

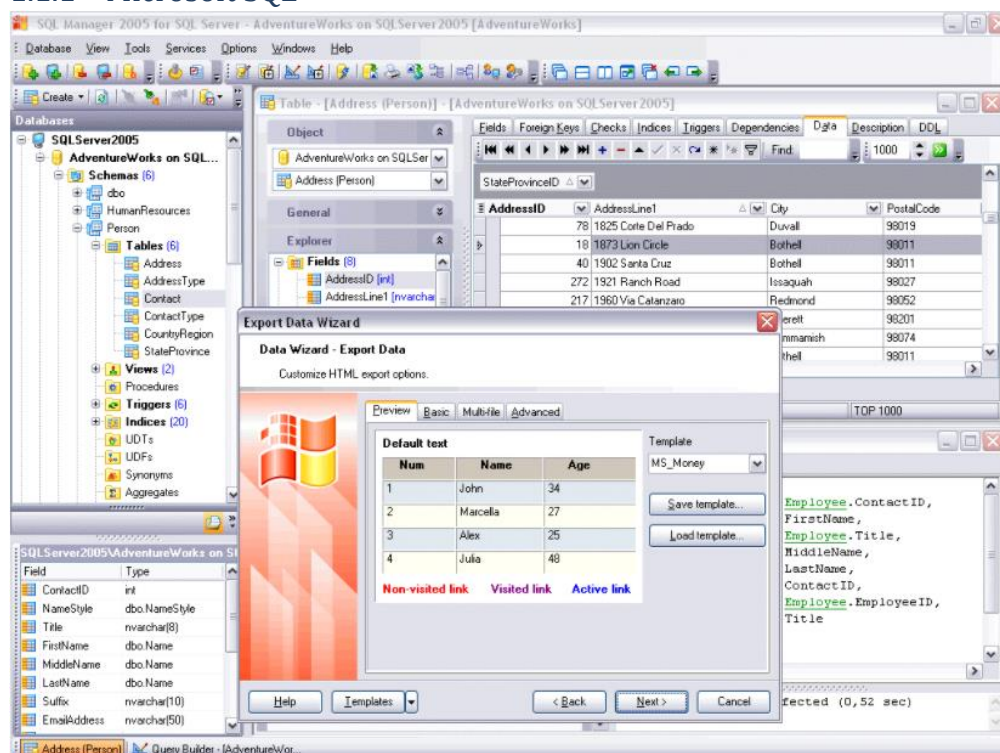
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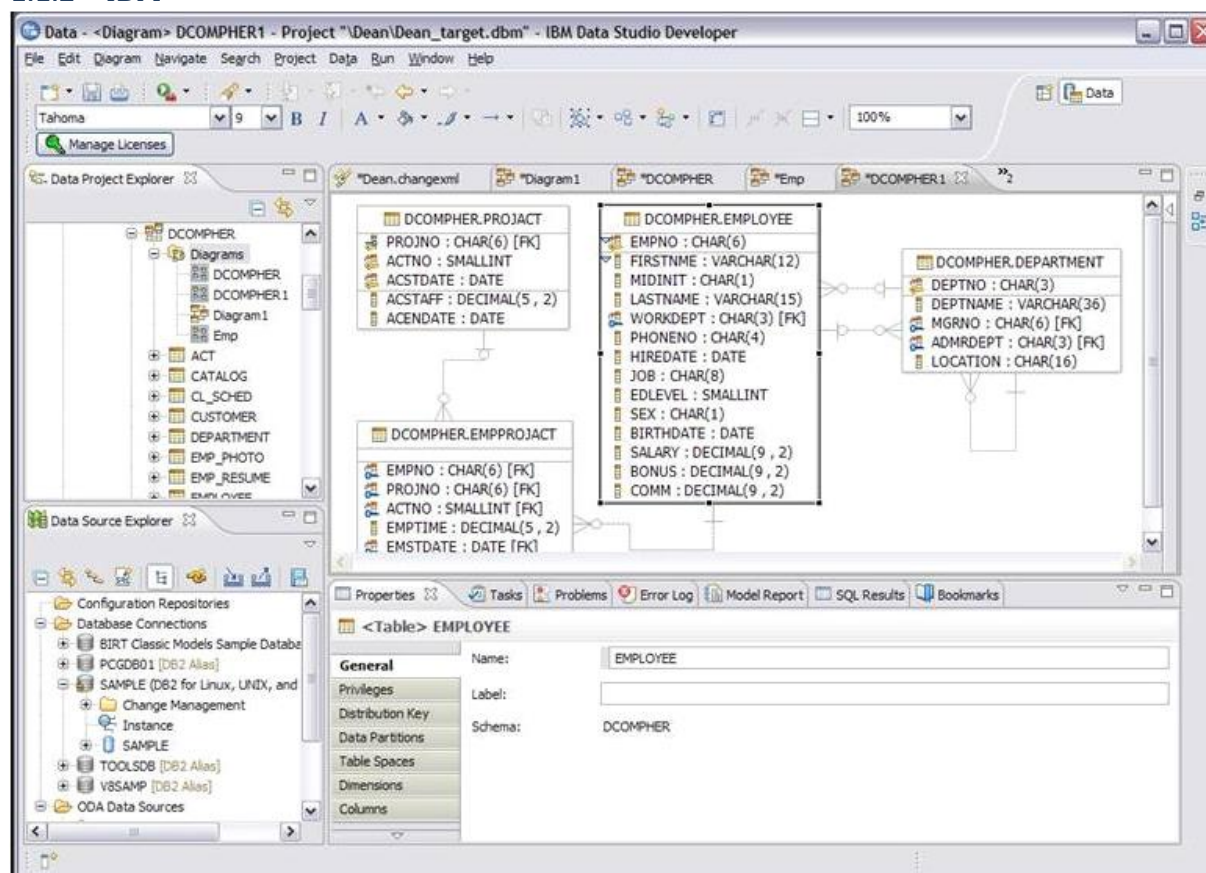
1 Zpracování dat – další programy

