (IJKL)

<http://www.inderscience.com/jhome.php?jcode=ijkl>

International Journal of Knowledge-Based and Intelligent Engineering Systems

<http://www.kesinternational.org/journal/>

International Journal of Knowledge Discovery in Bioinformatics (IJKDB)

<http://www.igi-global.com/journal/international-journal-knowledge-discovery-bioinformatics/1143>

International Journal of Knowledge Management (IJKM)

<http://www.igi-global.com/journal/international-journal-knowledge-management-ijkm/1083>

International Journal of Knowledge Management Studies (IJKMS)

<http://www.inderscience.com/jhome.php?jcode=ijkms>

International Workshop on Peer-to-Peer Knowledge Management (P2PKM)

<http://www.p2pkm.org/>

InvestigateIX Search Engine and Text Mining Toolbox

<https://www.mandalka.name/investigateix/>

KDD-2012: The 18th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining in Beijing, China, August 12-16, 2012

<http://sigkdd.org/conferences/kdd-2012-august-12-16-2012-beijing-china>

KDD-2014: The 20th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining in New York City, New York, USA August 24-27, 2014

<http://www.kdd.org/kdd2014/>



KDD-2015: The 21st ACM SIGKDD International Conference on Knowledge Discovery and Data Mining in Hilton, Sydney, Australia August 10-13, 2015
<http://www.kdd.org/kdd2015/>

KDD-2016: The 22nd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining in San Francisco, California; August 13-17, 2016
<http://www.kdd.org/kdd2016/>

KDD-2017: The 23rd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining in Halifax, Nova Scotia, Canada; August 13-17, 2017
<http://www.kdd.org/kdd2017/>

KDD-2018: The 24th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining in London, United Kingdom; August 19-23, 2018
<http://www.kdd.org/kdd2018/>

KDD-2019: 25th ACM SIGKDD Conference On Knowledge Discovery and Data Mining in Anchorage, Alaska, USA, August 3-7, 2019
<http://www.kdd.org/kdd2018/>

KDD-2020: 26th ACM SIGKDD San Diego Convention Center, San Diego, CA USA, August 22-27, 2020
<http://www.kdd.org/kdd2020/>

KDD-2021: 27th ACM SIGKDD Singapore, August 14-18, 2021
<http://www.kdd.org/kdd2020/>

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

KM4d - Open Access, Peer-Reviewed, On Knowledge Management In Development
<http://www.km4dev.org/>

KMCI - The New Knowledge Management
<http://www.kmci.org/>

KMNetwork
<http://www.brint.com/km/>

KMWorld
<http://www.kmworld.com/>



Knoema – Data Made Accessible

<https://knoema.com/>

Knowledge and Distributed Intelligence

<http://www.nsf.gov/od/lpa/news/publicat/nsf9860/start.htm>

Knowledge at Wharton

<http://knowledge.wharton.upenn.edu/>

Knowledge Connections Website

<http://www.skyrme.com/index.htm>

Knowledge Discovery and Data Mining – IBM

http://researcher.watson.ibm.com/researcher/view_group.php?id=144

Knowledge Discovery – Knowledge Management

<http://www.knowledge-management-tools.net/knowledge-discovery-and-detection.html>

Knowledge Discovery Resources 2021

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

Knowledge Ecology International (KEI)

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

Knowledge Management Blog

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

Knowledge Management Research and Practice (KMRP)

<http://www.palgrave-journals.com/kmrp/index.html>

KnowledgeTree™ - Make Documents Matter

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

Knowledge Unlatched – Open Access Made Simple

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

Literacy Tool

<http://literacytool.com/>

Megaputer Intelligence

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



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Memonic - Knowledge Management Curation Tool

