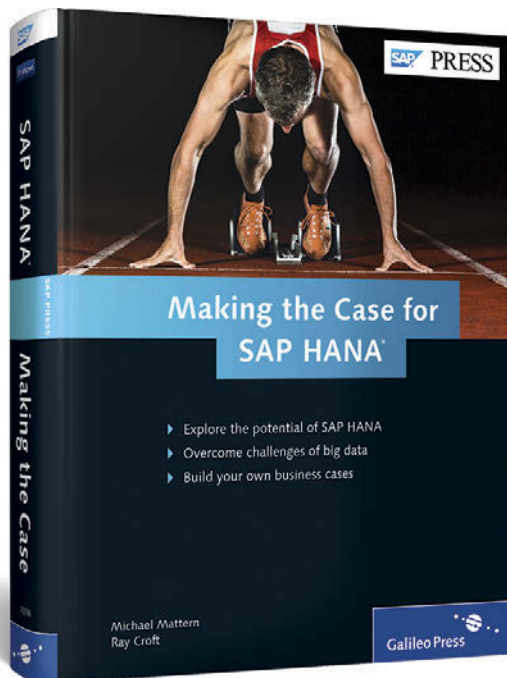


Michael Mattern, Ray Croft

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Weiser, Mark: The Computer for the 21<sup>st</sup> Century 09.01.1991. In: [https://www.google.com.au/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0CB8QFjAA&url=https%3A%2F%2Fwww.ics.uci.edu%2F~corps%2Fphaseii%2FWeiser-Computer21stCentury-SciAm.pdf&ei=iHtIVLC\\_EOTYmgW9qoCQBA&usg=AFQjCNHQc8zHRXmASs1ixuShW4SKFKxUWA&sig2=sJKiGI2MAoIR85uRd4MuEQ&bvm=bv.77880786,d.dGY](https://www.google.com.au/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0CB8QFjAA&url=https%3A%2F%2Fwww.ics.uci.edu%2F~corps%2Fphaseii%2FWeiser-Computer21stCentury-SciAm.pdf&ei=iHtIVLC_EOTYmgW9qoCQBA&usg=AFQjCNHQc8zHRXmASs1ixuShW4SKFKxUWA&sig2=sJKiGI2MAoIR85uRd4MuEQ&bvm=bv.77880786,d.dGY) [10.23.2014]

## A.3 Other Internet Sources

### A.3.1 SAP Solutions

<http://aws.amazon.com/sap/>; SAP solutions in AWS (Amazon Web Services)

<http://help.sap.com/bois42/>; SAP Information Steward 4.2. Online Help

[http://help.sap.com/businessobject/product\\_guides/sboIS42/en/is\\_422\\_admin\\_en.pdf](http://help.sap.com/businessobject/product_guides/sboIS42/en/is_422_admin_en.pdf); SAP Information Steward—Administrator Guide

[http://help.sap.com/download/River/SAP\\_River\\_Developer\\_Guide\\_en.pdf](http://help.sap.com/download/River/SAP_River_Developer_Guide_en.pdf); SAP River Developer Guide. Handbook, 03.13.2014, Version: 1.1.

[http://help.sap.com/hana/SAP\\_HANA\\_Predictive\\_Analysis\\_Library\\_PAL\\_en.pdf](http://help.sap.com/hana/SAP_HANA_Predictive_Analysis_Library_PAL_en.pdf) SAP HANA Predictive Analysis Library (PAL)

[http://help.sap.com/hana/SAP\\_HANA\\_SQL\\_Script\\_Reference\\_en.pdf](http://help.sap.com/hana/SAP_HANA_SQL_Script_Reference_en.pdf); SAP HANA SQLScript Reference

[http://help.sap.com/in\\_memory](http://help.sap.com/in_memory); in-memory solutions from SAP AG

[http://help.sap.com/saphelp\\_nw73/helpdata/en/32/5e81c7f25e44abb6053251c0c763f7/frameset.htm](http://help.sap.com/saphelp_nw73/helpdata/en/32/5e81c7f25e44abb6053251c0c763f7/frameset.htm); SAP HANA—Optimized DataStore Object (obsolete). Online-Help

<http://marketplace.saphana.com/search/all>; Search the SAP HANA marketplace

<http://scn.sap.com/community/hana-in-memory>; SAP HANA community on SAP Community Network (SCN)

<http://scn.sap.com/community/hana-in-memory/blog/2013/08/22/smart-data-access-a-new-feature-by-hana>; Definition of "virtual tables"

<http://scn.sap.com/community/hana-in-memory/use-cases>; SAP HANA Use Cases on SAP Community Network (SCN)

<http://service.sap.com/hanaqs>; SAP QuickSizer tool for SAP HANA systems hardware sizing