1.1 Databázové

1.1.1 Microsoft SQL



1.1.2 IBM



The screenshot displays the SAP Business Blueprint Editor interface. The top menu bar includes 'Business Blueprint', 'Edit', 'Goto', 'Settings', 'Environment', 'System', and 'Help'. The title bar indicates the project is 'IGXD0003 - Change - Business Blueprint - SAP Solution Manag'.

The left pane, titled 'Business Blueprint Structure', shows a hierarchical tree of organizational units and business processes. The selected item is 'Determine valid service contract or service agreement' under the 'Service Order Management with ERP Billing' process.

The right pane displays the details for the selected process. The 'System Role' is 'Evaluation System' and the 'Process Step' is 'Determine valid service contract or service agreement'. The 'iGraph Enterprise View' shows a URL: 'http://127.0.0.1/webcentral/Global/Corp25AP/tobj1d=4266portal'.

The process details section includes:

- SAP Properties:**
 - ☒ In Scope
- Logical Component:** CRM_SERVER
- Relationships:**
 - Supports:**
 - Processes: 4.6.1 Process Service Orders
 - Supported By:**
 - Transaction Processing (CRM_ORDER)
 - End User Roles:**
 - Responsible: U0501
 - Solution Manager Business: Blueprint Job, Sales

The BPMN diagram illustrates the process flow. It starts with a 'Start' event, leading to a decision diamond 'Change warranty policy?'. If 'Yes', it leads to 'Change warranty policy'. If 'No', it leads to another decision diamond 'Change warranty data?'. If 'Yes', it leads to 'Change warranty data'. If 'No', it leads to 'End User Roles'. The 'End User Roles' section includes a task 'Determine valid service contract' and a final event 'Process end check'.

The screenshot displays the Microsoft Access 2007 interface. The 'Query Tools' ribbon is active, showing the 'Design' tab. The 'QCube Time Tracking Query' is open in Design View. The design grid shows the following fields and their sources:

Field	Table
Company Name	vd_COMPANY
Class Name	vd_Class
Employee Name	vd_Employee
Customer Name	vd_Customer
Job Name	vd_Job
Vendor Name	vd_VENDOR
OtherName Name	vd_OtherName
Item Name	vd_ItemService

The 'Field Table' section at the bottom of the ribbon shows the selected field 'Company Name' from the 'vd_COMPANY' table. The 'Show' and 'Criteria' sections are also visible.

1.1.5 ORACLE

The screenshot shows the dbForge Studio for Oracle interface. The main window displays a comparison of the HUMAN_RESOURCE and HR (ORCL1120) databases. The comparison table shows the following data:

Object	Only in Source	Different Records	Only in Target
EMPLOYEES	0	107	0
JOBS	0	4	0
LOCATIONS	0	0	0
REGIONS	0	0	0
COUNTRIES	1	0	1
JOB_HISTORY	12	0	13

The 'Visible Columns' dialog is open, showing the following columns:

- COMMISSION_PCT | COMMISSION_PCT
- DEPARTMENT_ID | DEPARTMENT_ID
- EMAIL | EMAIL
- FIRST_NAME | FIRST_NAME
- ☒ HIRE_DATE | HIRE_DATE
- JOB_ID | JOB_ID
- LAST_NAME | LAST_NAME
- MANAGER_ID | MANAGER_ID
- PHONE_NUMBER | PHONE_NUMBER
- ☒ SALARY | SALARY