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

MIT Center for Collective Intelligence

<http://cci.mit.edu/>

NELL - Never-Ending Language Learning - Read the Web

<http://rtw.ml.cmu.edu/rtw/>

Neurence - Intelligent Information Platform

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

Omniity - Knowledge Connected

<https://www.omniity.io/>

OpenClinical - Knowledge Management for Healthcare

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

Open Datasets

<https://github.com/caesar0301/awesome-public-datasets>

<https://www.kaggle.com/datasets>

<https://www.data.gov/>

<https://www.quora.com/Where-can-I-find-large-datasets-open-to-the-public>

<https://aws.amazon.com/public-datasets/>

<https://data.world/>

<http://data.worldbank.org/>

<https://public.enigma.com/>

<http://repository.upenn.edu/mead>

<http://catalog.data.gov/dataset>

Open Educational Resources (OER) Sources 2021

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

Open Graph Viz Platform - Exploratory Data Analysis

<http://gephi.org/>

OpenKM - Knowledge Management

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



Open Knowledge Definition (OKD) - Defining the Open in Open Data, Open Content and Open Information

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

Open Knowledge Foundation

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

Open Knowledge Maps - A Visual Interface To the World's Scientific Knowledge

<http://openknowledgemaps.org/>

Open Science Commons (OSC)

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

OpenText

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

OSTI.gov

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

Paperity - Open Science Aggregated

<http://paperity.org/>

PEPITe S.A.

<http://www.pepite.be/>

Personal Knowledge Management (PKM)

<http://www.jarche.com/pkm/>

Privacy Resources 2021

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

Public Knowledge Project (PKP)

<http://pkp.sfu.ca/>

qri - A New Tool for Data Science

<https://qri.io/>

React-vis Visualization Library

<http://uber.github.io/react-vis/documentation/welcome-to-react-vis>



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

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

Semantic Knowledge Technologies and Language Computation

<http://gate.ac.uk/projects/sekt/>

SIGKDD Explorations

<http://www.kdd.org/explorations/>

Sisense - Data Visualization Tools

<https://www.sisense.com/product/data-visualization/>

Snorkel Project

<https://hazyresearch.github.io/snorkel/>

Software Suites for Data Mining, Analytics, and Knowledge Discovery

<http://www.kdnuggets.com/software/suites.html>

Stack Exchange - Expert Knowledge Exchange

<http://stackexchange.com/>

The Brain - Visual Information Management

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

The Collection of Computer Science Bibliographies

<https://iinwww.ira.uka.de/bibliography/>

The Data Mine

<http://www.the-data-mine.com/>

The Protégé Project

<http://protege.stanford.edu/>

Thinkery - Your brain Organized

<http://thinkery.me/>

Tools for Collaborative Knowledge Management Over Network

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

Topic Research

<https://www.semrush.com/topic-research/>



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Transactions On Knowledge Discovery from Data

<http://tkdd.acm.org/>

Trova - Search Engine for Annotation Content Archived at The Language Archive

<https://tla.mpi.nl/tools/tla-tools/trova/>

Uncovering Epistemological and Ontological Assumptions of Software Designers

<http://arxiv.org/ftp/cs/papers/0406/0406022.pdf>

What Is a VPN - Beginner's Guide to Virtual Private Networks

<https://www.vpnusr.com/what-is-a-vpn/>

WikiPedia – Knowledge Discovery

http://en.wikipedia.org/wiki/Knowledge_discovery#Knowledge_discovery

Wikidata - Free Knowledge Base That Anyone Can Edit

https://www.wikidata.org/wiki/Wikidata:Main_Page

XSEDE - Extreme Science and Engineering Discovery Environment

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

Zeef – Curated Directory for Development and Tech Resources

<https://zeef.com/>

Knowledge Discovery/Retrieval and the World Wide Web

AGTK (Annotation Graph Toolkit)

<https://tla.mpi.nl/tools2/tooltype/annotation/agtk-annotation-graph-toolkit/>

Bloomfire - Simplest Way To Spread Knowledge

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

CLIBU – Information Gathering Made Smarter

<https://clibu.com/>

Creative Commons RDF-Enhanced Search

<http://search.creativecommons.org/>

Current Awareness Tools 2021

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



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Discovery Hub - Exploratory Search

<http://discoveryhub.co/>

Eigenfactor.org - Ranking and Mapping Scientific Knowledge

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

Electronic Journal of Knowledge Management (EJKM)

