

Web Data Extractors 2023

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 billions of pages with trillions of 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.

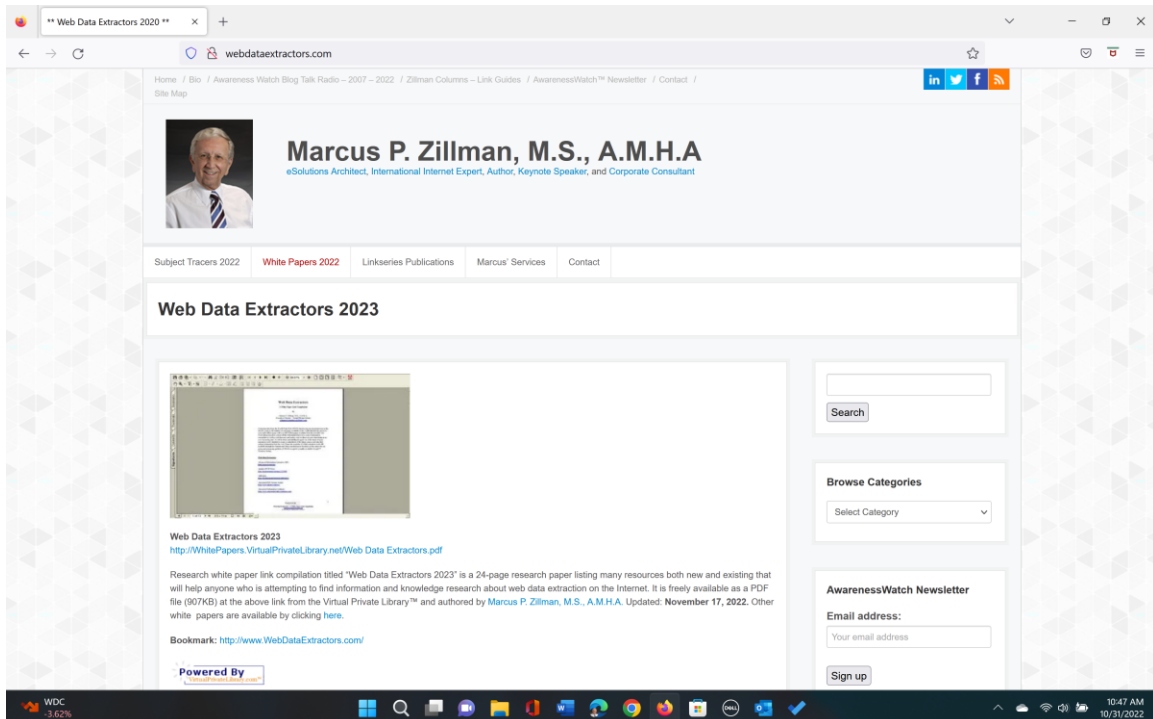


Figure 1: Web Data Extractors 2023



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

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Web Data Extractors 2023:

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

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

Agenty – Robotic Process Automation (RPA) Software on Cloud for Data Scraping

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

Altair – Data Analytics and Artificial Intelligence (AI)

<https://www.altair.com/data-analytics/>

Anthracite

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

AnyBigData – Any Web Data You Want

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

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.helpsystems.com/product-lines/automate>

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>



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

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

bli solutions Weather Predictive Analytics

<http://www.bli solutions.com/>

Bot Research 2023

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

Browse.ai – Easiest Way to Extract and Monitor Data from Any Website

<https://www.browse.ai/>

BYU Data Extraction Research Group

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

Cogitum Co-Citer

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

Common Crawl

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

CrawlMonster

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

Crawly

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

Create a Crawler - Extract Data From an Entire Website

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

cURL groks URLs - Command Line Tool for Transferring Data

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

Data Collection Infrastructure – Proxy Networks and Data Collection Tools

<https://brightdata.com/>

Data Excavator – Data Scraper for E-commerce

<https://data-excavator.com/>

Data Extraction Services

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



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DataHen – Empowering Enterprises with Clean Structured Web Data
<https://www.datahen.com/>

Data Mining Resources 2022/2023
<http://www.DataMiningResources.info/>

Data Miner – Powerful Web Scraping Tool for Professional Data Miners
<https://data-miner.io/>

Dataminr - Real-time AI Event and Risk Detection
<http://www.dataminr.com/>

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

Data Scraping Service – Get Public Data from the Web
<https://www.zyte.com/>

Data Scraping Services
<https://webdataextractionservices.com/>

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 2023
<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 AI – Web Data Extraction Using Artificial Intelligence
<http://www.DiffBot.com/>

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



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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/>

DocuClipper – Data Extraction Software
<https://www.docuclipper.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 – Make Pricing Decisions with Confidence
<http://www.ficstar.com/>

