

2020 Guide to Web Data Extractors

By

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<http://www.VirtualPrivateLibrary.org>

The November 2019 Zillman Column features the **2020 Guide to Web Data Extractors** and is a comprehensive listing of web data extractors sources and sites on the Internet for the latest competent sources and research. The below list of sources is taken partially from my Subject Tracer™ white paper titled Web Data Extractors 2020 and is constantly updated with Subject Tracer™ bots at the following URLs:

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

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

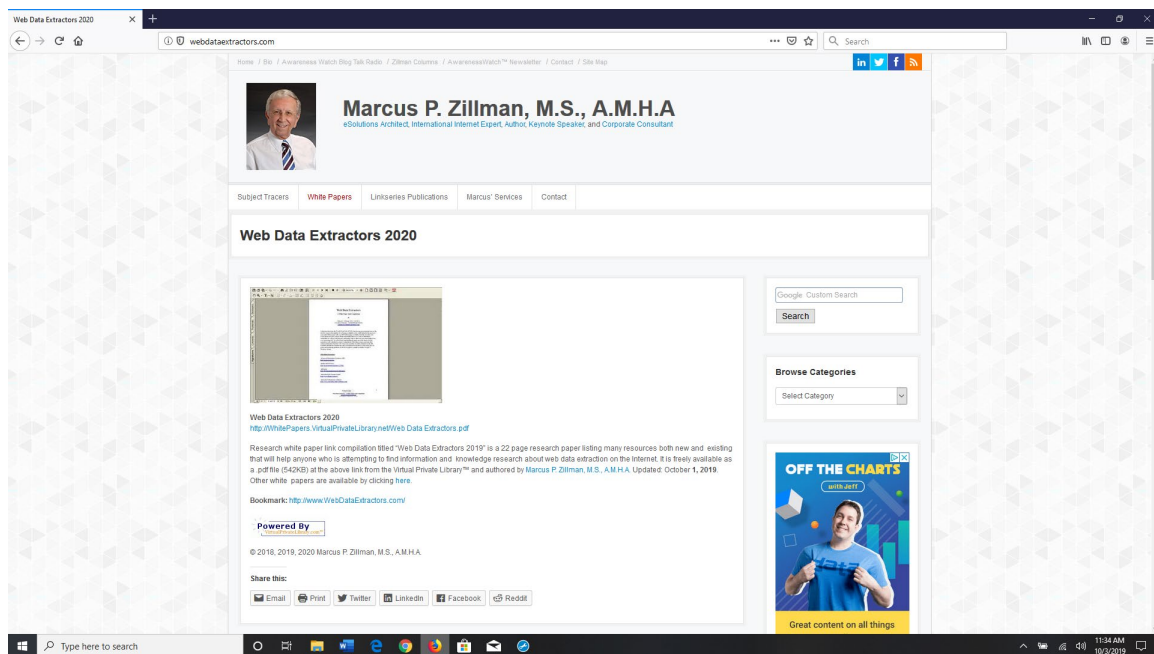


Figure 1: Web Data Extractors 2020

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2020 Guide to Web Data Extractors:

80legs - Powerful and Economical Service Platform for Crawling and Processing Web Content

<http://www.80legs.com/>

Agenty – Hosted Web Scraping Tool

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

Anthracite

<http://freecode.com/projects/anthracite>

Apify – Web Scraping Platform for Coders

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

Aristo - Answer Questions with a Knowledgeable Machine

<http://allenai.org/aristo/>

artoo.js - The Client-Side Scraping Companion

<http://medialab.github.io/artoo/>

AutoMate - Automate Data Extraction

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

Automated RSS Scraper Scripts

<http://www.djeaux.com/rss/>

Automated Information Solutions

<http://www.automated-info-solutions.com/>

Automatic Information Extraction From Semi-Structured Web Pages By Pattern Discovery

<http://portal.acm.org/citation.cfm?id=640423&dl=ACM&coll=portal>

Beautiful Soup

<http://freecode.com/projects/beautifulsoup>

Beautiful Soup - HTML/XML Parser for Quick Turnaround Screen Scraping and Web Data Extraction

<http://www.crummy.com/software/BeautifulSoup/>



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bli solutions Weather Predictive Analytics
<http://www.biasolutions.com/>

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

BYU Data Extraction Research Group
<http://www.deg.byu.edu/>

Captiva Software: OpenText Captiva – Capture and Transform Content
<http://www.emc.com/enterprise-content-management/captiva/captiva.htm>