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

Experiment - Platform for Funding Scientific Discoveries

<https://experiment.com/>

Harvest Information Discovery and Access System

<http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.21.1842>

International Journal of Knowledge and Web Intelligence

<http://www.inderscience.com/jhome.php?jcode=ijkwi>

KEEL (Knowledge Extraction based on Evolutionary Learning)

<http://www.keel.es/>

Konfer – Innovation Brokerage At Your Fingertips

<https://konfer.online/>

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

<http://knowitwall.com/>

Knowledge Blocks - Turn What You Know Into Knowledge You Can Use

<http://knowledge-blocks.com/>

Knowledgespeak - STM Publishing News from Scope eKnowledge Center

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

NELL - Never-Ending Language Learning - Read the Web

<http://rtw.ml.cmu.edu/rtw/>

OntoBroker and Related Initiatives for the Semantic Web

<http://ontobroker.semanticweb.org/>

Primal – Your Interest Network

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



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PubMed

<https://www.ncbi.nlm.nih.gov/pubmed/>

RDF: Resource Description Framework

<http://www.w3.org/RDF/>

RSS Ground - Automate Your Content Discovery and Sharing

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

SameAs.org - Interlinking the Web of Data

<http://sameas.org/>

Scribble – Content That Performs

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

Sciweavers - Academic Bookmarking Network Aggregates Links to Research Papers Preprints

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

Sparrho - Find the Science That Matters To You

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

Strategian - Science Primary Literature

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

The Journal of Brief Ideas

<http://beta.briefideas.org/>

The Klearinghouse: An Inventory of Knowledge Technologies

<http://www.ariadne.ac.uk/issue25/brett/>

The Lemur Toolkit - Language Modeling and Information Retrieval Research

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

The New Knowledge Management: What Does A Collaborative Content Hub Look Like

http://blogs.forrester.com/kate_leggett/12-08-01-the_new_knowledge_management_what_does_a_collaborative_content_hub_look_like



Thinkable - World's First Purpose-built Platform to Mobilize Knowledge & Fund Breakthrough Ideas

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

ThoughtMesh - Publishing and Discovering Scholarly Papers Online

<http://thoughtmesh.net/>

United States Census Bureau Research

<https://www.census.gov/research/>

Universal Data Element Framework (UDEF)

<http://xml.coverpages.org/udef.html>

UnPayWall - Read PayWalled Research Papers for Free

<http://unpaywall.org/>

UseClark - Empowers Your Work by Helping You Obtain and Retain Knowledge

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

Video Lectures - Exchange Ideas and Share Knowledge

<http://videlectures.net/>

Visual Programming Languages Bibliography: A Branch of the Visual Language Research Bibliography

<http://web.engr.oregonstate.edu/~burnett/vpl.html>

Web IR & IE

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

WolframAlpha - Computational Knowledge Engine

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

World Bank Open Knowledge Repository (OKR)

<https://openknowledge.worldbank.org/>

XSEDE – Extreme Science and Engineering Discovery Environment

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

YAGO - Semantic Knowledge Base

<http://www.mpi-inf.mpg.de/yago-naga/yago/>



YourVersion - Real Time Discovery Engine of Relevant Content for Your Personal Interests

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

Zeef – Curated Directory for Development and Tech Resources

<https://zeef.com/>

Subject Tracer™ Information Blogs

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

Virtual Private Library™

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

Accessibility Resources

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

Agriculture Resources

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

AnswerSpot

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

Artificial Intelligence Resources

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

Astronomy Resources

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

Auction Resources

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

Biological Informatics

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



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

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

Business Intelligence Resources
<http://www.BIResources.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/>



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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/>

