

Discover the Power of Words



PROVALIS
RESEARCH

THE POWER OF WORDS



QDA MINER

Qualitative and mixed methods software with unparalleled computer-assisted coding, analysis and report writing capabilities.

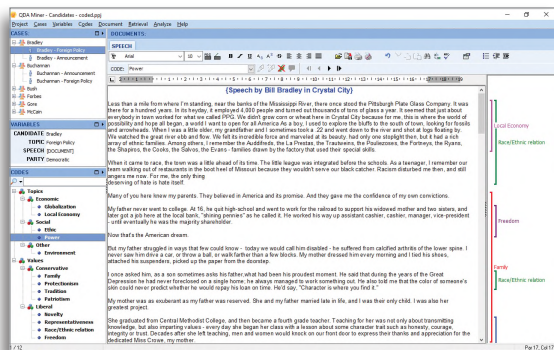
Unparalleled features for importing, analyzing and visualizing your qualitative data.

QDA Miner is an easy-to-use qualitative analysis software for organizing, coding, annotating, retrieving and analyzing collections of documents and images.

QDA Miner's seamless integration with WordStat, a content analysis and text mining module and SimStat, a statistical analysis tool, gives you unprecedented flexibility to analyze text and relate its content to structured information, including numerical and categorical data.

IMPORT

- Import Word, Excel, HTML, XML, SPSS, Stata, NVivo, PDFs, as well as images. Connect and directly import from social media, emails, web survey platforms, and reference management tools.

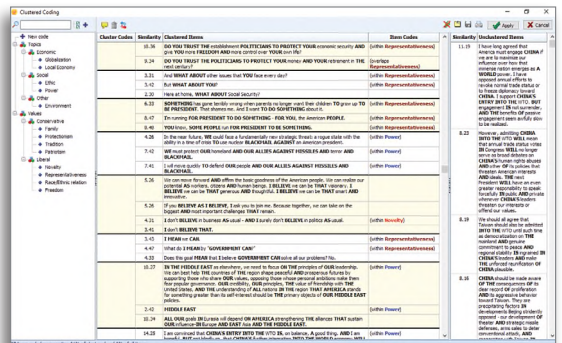


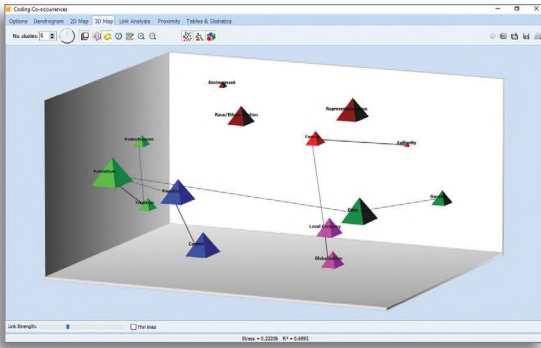
CODING

- Code and annotate text segments and images using features that provide greater flexibility and ease of use.

ADVANCED TEXT SEARCH

- Achieve faster and more reliable coding with unique text search tools (query-by-example, cluster coding, code similarity search).



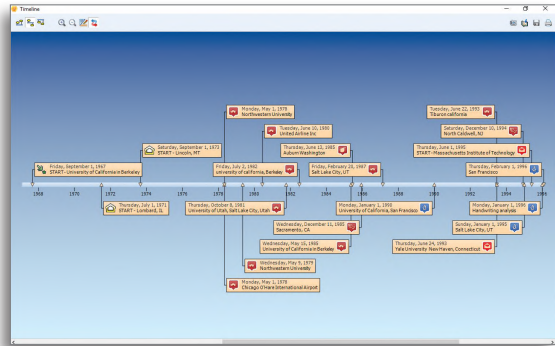


ANALYSIS

- Explore data, and identify patterns and trends using integrated statistical and visualization tools such as clustering, multidimensional scaling or correspondence analysis.

GIS MAPPING AND TIME TAGGING

- Associate geographic and time coordinates to text segments. Retrieve coded data, based on time and location, and plot events on timelines and maps.



Inter-rater agreement

Analysis: LIST OF YES

Search: [SEARCH]

Codes: [Substitutions and Economy/Ethic/Power/Environment/Functions/Identity/Values/Ethnic relation/Agreement/Innerness/Family/Protectors/Tradition/Futurity]

Agreement statistics: [Agreements most overlap] [Overlap: 90.2%] [Common absence as agreements]

Statistics: [Scott's P]