Client-Side Deep Web Data Extraction
<http://www.tic.udc.es/~mad/publications/ceceast2004.pdf>

CloudScrape – Extract, Enrich and Connect
<http://www.cloudscrape.com/>

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

Common Crawl
<http://www.commoncrawl.org/>

Connotate – Web Data Extraction and Monitoring
<http://www.connotate.com/>

ContextMiner - Tools to Collect Data, Metadata and Contextual Information
<http://www.contextminer.org/>

cQuery - Content Query Engine
<http://cquery.com/>

CrawlMonster
<http://www.crawlmonster.com/>

Crawly
<http://crawly.diffbot.com/>

Create a Crawler - Extract Data From an Entire Website
<https://www.import.io/>



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cURL groks URLs - Command Line Tool for Transferring Data
<http://curl.haxx.se/>

Data Extraction Services
<http://www.dataextractionservices.com/>

DataHen – Advanced Web Scraping and Data Extraction Services
<https://www.datahen.com/>

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

Data Miner – Extract Data From any Website in Seconds
<https://data-miner.io/>

Dataminr - Real-time Information Discovery
<http://www.dataminr.com/>

Data Scraper – Easy Web Scraping with Google Chrome
<https://chrome.google.com/webstore/detail/data-scraper-easy-web-scr/nndknejnldbdbepjfgmncbggmopgden?hl=en-US>

DataSift - Powerful Social Data Platform
<http://datasift.com/>

Data Toolbar – Web Data Extraction Software Made Simple
<http://datatoolbar.com/>

DataWatch Monarch – Self-Service Data Preparation
<http://www.datawatch.com/>

DataWrangler - Data Cleaning and Transformation Tool
<http://vis.stanford.edu/wrangler/>

Deep Web Research 2020
<http://www.DeepWebResearch.info/>

DEiXTo – Powerful Web Data Extraction Tool Based on W3C DOM
<http://deixto.com/>



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dexi.io – Web Data Processing for Professionals – Extract, Enrich and Connect
<https://dexi.io/>

DiffBot AI – Web Data Extraction Using Artificial Intelligence
<http://www.DiffBot.com/>

Diggernaut - Data Scraping - Turn Website Content Into Datasets
<https://www.diggernaut.com/>

Digital Footprints - Collect Facebook Data
<http://digitalfootprints.dk/>

DiscoverText - Import, Sort, Distribute and Analyze Electronic Content from eMail,
Document Repositories, and Social Media
<http://discovertext.com/>

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

Easy Web Extract – Best Tool for Web Scraping
<http://webextract.net/>

eGrabber - Data Capture Tools
<http://www.egrabber.com/>

Facepager - Fetching Public Data From Facebook
<https://github.com/strohne/Facepager>

Ficstar Software - Web Data Extraction
<http://www.ficstar.com/>

File Information Tool Set (FITS)
<https://projects.iq.harvard.edu/fits>

FMiner – Web Scraping Software
<http://www.fminer.com/>

Fresh WebSuction
<http://www.freshwebmaster.com/>



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GetData.io - Get Valuable Data from the Web in 3 Steps

<https://getdata.io/>

Grepsr – Web Scraping Made Simple, Fast and Manageable

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

Helium Scraper

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

How to Scrape Data from a Website Using Python

<https://www.codementor.io/oluwagbengajoloko/how-to-scrape-data-from-a-website-using-python-n3fmtc63q>

Huginn - Your Agents Are Standing By

<https://github.com/cantino/huginn>

Hunter - Connect With Anyone

<https://hunter.io/>

HYPHE - Web Corpus Curation Tool Featuring A Research-Driven Web Crawler

<http://hyphe.medialab.sciences-po.fr/>

iMacros – Data Extraction

<http://imacros.net/overview>

Imagination Engines

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

Import.io - Turn the Web Into Data With Extractors, Crawlers and Connectors

<https://import.io/>

InfoExtractor - Extracts Relevant Information from Blogs, YouTube and Twitter

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

Information Retrieval (IR) and Information Extraction (IE) on the Web

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

Introduction to Information Retrieval

<http://www-nlp.stanford.edu/IR-book/>



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Introduction to Web Scraping Using Python