The 'Output' pane at the bottom shows the results of the comparison:

```
HUMAN_RESOURCE vs HR (ORCL1120): "HUMAN_RESOURCE.DEPARTMENTS" vs "HR.DEPARTMENTS" -> 0 records compared.
HUMAN_RESOURCE vs HR (ORCL1120): "HUMAN_RESOURCE.EMPLOYEES" vs "HR.EMPLOYEES" -> 107 records compared.
HUMAN_RESOURCE vs HR (ORCL1120): "HUMAN_RESOURCE.JOBS" vs "HR.JOBS" -> 4 records compared. Status: OK
HUMAN_RESOURCE vs HR (ORCL1120): "HUMAN_RESOURCE.LOCATIONS" vs "HR.LOCATIONS" -> 0 records compared.
HUMAN_RESOURCE vs HR (ORCL1120): "HUMAN_RESOURCE.REGIONS" vs "HR.REGIONS" -> 0 records compared. Status: OK
HUMAN_RESOURCE vs HR (ORCL1120): "HUMAN_RESOURCE.COUNTRIES" vs "HR.COUNTRIES" -> 2 records compared.
HUMAN_RESOURCE vs HR (ORCL1120): "HUMAN_RESOURCE.JOB_HISTORY" vs "HR.JOB_HISTORY" -> 25 records compared.
```

1.1.6 SQLite



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SQLite is a self-contained, high-reliability, embedded, full-featured, public-domain, SQL database engine. SQLite is the most used database engine in the world. [More Info](#)

Latest Release: [Version 3.18.0](#) (2017-03-28). [Download](#) [Prior Releases](#)

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Ongoing development and support of SQLite is made possible in part by [SQLite Consortium](#) members, including:



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1.1.7 postgresQL

postgres | postgres |

 PostgreSQL

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9th February 2017

PostgreSQL 9.6.2, 9.5.6, 9.4.11, 9.3.16 and 9.2.20 Released!

The PostgreSQL Global Development Group is pleased to announce the availability of PostgreSQL 9.6.2, 9.5.6, 9.4.11, 9.3.16 and 9.2.20.

These new releases contain bug fixes over previous releases. All users should plan to upgrade their systems as soon as possible.

[» Release Announcement](#)
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» **FEATURED USER**

... just like the FeedLounge guys I prefer PostgreSQL, and it's the database we'll be using for all future applications here at Joyent.

Michael Koziarski, [Joyent](#)

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9.3.16 · Feb. 9, 2017 · [Notes](#)
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1.1.8 FileMaker

1.1.9 Informix

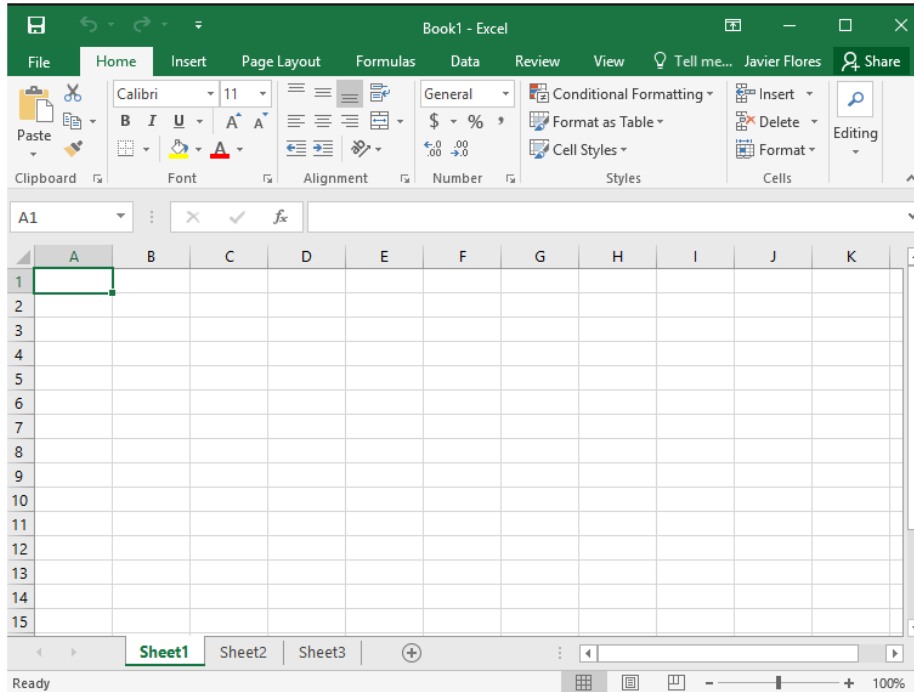
1.1.10 Teradata

1.1.11 ADABAS

Stránka 5

1.2 Microsoft

1.2.1 Excel



1.2.2 PowerBI

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A screenshot showing the Power BI 'Executive Metrics' dashboard displayed on three devices: a smartphone, a tablet, and a laptop. The dashboard features various visualizations including bar charts for 'Expected Revenue' (\$85.22M), 'Variance to Budget', and 'Confidence in prediction' (85%). It also includes a world map for 'Unique Visitors, Daily Users' and a pie chart for 'Distribution by Feature Rank'. The interface is clean and modern, with a dark theme and clear data labels.