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/>

Outsourcing/Offshoring Information and Resources

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

Privacy Resources

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

Reference Resources

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

Research Resources

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

RestStress™

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

Script Resources

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

ShoppingBots

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

Social Informatics

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

Statistics Resources and Big Data

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

Student Research

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



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Theology Resources

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

Tutorial Resources

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

World Wide Web Reference

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

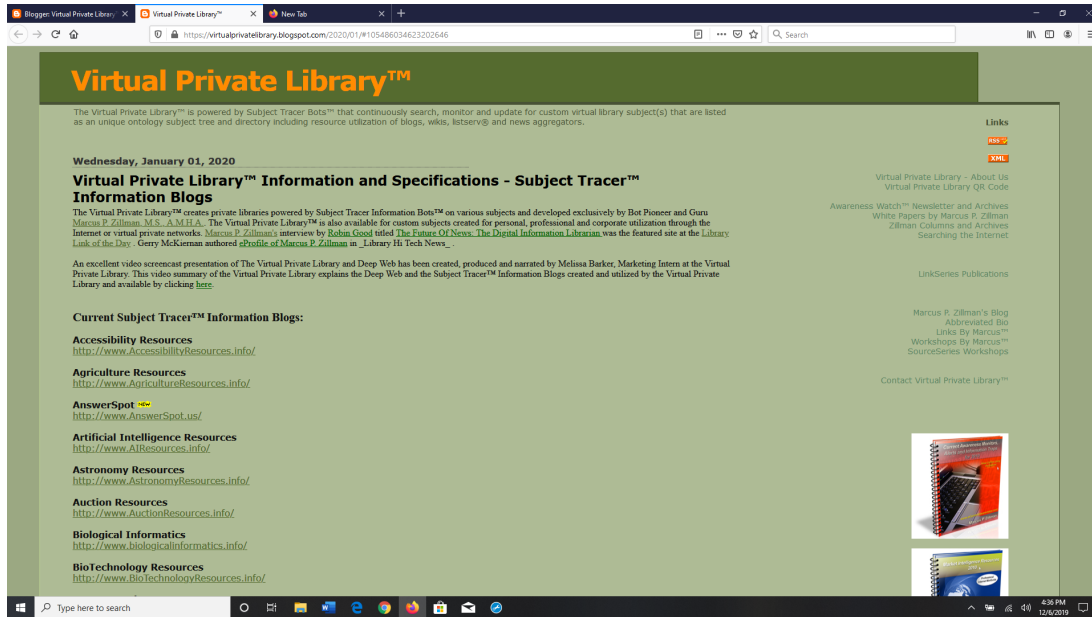


Figure 2: Virtual Private Library™ - <http://www.VirtualPrivateLibrary.org/>

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.:

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

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

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

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

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

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

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

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

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

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

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

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

**Research White Papers, Articles, Lectures and Speeches by Marcus P. Zillman,
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2021 Directory of Directories
<http://www.2021DirectoryOfDirectories.com/>



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2021 Guide to Finding Experts by Using the Internet
<http://www.FindingExperts.info/>

2021 Guide to Finding People Resources and Sites
<http://www.FindingPeople.info/>

2021 Guide to Internet Privacy Resources and Tools
<http://www.2021InternetPrivacy.com/>

2021 Guide to Searching the Internet
<http://www.SearchingTheInternet.info/>

2021 New Economy Resources
<http://www.2021NewEconomy.com/>

Academic and Scholar Search Engines and Sources 2021
<http://www.ScholarSearchEngines.com/>

Bots, Blogs and News Aggregators 2021
<http://www.BotsBlogs.com/>

Business Intelligence Online Resources 2021
<http://www.BIOnlineResources.com/>

Cloud Computing Resources Primer 2021
<http://www.zillman.us/white-papers/grid-distributed-and-cloud-computing-resources-primer/>

Current Awareness Discovery Tools on the Internet 2021
<http://www.zillman.us/white-papers/current-awareness-discovery-tools-on-the-internet/>

Deep Web Research and Discovery Resources 2021 Online White Paper
<http://DeepWeb.us/>

eMarketing MiniGuide 2021
<http://www.eMarketingMiniGuide.com/>

eReference Library Link Toolkit 2021
<http://www.eReferenceLibrary.com/>



Finding Experts By Using the Internet 2021

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

Finding People Resources and Sites 2021

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

Healthcare Bots and Subject Directories 2021

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

Knowledge Discovery Resources 2021

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

New Economy Resources 2021

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

Online Research Browsers and Data Visualization Tools 2021

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

Online Research Tools 2021

<https://www.zillman.us/category/research-resources/>

Online Social Networking 2021

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

Searching the Internet 2021

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

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery 2021

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

Web Data Extractors 2021

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

Web Guide for the New Economy 2021

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

White Papers 2021 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 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.