<https://github.com/qut-dmrc/web-scraping-intro-workshop>

iRobotSoft – Visual Web Scraping and Web Automation

<http://irobotsoft.com/>

iWeb Scraping Services

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

Jaspersoft® ETL - The Open Source Data Integration Platform

<https://community.jaspersoft.com/project/jaspersoft-etl>

Junar - Discovering Data

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

Karma - Data Integration Tool

<http://www.isi.edu/integration/karma/>

Knowledge Discovery Resources 2020

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

Knowlesys® - Web Data Extraction, Web Grabber and Screen Scraper

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

Liberty Metrics – Web Scraping Services

<http://libertymetrics.com/>

LingPipe – Information Extraction and Data Mining Tools

<http://alias-i.com/lingpipe/>

Listly - Fully Automated Web Scraping Service

<http://listly.io/>

Metadata Extraction Tool

<http://meta-extractor.sourceforge.net/>

Mozenda – Comprehensive Web Data Gathering

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

Netlytic - Making Sense of Online Conversations

<https://netlytic.org/home/>



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Newprosoft – Web Data Extraction Software
<http://newprosoft.com/>

Octoparse – Automated Web Scraping Software
<http://www.octoparse.com/>

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/>

OutWit Hub - Harvest the Web With Your Own Web Collection Engine
<http://www.outwit.com/>

ParseHub – Web Crawling Using Machine Learning
<http://www.ParseHub.com/>

Pervasive Data Management and Integration Products
<http://www.pervasive.com/>

Priceonomics - Crawl Data From the Web
<http://priceonomics.com/>

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

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

Quick Code
<https://quickcode.io/>

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



REBOL Technologies
<http://www.rebol.com/>

ReVerb - Open Information Extraction Software
<http://reverb.cs.washington.edu/>

ScrapeForge
<http://freecode.com/projects/scrapeforge>

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

Sequentum – Unlock the World’s Largest Data Source
<https://sequentum.com/>

ScrapeHero
<https://www.scrapehero.com/>

Scraper
<http://freecode.com/projects/scraper>

ScrapingHub – Cloud Based Data Extraction Tool
<http://www.ScrapingHub.com/>

Scraping Solutions – When the Solution You Seek Seems Impossible
<https://www.scrapingsolutions.com.au/>

Scrapy – Open Source Web Scraping Framework for Python
<http://scrapy.org/>

Screen-Scraper
<http://freecode.com/projects/screenscraper>

Screen-Scraper – Extracts Information From Web Sites
<http://www.Screen-Scraper.com/>

Screenscraping the Senate by Paul Ford
<http://www.xml.com/pub/a/2004/09/01/hack-congress.html>

Search and Replace with TextPipe Pattern Matching
<http://www.datamystic.com/textpipe.html>



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Sensible Code

<http://sensiblecode.io/>

Social Media Data Collection Tools

<http://socialmediadata.wikidot.com/>

Software for Web Scraping

<http://scraping.pro/software-for-web-scraping/>

Spinn3r - Indexing the Blogosphere

<http://docs.spinn3r.com/#overview>

SPSS Modeler

<http://developer.ibm.com/predictiveanalytics>

Squirro - Find, Remember, Organize and Share Important Information

<https://squirro.com/>

STACKS - Social Media Tracker, Analyzer, & Collector Toolkit at Syracuse

<https://github.com/bitlabsyr/stack>

TadaWeb - Clone and Amplify Human Intelligence for Web Data Collection and Analysis

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

TextConverter 4

<https://www.simx.com/simx/TC-Overview.stp?>

TextRazor - Text Analysis Infrastructure

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

Topicgrazer - Graze On Web Pages and Documents

<http://www.topicscape.com/Topicgrazer/help.php>

UiPath – Web Data Extraction

<https://www.uipath.com/guides/web-data-extraction>

Unit Miner - Web Data Extraction Software

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



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VietSpider

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

Visual Web Ripper – Data Extraction Software

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

Visual Web Task

<http://www.lencom.com/VisualWTSite.html>

Voogy – Anonymous Website Visitor Tracker

<https://voogy.com/>

W3C Publishes Data Extraction Language (DEL) as W3C Note

<http://xml.coverpages.org/ni2001-11-06-a.html>

Web Content Extractor

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

Web Data Extraction

<https://www.wintask.com/web-data-extraction-feature/>

Web Data Extraction Software Data Toolbar

<https://webdataextractionsoftwaredatatoolbar.en.softonic.com/>

Web Data Extractor

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

Web Data Extractor

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

Web Data Extractor

<http://fivesmallq.github.io/web-data-extractor>

Web Data Extractor

<http://www.lantechsoft.com/web-data-extractor.html>

Web Data Extractors 2020

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

Web Data Guru – Web Data Extraction and Scraping Services

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



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Web-Harvest – Open Source Web Data Extraction Tool
<http://web-harvest.sourceforge.net/index.php>