<http://service.sap.com/qs>; SAP QuickSizer tool for SAP systems hardware sizing

<http://service.sap.com/rds-commodity-risk>; Rapid Deployment Solution (RDS) for commodity risk management from SAP AG

<http://service.sap.com/rds>; Rapid Deployment Solution (RDS) from SAP AG

<http://www.sap.com/news-reader/index.epx>; SAP's news portal, can be used to search for news on SAP HANA

<http://www.sap.com/pc/index.html>; SAP's product portfolio

<http://www.sap.com/pc/tech/database/software/sybase-complex-event-processing/index.html>; SAP Event Stream Processor

<http://www.sap.com/pc/tech/enterprise-information-management.html>; Enterprise information management (EIM) portfolio of SAP

<http://www.sap.com/pc/tech/enterprise-information-management/software/data-integrity-steward/index.html>; SAP Information Steward

<http://www.sap.com/pc/tech/in-memory-computing-hana.html>; In-memory portfolio of SAP

<http://www.sap.com/pc/tech/in-memory-computing-hana/partners.html>; SAP's partners for SAP HANA

<http://www.sap.com/pc/tech/in-memory-computing-hana/software/hana-enterprise-cloud/index.html>; SAP HANA Enterprise Cloud, a cloud-based hosting offer from SAP

<http://www.sap.com/solution.html>; Solutions of SAP

<http://www.saphana.com/>; SAP HANA's website

<http://www.saphana.com/community/about-hana/deployment-options/sap-hana-managed-service>; SAP HANA Enterprise Cloud, a cloud-based hosting offer from SAP, alternative access via SAP HANA's website

<http://www.saphana.com/community/learn/customer-stories/>; customer stories about SAP HANA

<http://www.saphana.com/community/learn/solutions/predictive-analysis>; SAP PAL on SAP HANA's website

<http://www.saphana.com/docs/DOC-2933>; Sizing for SAP Business Suite powered by SAP HANA

<http://www.saphana.com/docs/DOC-3954>; SAP BW Powered by SAP HANA—trial offer

[https://help.sap.com/download/River/SAP\\_River\\_Language\\_Reference\\_en.pdf](https://help.sap.com/download/River/SAP_River_Language_Reference_en.pdf); SAP River Language Reference

[https://help.sap.com/hana/SAP\\_HANA\\_R\\_Integration\\_Guide\\_en.pdf](https://help.sap.com/hana/SAP_HANA_R_Integration_Guide_en.pdf); SAP HANA R Integration Guide. Handbook, 08.21.2014, SAP HANA Platform SPS 08, Version: 1.1.

<https://rapid.sap.com/se/>; SAP Solution Explorer

<https://service.sap.com/rds-bpcplanningecc>; Rapid Deployment Solution (RDS) for financial planning from SAP

<https://service.sap.com/rds-cra>; SAP HANA Commodity Risk Analytics rapid-deployment solution

<https://service.sap.com/sap/support/pam/>; SAP's Product Availability Matrix (PAM)

<https://support.sap.com/support-programs-services/solution-manager/processes.html>; website dealing with the concept "Run SAP like a Factory"

### **A.3.2 Solutions From Other Suppliers**

<http://storm.incubator.apache.org/>; Apache Storm

<http://www.adobe.com/products/premiere.html>; Adobe Premiere Pro CC

<http://www.apexanalytix.com/firststrike/fraud-detection.aspx>; APEX Analytix—First Strike: Detect fraud and manage risk

<http://www.ariscommunity.com/aris-express/>; ARIS Express

<http://www.google.com/enterprise/search/products/gsa.html>; Google Search Appliance—GSA

<http://www.mobiata.com/>; Flight tracking

<http://www.nuance.com/dragon/index.htm>; Nuance Dragon, a dictation program

<http://www.techsmith.com/camtasia.html>; CamtasiaStudio, a solution used to record a sequence of operations on the screen including speech recognition, mainly used to create training videos

### A.3.3 Companies and Portals

<http://allmetsat.com/>; Global weather data

<http://archive.org/web/>; Internet archive facility

<http://bigpoint.com/> German-based developer of browser based online games

<http://dilbert.com/>; the definitive website for all cubicle dwellers

<http://itranslatevoice.com/>; Voice to Voice translation

<http://scn.sap.com/>; SAP Community Network home page

<http://uk.mymuesli.com/>; mymuesli, a good example for mass customization

<http://ww1.jepesen.com/personal-solutions/aviation/general-aviation-flight-planning.jsp>; General Aviation Flight Planning

<http://www.alteryx.com/>; Alteryx, a supplier of predictive solutions

<http://www.amazon.com/>; Amazon

<http://www.bahn.com/>; German railways

<http://www.checkmybus.com/>; CheckMyBus, a price comparison portal for coach trips