Power BI Premium is coming soon. Help your people drive insights. [Learn more](#)

1.3 Google

1.3.1 Google data studio

 Google Datové studio **beta** | Domovská stránka

Začít nový přehled

 Prázdné

 Marketing Acme
Google Analytics

VŠE JSEM VLASTNÍKEM SDÍLENO SE MNOU KOŠ

PŘEHLEDY

ZDROJE DAT

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Uživatelské nastavení

Dnes

 Přehled bez názvu

Předchozích 30 dnů

 [Sample] Acme Marketing Website - kopie

Dříve

 [Sample] Acme Marketing Website

 [Sample] Population Sample Report

1.3.2 AdWords

Google AdWords Home Campaigns Opportunities Tools Customer ID: 123-456-7890 adwords.user@gmail.com

Search

All online campaigns

- Alabama
- Alaska
- Arizona
- High Volume Broad Keywords
- High Volume Exact Keywords
- Low Volume Broad Keywords
- Low Volume Exact Keywords
- Atlanta Metro
- Boston Metro
- California
- California - test
- Campaign #1
- Chicago Metro
- Colorado
- Connecticut
- Dallas - Metro area
- Delaware
- Florida
- Georgia
- Hawaii
- Houston metro
- Idaho
- Shared library
- Bulk operations
- Reports and upload
- Labels

All online campaigns - Campaign: Arizona

Enabled Type: Search Network only - All features Edit Budget: \$500/day Edit Targeting: United States Edit Active bid adjustments: Device