Webhose.io – Web Data For Your Business
<http://www.webhose.io/>

Web Robots – Web Scraping and Crawling
<https://webrobots.io/>

Web Scraper
<http://www.webscraper.io/>

Web Scraping – Wikipedia
https://en.wikipedia.org/wiki/Web_scraping

Website Data Extractor – Time to Rethink Web Scraping
<http://www.kofax.com/>

Website Downloader
<https://websitedownloader.io/>

Website Extractor – Offline Browser
<http://www.internet-soft.com/extractor.htm>

WebSunDew – Advanced Web Scraping Tool
<http://www.websundew.com/>

Wikimedia Public Data Dumps
http://meta.wikimedia.org/wiki/Data_dumps

WinAutomation
<http://www.winautomation.com/>

XRay Web Scraping Tool
<http://freecode.com/projects/xrayguibasedwebscrapingtool>

YaCy Web page Indexer
<http://freecode.com/projects/yacy>



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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/>

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/>



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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/>

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/>



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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/>



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Outsourcing/Offshoring Information and Resources

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

Privacy Resources

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

Reference Resources

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

Research Resources

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

RestStress™

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

Script Resources

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

ShoppingBots

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

Social Informatics

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

Statistics Resources and Big Data

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

Student Research

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

Theology Resources

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

Tutorial Resources

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

World Wide Web Reference

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



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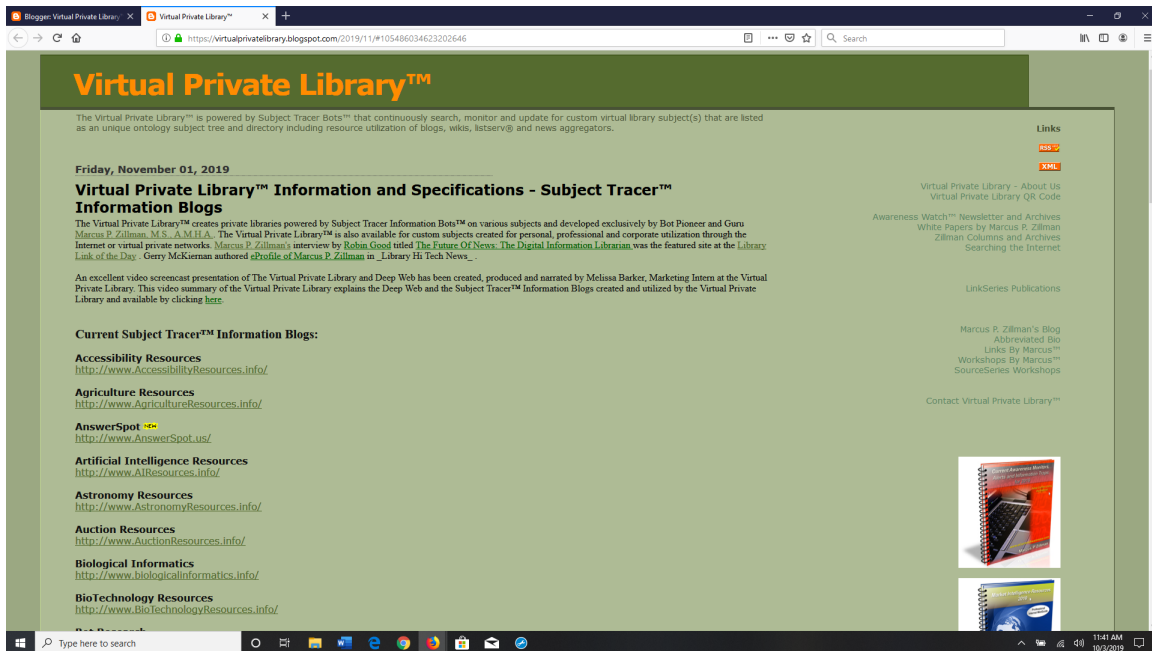


Figure 2: Virtual Private Library™

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

Marcus P. Zillman's Blog (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/>



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<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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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/>



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Business Intelligence Online Resources 2018

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

Cloud Computing Resources Primer 2018

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

Current Awareness Discovery Tools on the Internet 2019

<http://www.zillman.us/white-papers/current-awareness-discovery-tools-on-the-internet/>

Deep Web Research and Discovery Resources 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/>



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

Searching the Internet 2018 – The Primer and 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 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.