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

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

Get Automated Data Extraction
<https://info.helpsystems.com/am-data-extraction-and-movement/>

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/>

Hackaday – Tired of Web Scraping? Make the AI Do It
<https://hackaday.com/2023/04/09/tired-of-web-scraping-make-the-ai-do-it/>



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Harkive – Data Collection – Multiple Sources/Single Database
<http://harkive.org/>

Helium Scraper – Extract Data from Any Website
<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>

How To Use A Data-Scaping Tool to Extract Data From Webpages
<https://www.maketecheasier.com/use-data-scraping-tool-extract-data-from-web-pages>

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/>

iCyte - Your Research Anywhere
<http://www.icyte.com/>

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/>

Instaloder – Download Pictures or Videos and Metadata from Instagram
<https://instaloder.github.io/>



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Instamancer – Scrape Instagram’s API with Puppeteer
<https://adamsm.com/instamancer/>

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

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>

JetOctopus – Crawler for Big Web Sites
<https://jetoctopus.com/>

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

Knowledge Discovery Resources 2022
<http://www.KnowledgeDiscovery.info/>

Knowledge Graph Toolkit
<https://usc-isi-i2.github.io/kgtk/>

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/>



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LoginWorks – On Demand Webpage Scraping Services
<https://www.loginworks.com/>

Marquee – Professional Web Scraping Services
<https://marqueedata.com/>

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

Minerazzi – Search and Mining Ecosystem
<http://www.minerazzi.com/>

Mozenda – A dexi Brand - Comprehensive Web Data Gathering
<http://www.mozenda.com/>
<https://www.mozenda.com/mozenda-now-part-of-the-dexi-brand-family/>

Netlytic - Making Sense of Public Discourse Online
<https://netlytic.org/home/>

Newprosoft – Web Content Extractor
<http://newprosoft.com/>

Octo – Expose Data From Any Database As Web Service
https://octoproject.github.io/octo-cli/?utm_campaign=Data_Elixir&utm_source=Data_Elixir_303

Octoparse – Easy Web Scraping for Anyone
<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/>

OpenSea – Web Data Extractor Pro
<https://www.OpenSea.io/>



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Open Source Intelligence (OSINT) Miniguide 2023
<http://www.OSINTminiguide.com/>

Outscrapers – Solutions for Accessing Public Information from the Internet for Lead Generation, Marketing, and Data Science
<https://Outscrapers.com/>

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

Page2API – The Ultimate Web Scraping API
<https://www.page2api.com/>

ParseHub – Free Web Scraper That Is Easy To Use
<http://www.ParseHub.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/>

SalesHub – Find Your Ideal Prospects with Signals
<https://saleshub.ai/>

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



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ScrapeHero – Convert Websites Into Useful Data

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

Scraper

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

Scraper.ai – An AI Powered Web Scraper

<https://www.Scraper.ai/>

Scraper API – Proxy API for Web Scraping

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

Scraper: ChatGPT Plugin That Scrapes Websites with 1 Prompt

<https://artificialcorner.com/scraper-chatgpt-plugin-to-scrape-websites-with-1-prompt-56296e701edb>

ScrapeStorm – AI-Powered Web Scraping Tool and Web Data Extractor

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

ScrapeUp – Real Time Proxy API for Web Scraping

<https://scrapeup.com/>

ScrapingBot – API You Need for Efficient Scraping

<https://www.scraping-bot.io/>

ScrapingBytes – Performant Web Scraping API

<https://www.scrapingbytes.com>

ScrapingDog – Handles Millions of Proxies, Browsers and CAPTCHAs

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

ScrapingHub – Cloud Based Data Extraction Tool

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

Scraping Robot – Quality Web Scraping That You Can Count On

<https://scrapingrobot.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/>



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Screen-Scraper

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

Screen-Scraper – Web Data Extraction for Over Seventeen Years

<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>

Semantic Scholar - Free Scientific Literature Search and Discovery

<http://allenai.org/semantic-scholar/>

Sensible Code

<http://sensiblecode.io/>

Sequentum – Unlock the World’s Largest Data Source

<https://sequentum.com/>

SerpApi – Google Search API

<https://serpapi.com/>

Sheet-Shaped Wikipedia: Turn Wikidata Into Spreadsheet-Ready Text Files

<https://lnkd.in/e2GwPY2y>

Simple Scraper – Extract Data From Any Website in Seconds

<https://simplescraper.io/>

Social Media Data Collection Tools

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

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/>



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STACKS - Social Media Tracker, Analyzer, & Collector Toolkit at Syracuse
<https://github.com/bitslabsyr/stack>

TadaWeb - Clone and Amplify Human Intelligence for Web Data Collection and Analysis
<https://www.tadaweb.com/>