<http://www.flightcentre.co.uk/>; flight booking based in the UK

<http://www.flightstats.com/>; delay statistics for flights within the USA

<http://www.geomidpoint.com/>; Geographic Midpoint Calculator

[http://www.gira.de/gebaeudetechnik/systeme/knx-eib\\_system/knx-produkte/server/homeserver/zentral-steuern.html](http://www.gira.de/gebaeudetechnik/systeme/knx-eib_system/knx-produkte/server/homeserver/zentral-steuern.html); GIRA, a supplier of solutions for networked building technology and the Internet of Things

<http://www.google.com/alerts/>; alerting function with Google

<http://www.google.com/chrome/browser>; Google chrome browser

<http://www.google.com/patents>; searching for patents using Google

<http://www.google.org/flutrends/>; flu forecast by Google

<http://www.holidaycheck.com/>; portal for comparing holiday offerings (in terms of consumer experience)

<http://www.iosb.fraunhofer.de/servlet/is/12481/>; Fraunhofer—how to build self-configuring MES

<http://www.lme.com/en-gb/trading/contract-types/lmeswaps/>; London Metal Exchange (LME), a commodity exchange

[http://www.mindtools.com/pages/article/newCT\\_03.htm](http://www.mindtools.com/pages/article/newCT_03.htm); Tools for Attribute Listing, Morphological Analysis, and Matrix Analysis

<http://www.myhammer.co.uk/>; MyHammer, a portal used to find tradesmen

<http://www.myswisschocolate.ch/>; my swiss chocolate, a good example of mass customization

<http://www.nano-tera.ch/>; Nano-Tera, a Swiss research initiative for nano technologies

<http://www.oanda.com/currency/historical-rates/>; OANDA, historical exchange rates

<http://www.relentless.com/>; just find out yourself where this URL takes you...

<http://www.sabre.com/>; Sabre, one of the leading travel booking systems

<http://www.salesforce.com/>; salesforce, a cloud based solution for Customer Relationship Management (CRM)

<http://www.shirtsmyway.com/>; ShirtsMyWay, a good example of mass customization

<http://www.tableausoftware.com/>; Tableau Software, a supplier of sophisticated solutions for visual data analysis

<http://www.transparency.org/research/bpi/overview>; Transparency International, Bribe Payers Index

<http://www.tropo.com/>; Tropo, a service provider offering telecommunications-related web services

<http://www.twilio.com/>; Twilio, a service provider offering telecommunications-related web services

<http://www.ukrainecalling.com/email-to-text.aspx>; a list of companies offering services to send text messages

<http://www.vce.com/products/specialized/sap-hana>; VCE, a supplier of cloud-based hosting services

<https://klout.com/home>; evaluating the influence or reach of an individual or brand

<https://klout.com/s/developers/docs>; Klout developer's documentation

<https://support.google.com/websearch/answer/1325808?hl=de>; searching for images on Google by using other images (instead of search terms), description of functions

<https://www.clickatell.com/apis-scripts/>; APIs from Clickatell, a service provider for sending mass SMS messages

<https://www.clickatell.com/clickatell-products/online-products/how-our-online-products-work/>; product portfolio of Clickatell, a service provider for sending mass SMS messages

<https://www.google.com/imghp>; searching for images on Google by using other images (instead of search terms)

<https://www.ixquick.com/>; private search engine

<https://www.recordedfuture.com/>; Recorded Future, a company specializing in analyzing all kind of information on the Internet and using it—for example—to supply businesses with country-specific risk analyses

### **A.3.4 Crowdsourcing**

<http://clickworker.com/>; Clickworker, a crowdsourcing portal/supplier

<http://crowdfunder.com/>; CrowdFunder, a crowdsourcing portal/supplier

<http://www.brickworkindia.com/>; Brickwork India, a crowdsourcing portal/supplier for office-related services

<http://www.ideaconnection.com/>; IdeaConnection, a crowdsourcing portal/supplier for research and development

<http://www.kaggle.com/>; kaggle, a crowdsourcing portal/supplier, mainly used for developing Big Data algorithms

[https://ideas.sap.com/ct/c\\_ent\\_homex.bix?a=OD5268&level\\_id=36F0B80C-DFFF-42D4-8400-9FBBDD6EFAE5](https://ideas.sap.com/ct/c_ent_homex.bix?a=OD5268&level_id=36F0B80C-DFFF-42D4-8400-9FBBDD6EFAE5); Idea Incubator, a crowdsourcing portal by SAP AG

<https://www.mturk.com/>; Amazon Mechanical Turk, a crowdsourcing portal by Amazon

<https://www.odesk.com/>; ODesk, freelance computer based resources

<https://www.zirtual.com/>; Zirtual, US-based dedicated virtual assistants company