Ad groups Settings Ads Keywords Ad extensions Auto targets Dimensions

All but deleted ad groups Segment Filter Columns Search

Clicks VS None

150 75 0 Jan 1, 2014 Jan 31, 2014

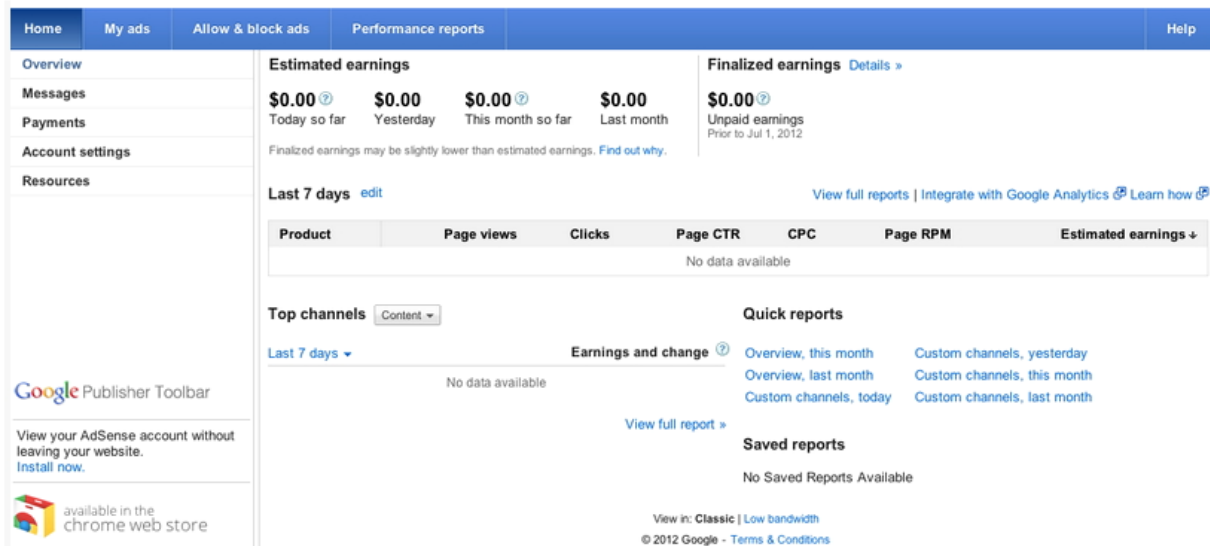
View Change History

KEYWORDS Edit Details Bid strategy Automate Labels

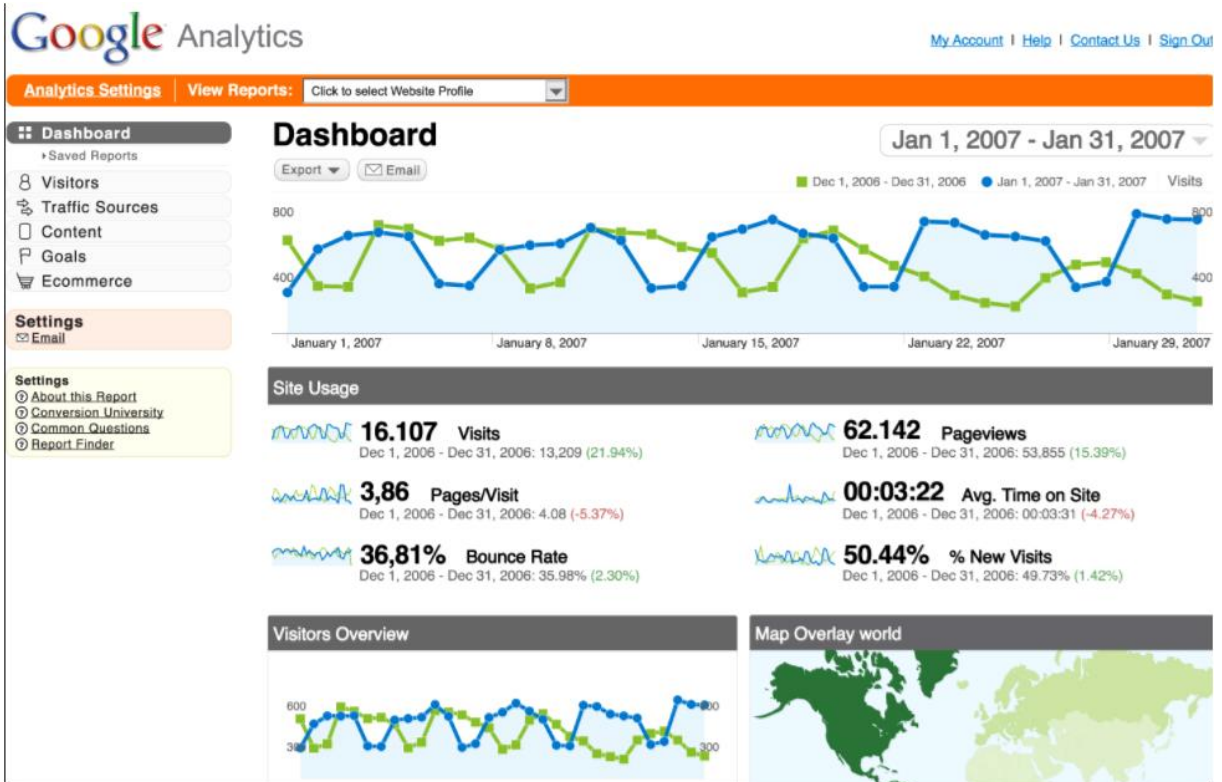
Ad group	Status	Default Max. CPC	Clicks	Imp.	CTR	Avg. CPC	Cost	Avg. Pos.	Conv. (many-per-click)
High Volume Exact Keywords	Eligible	Eligible	1,589	50,281	3.16%	\$3.89	\$6,181.21	1.5	423
High Volume Broad Keywords	Eligible	Eligible	1,336	28,919	4.62%	\$5.03	\$6,720.08	1.2	589
Low Volume Broad Keywords	Eligible	Eligible	42	8,389	0.50%	\$2.05	\$86.10	3.3	12
Low Volume Exact Keywords	Eligible	Eligible	30	2,312	1.28%	\$1.53	\$45.90	3.1	8
Total - Search			2,997	89,901	1.25%	\$3.52	\$13,033.29	3.1	1,032
Total - Display Network			0	0	0.00%	\$0.00	0	0	0
Total - all ad groups			2,997	89,901	1.25%	\$3.52	\$13,033.29	3.1	1,032

Reporting is not real-time. Clicks and Impressions received in the last three hours may not be included here. There is an 18+ hour delay for some metrics. Time zone for all dates and times: (GMT-08:00) Pacific Time. [Learn more](#)