Teracrawler – Cloud Based Web Crawling Software
<https://teracrawler.io/>

TextConverter 4
<https://www.simx.com/simx/TC-Overview.stp?>

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

TextSniper – Extract Text from Images and Other Digital Documents in Seconds
<https://textsniiper.app/>

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

Trove - Privacy-Focused Bookmark Organizer
<https://trovenow.com/>

UiPath – Web Data Extraction
<https://www.uipath.com/guides/web-data-extraction>

Unit Miner - Web Data Extraction Software
<http://www.unitminer.com/>

Vaazo – Web Bot That Can Scrape Data and Automate Tasks and More
<https://vaazo.com/>

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

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>



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Web Content Extractor
<http://www.newprosoft.com/>

Web Data Extraction – Convert Websites Into Structured, Usable Data
<https://www.import.io/product/extract/>

Web Data Extraction and Scraping Services
<https://webdataextractionservices.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 Extractor and Scraper Tool
<https://www.webautomation.io/>

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

Web Data Guru – Web Data Extraction and Scraping Services
<http://www.webdataguru.com/>

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

Webhose.io – Tap Into Web Data Feeds at Scale
<http://www.webhose.io/>

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

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



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WebScraping API – Leading REST API for Web Scraping
<https://www.webscrapingapi.com/>

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

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

Website Extractor 10.52
<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 – Microsoft Power Automate
<http://www.winautomation.com/>

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

Xtract.io – Text Extration Mafde Easy
<https://www.xtract.io>

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

Zenscrape – An Elegant Web API for Ethical Data Extraction at Scale
<https://zenscrape.com/>



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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.co/>

Artificial Intelligence Resources

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

Astronomy Resources

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

Auction Resources

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

Biological Informatics

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

Biotechnology Resources

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

Bot Research

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

Business Intelligence Resources

<http://www.BIResources.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.FactCherckers.us/>

Financial Sources

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

Finding People

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

Games Resources

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

Genealogy Resources

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



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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

<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/>

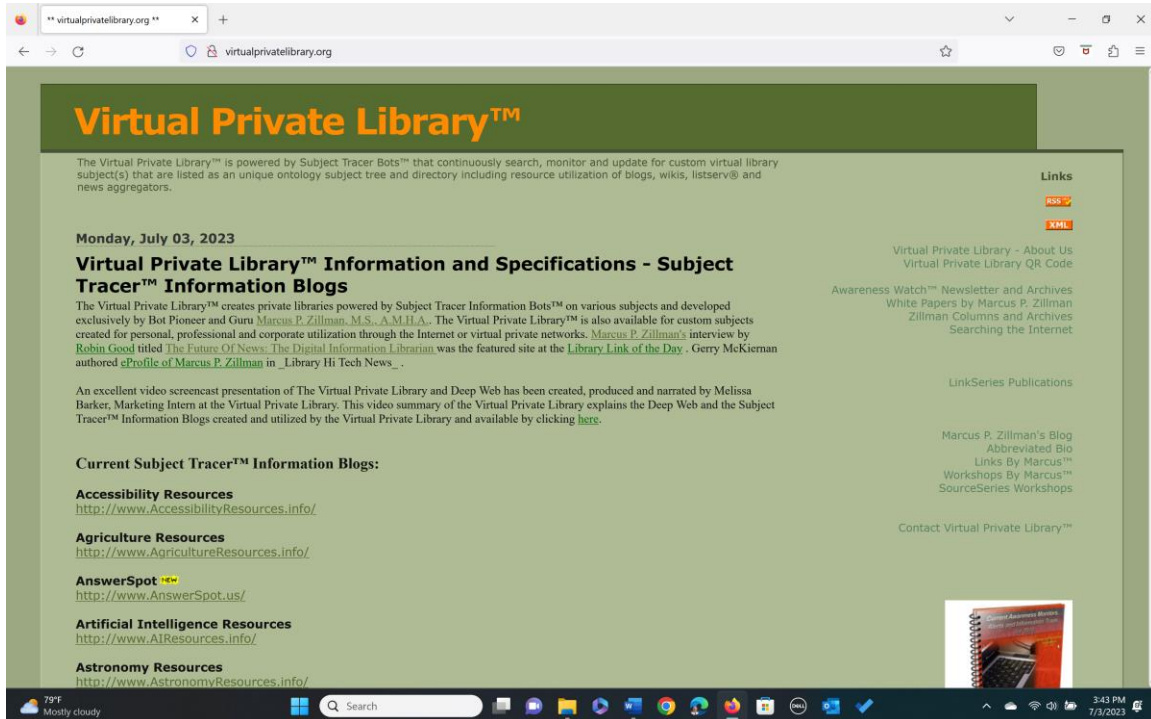


Figure 2: Virtual Private Library™

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Awareness Watch™ Newsletter
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The Survivor's Manual for The New Economy.

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

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