**A.3.5 Sensor Data**

<http://connect.garmin.com/>; Connect, a portal used to store and process data from Garmin sports devices (for example, from Garmin's Forerunner series)

<http://nikeplus.nike.com/>; Nike+, a portal used to store and process data from Nike sports devices (for example, Nike's FuelBand)

**A.3.6 Programming**

<http://cran.r-project.org/mirrors.html>; websites to download the tools needed for the language R

[http://cran.r-project.org/web/packages/available\\_packages\\_by\\_name.html](http://cran.r-project.org/web/packages/available_packages_by_name.html); list of (supplementary) packages for the language R

<http://cran.r-project.org/web/views/MachineLearning.html>; list of (supplementary) packages for machine learning for the language R

<http://sap-river.com>; Play with RDL—seven-day free trial

<http://www.odata.org/>; website of the Open Data Protocol

**A.3.7 (Selected) Suppliers of SAP HANA Hardware**

<http://enterprise.huawei.com/en/solutions/IT-solutions/server-application/hw-266849.htm>; SAP HANA hardware from Huawei

<http://h22168.www2.hp.com/us/en/partners/sap/index.aspx#tab=TAB2>; SAP HANA hardware from HP

<http://www.cisco.com/en/US/netsol/ns1160/index.html>; SAP HANA hardware from Cisco

<http://www.dell.com/learn/us/en/555/shared-content~data-sheets~en/documents~choosing-the-right-big-data-platform-for-sap-environments.pdf?c=us&l=en&s=biz&cs=555>; SAP HANA hardware from Dell

<http://www.fujitsu.com/fts/solutions/high-tech/solutions/datacenter/sap/hana/>; SAP HANA hardware from Fujitsu

[http://www.hds.com/products/hitachi-unified-compute-platform/business-analytics.html?WT.ac=us\\_inside\\_rm\\_busnssnly](http://www.hds.com/products/hitachi-unified-compute-platform/business-analytics.html?WT.ac=us_inside_rm_busnssnly); SAP HANA hardware from Hitachi

[http://www.nec.com/en/global/prod/express/related/sap\\_certified.html](http://www.nec.com/en/global/prod/express/related/sap_certified.html); SAP HANA hardware from NEC

<http://www.vce.com/products/specialized/sap-hana>; SAP HANA hardware from VCE  
[www.ibm.com/systems/x/solutions/sap/hana](http://www.ibm.com/systems/x/solutions/sap/hana); SAP HANA hardware from IBM

### **A.3.8 Solutions For and Information About Statistics**

<http://www.math.yorku.ca/SCS/StatResource.html>; statistical visualization software  
<http://www.tylervigen.com/>; Examples of spurious correlations

### **A.3.9 Data Modeling**

<http://www.manning.com/marz/>; "Big Data: Principles and best practices of scalable realtime data systems"; a book project dealing with the lambda architecture  
<http://www.togaf.org/>; the website of The Open Group Architecture Framework (TOGAF)

### **A.3.10 Professional Training**

[http://help.sap.com/openSAP/HANA1/openSAP\\_HANA1\\_Week\\_03\\_Unit\\_04\\_Procedure\\_Imperative\\_Logic\\_Presentation.pdf](http://help.sap.com/openSAP/HANA1/openSAP_HANA1_Week_03_Unit_04_Procedure_Imperative_Logic_Presentation.pdf); How to Create an SQLScript Procedure with Imperative Logic

[http://help.sap.com/saphelp\\_nw73/helpdata/en/fd/1971cc49a94afc934706cbece6f2d7/frameset.htm](http://help.sap.com/saphelp_nw73/helpdata/en/fd/1971cc49a94afc934706cbece6f2d7/frameset.htm); Merging Data from BW and SAP HANA (Mixed Scenarios)

[http://help.sap.com/saphelp\\_nw74/helpdata/en/db/4f095949ac4fbe9ed3030fd7a62740/frameset.htm](http://help.sap.com/saphelp_nw74/helpdata/en/db/4f095949ac4fbe9ed3030fd7a62740/frameset.htm); BI Content for SAP Solution Manager

<http://wiki.scn.sap.com/wiki/x/jgEjFg>; SCN, Video Tutorials for SAP Fraud Management

<http://www.dlab.zhaw.ch/de.html>; degree program for data science at ZHAW

<http://www.lynda.com/>; Supplier of video based training

<http://www.saphana.com/community/hana-academy/>; SAP HANA Academy, a portal with training videos about SAP HANA

<http://www.science.auckland.ac.nz/en/about/subjects-and-specialisations/subjects-and-specialisations-at-postgraduate-level/data-science.html>; degree program for data science at Auckland University, New Zealand