1.3.3 AdSense



1.3.4 Google analytics



1.3.5 Gtabulky

02 - Speciální funkce - Filtr = ☆

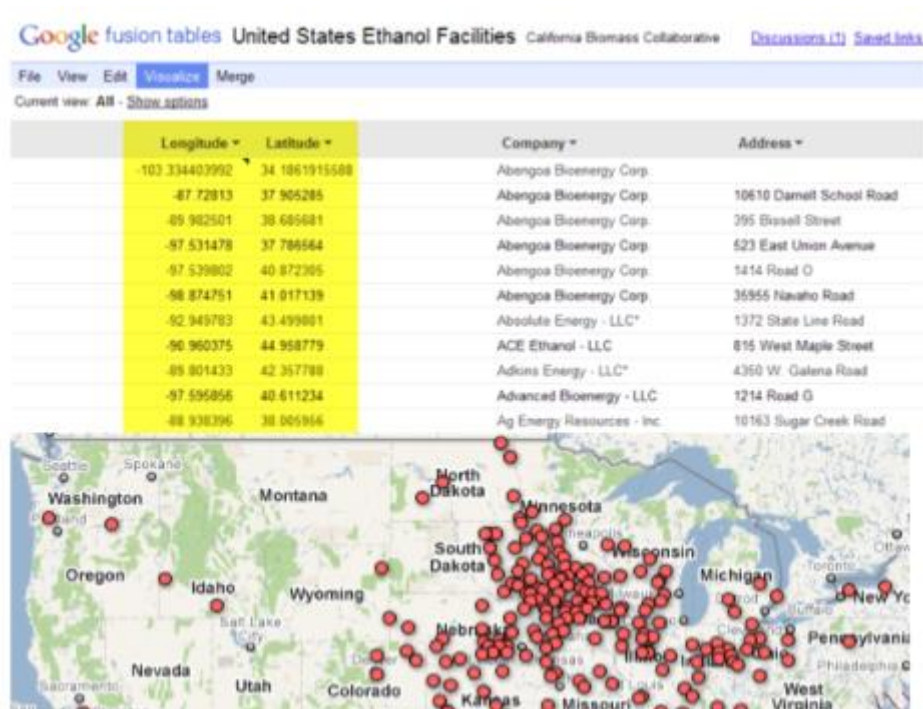
Soubor Upravit Zobrazit Vložit Formát Data Nástroje Doplnky Nápověda Poslední úp... Komentáře Sdílet

Kč % .0. .00 123 Arial 14 B I A Další

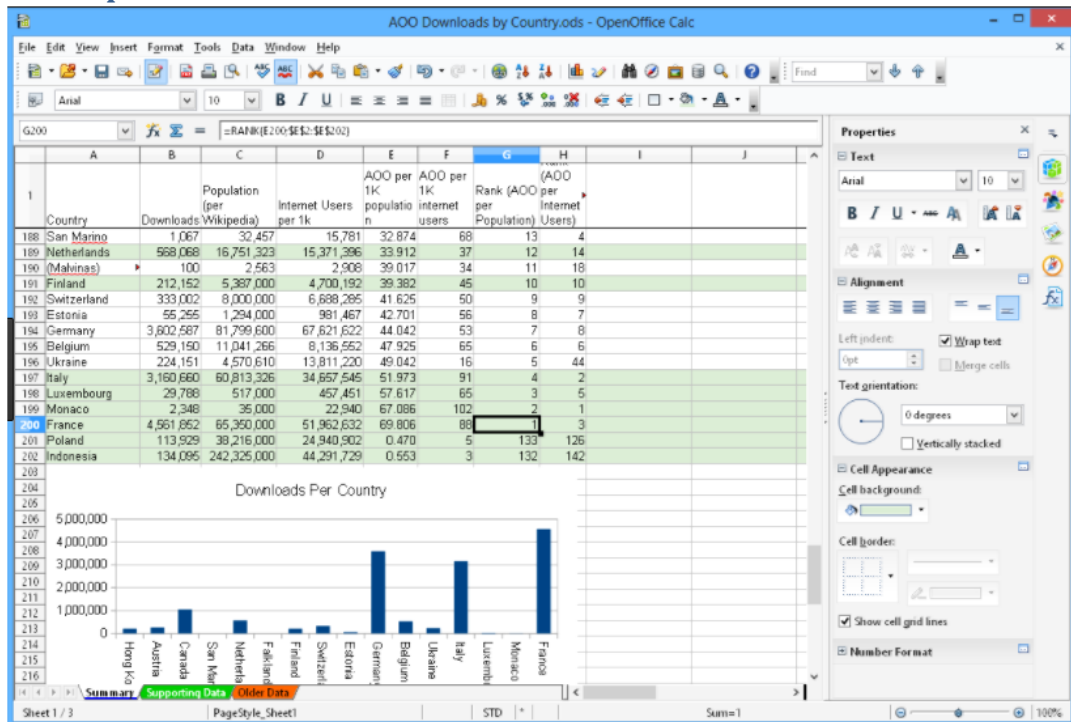
Funkce pro filtrování a řazení v Google tabulkách

	A	B	C	D	E	F
1	Funkce pro filtrování a řazení v Google tabulkách					
2						
3						
4		Name EN	Jméno CZ	Syntaxe	Popis	
5		FILTER	FILTER	FILTER(range, condition1, [condition2])	filtr na základě podmínek	
6		SORT	SORT	SORT(range, sort_column, is_ascending, [sort_column2], [is_ascending2])	řazení	
7		UNIQUE	UNIQUE	UNIQUE(range)	unikátní hodnoty z oblasti dat	
8						
9		UNIQUE	Data	=UNIQUE(C15:C20)		
10			2		2	
11			1		1	
12			7		7	
13			1			
14			7	UNIQUE((1; 2; 3; 1; 2; 3))		
15			7		1	
16					2	

