

# Web Data Extractors 2017

## A White Paper Link Compilation

By

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Extracting data from the World Wide Web (WWW) has become an important issue in the last few years as the number of web pages available on the visible Internet has grown to over 20 billion pages with over 1 trillion pages available from the invisible web. Tools and protocols to extract all this information have now come in demand as researchers as well as web browsers and surfers want to discover new knowledge at an ever increasing rate! As robots (bots) and intelligent agents are at the heart of many extraction tools I decided to create a compilation of the latest sources and sites that extract information from the web. There are a number of eMail extraction tools still available through the Internet and I have decided not to list these as they aid to the on-going and increasing problem of SPAM except for a readily available DMOZ Directory listing:

### **Web Data Extractors 2017:**

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

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

Anthracite

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

Aristo - Answer Questions with a Knowledgeable Machine

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

artoo.js - The Client-Side Scraping Companion

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

AutoMate - Automate Data Extraction

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



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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/>

BLIASoft Knowledge Discovery

<http://www.bliasoftware.com/Eindex.html>

Bot Research

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

BYU Data Extraction Research Group

<http://www.deg.byu.edu/>

Captiva Software: Digital Information Capture Software

<http://www.emc.com/enterprise-content-management/captiva/captiva.htm>

ChartSearch Data Search Technology

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

Client-Side Deep Web Data Extraction

<http://www.tic.udc.es/~mad/publications/ceceast2004.pdf>

CloudScape – Extract, Enrich and Connect

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

Common Crawl

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



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Connotate – Web Data Extraction and Monitoring

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

Content Grabber – Extract Data from Websites

<http://www.ContentGrabber.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

<http://support.import.io/knowledgebase/articles/247570-create-a-crawler>

cURL groks URLs - Command Line Tool for Transferring Data

<http://curl.haxx.se/>

Data Extraction Services

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

Data Extractors and Pass-Through Systems – A Selected List

<http://datalib.chass.utoronto.ca/misc/dli/extracts.htm>

Data Mining Resources

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

Dataminr - Real-time Information Discovery

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

Data Scraping Studio

<https://www.datascraping.co/>

DataSift - Powerful Social Data Platform

<http://datasift.com/>



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

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

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

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

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

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

ExtractData Technologies - SearchExtract Software  
<http://www.extradata.com/>

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

FeedsAPI - Extract Content from Web Pages Tool  
<http://www.feedsapi.com/>



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FerretSoft

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

Ficstar Software - Web Data Extraction

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

File Information Tool Set (FITS)

<http://code.google.com/p/fits/>

FMiner – Web Scraping Software

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

Fresh WebSuction

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

Grabby

<https://grabby.io/>

Grepsr – Web Scraping Made Simple, Fast and Manageable

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

Helium Scraper

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

Huginn - Your Agents Are Standing By

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

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/>



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Introduction to Information Retrieval  
<http://www-nlp.stanford.edu/IR-book/>

iOpus Internet Macros  
<http://www.iopus.com/imacros/>

iRobotSoft – Visual Web Scraping and Web Automation  
<http://irobotsoft.com/>

iWeb Scraping Services  
<http://www.iwebscraping.com/>

jSEO - Web Crawler For Search Engine Optimization  
<http://codecanyon.net/item/jseo-web-crawler-for-search-engine-optimization/8770392>

Junar - Discovering Data  
<http://www.junar.com/>

Karma - Data Integration Tool  
<http://www.isi.edu/integration/karma/>

Kimono - Turn Website Into Structured APIs From Your Browser In Seconds  
<https://www.kimonolabs.com/>

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

Knowlesys® - Web Data Extraction, Web Grabber and Screen Scraper  
<http://www.knowlesys.com/index.htm>

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

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

Metadata Extraction Tool  
<http://meta-extractor.sourceforge.net/>

Mozenda – Comprehensive Web Data Gathering  
<http://www.mozenda.com/>



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NCapture - Capture Web Content

[http://www.qsrinternational.com/products\\_nvivo\\_add-ons.aspx](http://www.qsrinternational.com/products_nvivo_add-ons.aspx)

Netlytic - Making Sense of Online Conversations

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

Newprosoft – Web Data Extraction Software

<http://newprosoft.com/>

NewsClipper.com - Snip and Ship Dynamic News Content to Your Web Pages

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

Octoparse – Automated Web Scraping Software

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

Online Data Extractor Tool

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

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/>

QL2 Software - Unstructured Data Management and Web Mining Software

<http://www.ql2.com/>

OutWit Hub - Harvest the Web With Your Own Web Collection Engine

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

REBOL Technologies

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

SalesTools.io

<https://salestools.io/>



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

ScissorsFly - Your Web Clipper and Scrapbook  
<https://www.scissorsfly.com/>

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

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

Scrape.it  
<http://scrape.it/>

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

Scraper – Chrome Extension Data Extractor  
<https://chrome.google.com/webstore/detail/scraper/mbigbapnjcgaffohmbkdlecacpepngjd>

ScraperWiki - Community of Programmers Sifting Information To Give You the Edge  
<https://scraperwiki.com/>