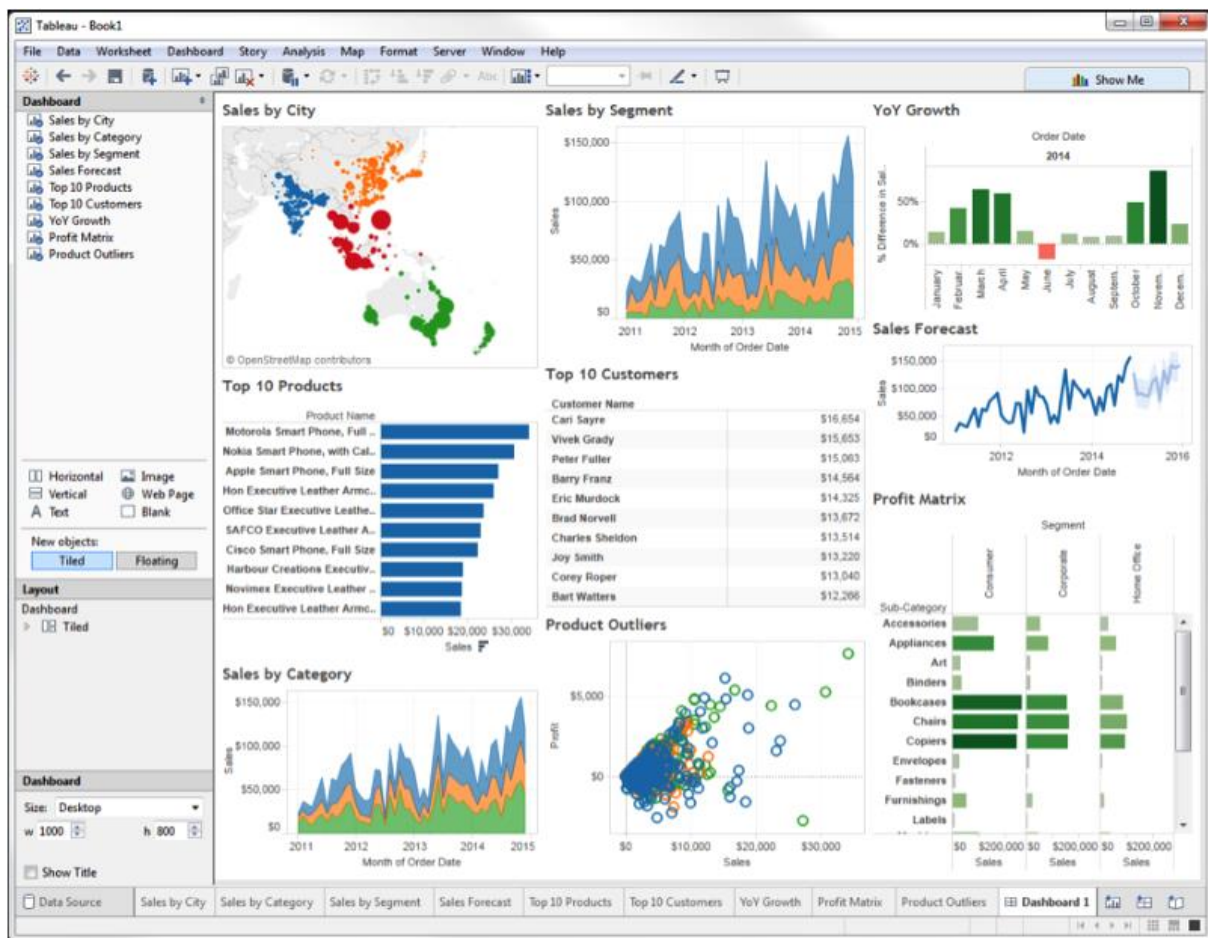
1.3.6 Fusion tables



1.4 OpenOffice



1.5 Tabelau



1.6 Rko

The screenshot shows the RStudio IDE. The script editor on the left contains the following R code:

```
1 Sys.Date()
2 Sys.time()
3 class(Sys.Date())
4 class(Sys.time())
```

The console at the bottom displays the R startup message and the workspace loaded from `~/RData`.

The environment pane on the right shows the following values:

Variable	Type	Value
a	num [1:2]	10 10
Hodnota1	num [1:4]	2 3 4 5
Hodnota2	num [1:4]	2 3 4 5
Hodnota3	num [1:4]	1.1 1.2 1.3 1.4
Hodnota4	chr [1:4]	"A" "1.2" "1.3" "1.4"

The right pane also shows the R documentation for the `format` function, titled "Encode in a Common Format".

1.7 Open refine

The screenshot shows the OpenRefine website homepage. The header features the OpenRefine logo and a tagline: "A free, open source, powerful tool for working with messy data". The main content area includes a "Welcome!" section, a "Using OpenRefine - The Book" section, and an "Introduction to OpenRefine" section.

Welcome!

OpenRefine (formerly Google Refine) is a powerful tool for working with messy data: cleaning it, transforming it from one format into another, and extending it with web services and external data.

Please note that since October 2nd, 2012, Google is not actively supporting this project, which has now been rebranded to OpenRefine. Project development, documentation and promotion is now fully supported by volunteers. Find out more about the [history of OpenRefine](#) and how you can help the community.

Using OpenRefine - The Book

Using OpenRefine, by Ruben Verborgh and Max De Wilde, offers a great introduction to OpenRefine. Organized by recipes with hands on examples, the book covers the following topics:

1. Import data in various formats
2. Explore datasets in a matter of seconds
3. Apply basic and advanced cell transformations
4. Deal with cells that contain multiple values
5. Create instantaneous links between datasets
6. Filter and partition your data easily with regular expressions
7. Use named-entity extraction on full-text fields to automatically identify topics
8. Perform advanced data operations with the General Refine Expression Language

Introduction to OpenRefine

1. Explore Data

1.8 HADOP

<http://hadoop.apache.org/>

Apache > Hadoop >



Top Wiki

Search with Apache Solr Search

Last Published: 03/28/2017 01:46:44

About

- Welcome
- What Is Apache Hadoop?
- Getting Started ...
- Download Hadoop
- Who Uses Hadoop? ...
- News
- Releases
- Release Versioning
- Mailing Lists
- Issue Tracking
- Who We Are?
- Who Uses Hadoop?
- Buy Stuff
- Sponsorship
- Thanks
- Privacy Policy
- Bylaws
- Committer criteria
- License
- Documentation
- Related Projects

Welcome to Apache™ Hadoop®!

What Is Apache Hadoop?

The Apache™ Hadoop® project develops open-source software for reliable, scalable, distributed computing.

The Apache Hadoop software library is a framework that allows for the distributed processing of large data sets across clusters of computers using simple programming models. It is designed to scale up from single servers to thousands of machines, each offering local computation and storage. Rather than rely on hardware to deliver high-availability, the library itself is designed to detect and handle failures at the application layer, so delivering a highly-available service on top of a cluster of computers, each of which may be prone to failures.

The project includes these modules:

- Hadoop Common:** The common utilities that support the other Hadoop modules.
- Hadoop Distributed File System (HDFS™):** A distributed file system that provides high-throughput access to application data.
- Hadoop YARN:** A framework for job scheduling and cluster resource management.
- Hadoop MapReduce:** A YARN-based system for parallel processing of large data sets.

Other Hadoop-related projects at Apache include:

- Ambari™:** A web-based tool for provisioning, managing, and monitoring Apache Hadoop clusters which includes support for Hadoop HDFS, Hadoop MapReduce, Hive, HCatalog, HBase, ZooKeeper, Oozie, Pig and Sqoop. Ambari also provides a dashboard for viewing cluster health such as heatmaps and ability to view MapReduce, Pig and Hive applications visually alongwith features to diagnose their performance characteristics in a user-friendly manner.
- Avro™:** A data serialization system.
- Cassandra™:** A scalable multi-master database with no single points of failure.
- Chukwa™:** A data collection system for managing large distributed systems.
- HBase™:** A scalable, distributed database that supports structured data storage for large tables.
- Hive™:** A data warehouse infrastructure that provides data summarization and ad hoc querying.
- Mahout™:** A Scalable machine learning and data mining library.
- Pig™:** A high-level data-flow language and execution framework for parallel computation.
- Spark™:** A fast and general compute engine for Hadoop data. Spark provides a simple and expressive programming model that supports a wide range of applications, including ETL, machine learning, stream processing, and graph computation.
- Tez™:** A generalized data-flow programming framework, built on Hadoop YARN, which provides a powerful and flexible engine to execute an arbitrary DAG of tasks to process data for both batch and interactive use-cases. Tez is being adopted by Hive™, Pig™ and other frameworks in the Hadoop ecosystem, and also by other commercial software (e.g. ETL tools), to replace Hadoop™ MapReduce as the underlying execution engine.
- ZooKeeper™:** A high-performance coordination service for distributed applications.

1.9 KNIME

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

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1.10 rapidminer

<https://sourceforge.net/projects/rapidminer/>

Enterprise / RapidMiner

RapidMiner

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Overview

Want RapidMiner? Download it at <http://www.rapidminer.com> 

RapidMiner is the No 1 open source platform for predictive analytics. RapidMiner empowers enterprises to easily mashup data, create predictive models and operationalize predictive analytics within any business process.

[RapidMiner Web Site »](#)

1.11 Wolframalpha

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



WolframAlpha[®]

computational knowledge engine.

Enter what you want to calculate or know about:

[Web Apps](#) [Examples](#) [Random](#)

1.12 Import.io

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

1.13 Google Search Operators

<http://www.sourcinghacks.com/google-search-operators-and-more/>

1.14 NodeXL

<http://nodexl.codeplex.com/>