ScrapeShield - Monitor and Track Misuse of Your Content  
<https://www.cloudflare.com/apps/scrapeshield>

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

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>



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Screen Snarfs - Darkspell: Perl Code for Screen Scrapers  
<http://www.darkspell.com/gadgets/snarfs/>

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

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://www.spinn3r.com/>

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/bitslabsyr/stack>

Texifter - Search, Sift, Sort, Classify and Analyze  
<http://texifter.com/>

TextConverter 4  
<https://www.simx.com/>

Text Mining and Web-Based Information Retrieval Reference  
[http://filebox.vt.edu/users/wfan/text\\_mining.html](http://filebox.vt.edu/users/wfan/text_mining.html)

TextRazor - Text Analysis Infrastructure  
<https://www.textrazor.com/>

Topicgrazer - Graze On Web Pages and Documents  
<http://www.topicscape.com/Topicgrazer/help.php>

Topsy - Twitter Search, Monitoring and Analytics  
<http://topsy.com/>



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UiPath – Web Data Extraction

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

Unit Miner - Web Data Extraction Software

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

VisualScrapper – Web Data Extractor

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

Visual Web Ripper – Data Extraction Software

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

Visual Web Task

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

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

<http://www.wintask.com/web-data-extraction.php>

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 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>

WebHarvy – Intuitive Powerful Visual Web Scraper  
<https://www.webharvy.com/index.html>

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

WebQL  
<http://www.ig.com.au>

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](https://en.wikipedia.org/wiki/Web_scraping)

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

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](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/>

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/>



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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.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/>



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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 2016

<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/>



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Military Resources

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

New Economy Analytics, Resources and Alerts

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

Outsourcing/Offshoring Information and Resources

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

Privacy Resources

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

Reference Resources

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

Research Resources

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

RestStress™

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

Script Resources

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

ShoppingBots

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

Social Informatics

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

Statistics Resources and Big Data

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

Student Research

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

Theology Resources

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

Tutorial Resources

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



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

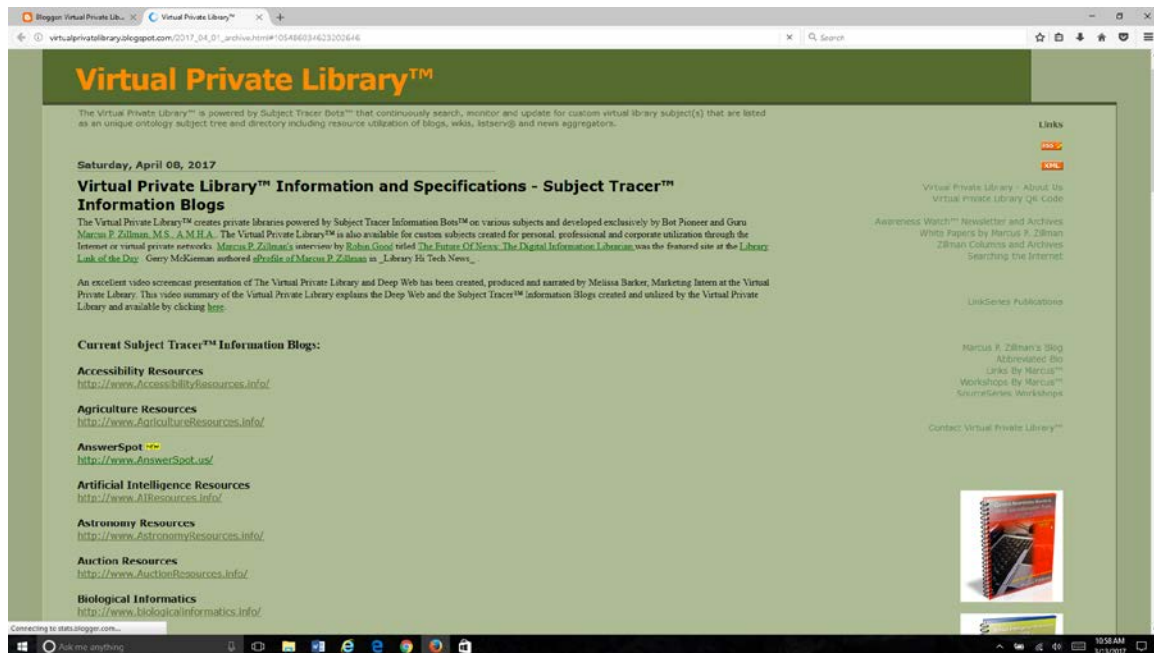


Figure 1: Virtual Private Library™

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

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

Marcus P. Zillman's Blog (18,000+ Postings)  
<http://www.zillman.us/>

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



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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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2017 Directory of Directories  
<http://www.2017DirectoryOfDirectories.com/>

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

Bots, Blogs and News Aggregators 2017  
<http://www.BotsBlogs.com/>



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Business Intelligence Online Resources 2017

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

Cloud Computing Resources Primer 2017

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

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

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Traps for is now 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.

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### **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)



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Business Intelligence Resources, g) Reference Resources, and h) Subject Tracer™ Information Blogs.

**The Survivor's Manual for The New Economy.**

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

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