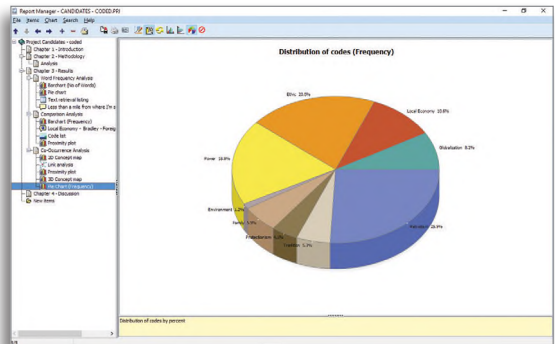
CODE	AGREE ABSENT	AGREE PRESENT	DISAGREE	PERCENT	SCOTT'S P
Relationship	47	3	2	100.0%	-0.143
Ethic	47	4	1	88.8%	-0.059
Freedom	55	1	1	98.7%	-0.200
Globalization	55	1	1	98.7%	-0.200
Paternalism	39	11	2	91.7%	-0.043
Power	47	3	2	100.0%	-0.143
Race/Ethnic relation	47	0	0	100.0%	-0.070
Representativeness	39	10	3	87.0%	-0.143
Tradition	47	3	2	75.0%	-0.143
Ethnic	47	3	2	75.0%	-0.143
Family	47	4	1	88.8%	-0.059
Freedom	55	1	1	98.7%	-0.200
Globalization	55	1	1	98.7%	-0.200
Power	47	3	2	100.0%	-0.143
Paternalism	39	11	2	91.7%	-0.043
Power	47	3	2	75.0%	-0.143
Representativeness	39	10	3	87.0%	-0.070
Tradition	47	3	2	75.0%	-0.143
Ethnic	55	1	2	98.7%	-0.200
Paternalism	39	11	2	91.7%	-0.043
Representativeness	47	10	3	97.0%	-0.143
Tradition	47	3	2	75.0%	-0.281
Ethnic	39	11	2	81.7%	-0.043
Power	47	3	2	59.0%	-0.183
Race/Ethnic relation	47	0	0	100.0%	-0.070
Representativeness	39	10	3	87.0%	-0.143
Tradition	47	3	2	75.0%	-0.143
TOTAL	N/A	47	19	75.8%	-0.138

TEAMWORK

- Get unparalleled teamwork support with multiuser settings, a coding merge feature, annotations, an inter-rater agreement module for assessing coding reliability and use the command log function to review code entries.

REPORT MANAGER

- Store queries and analysis results, tables, graphs, notes and quotes in a single location. This is ideal for organizing findings, and quickly generating reports.





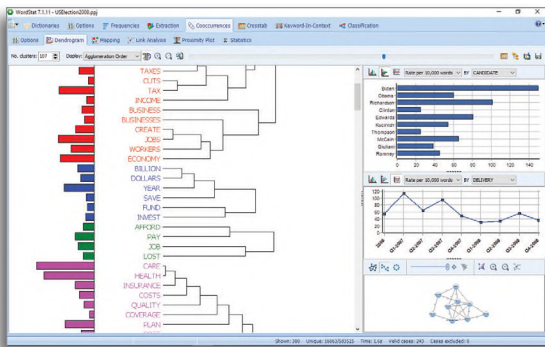
WORDSTAT

Content analysis and text mining add-on module for fast and precise processing of large amounts of unstructured information.

Do you need to extract information from large amounts of text data?

Whether you need a text mining tool for fast extraction of themes and trends or to achieve careful and precise measurements with state-of-the-art quantitative content analysis methods, WordStat provides a unique combination of both approaches in a flexible and easy-to-use text analytics software.

WordStat's seamless integration with QDA Miner, a qualitative data analysis software, SimStat and Stata, statistical data analysis tools, gives you unprecedented flexibility to analyze numbers and text and relate unstructured data to structured information.

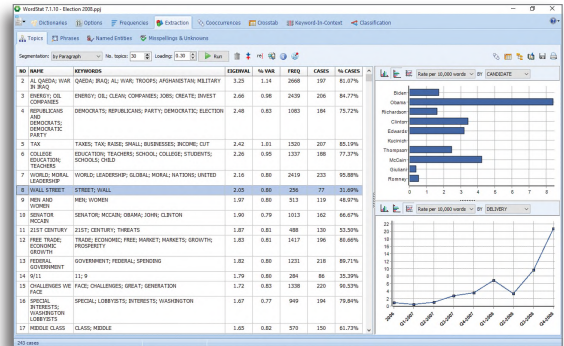


EXPLORATORY TEXT MINING

- Extract themes and automatically identify patterns using clustering, multidimensional scaling, proximity plots and more.

TOPIC MODELING

- Get a quick overview of the most salient topics from large text collections by using state-of-the-art automatic topic extraction techniques.



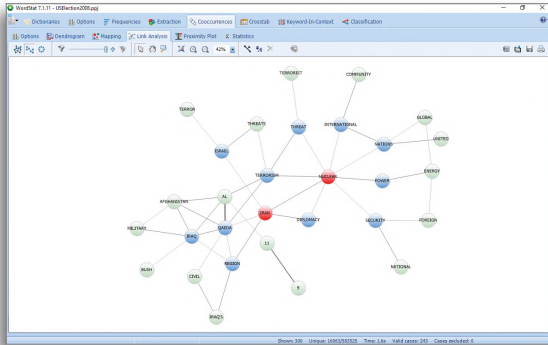
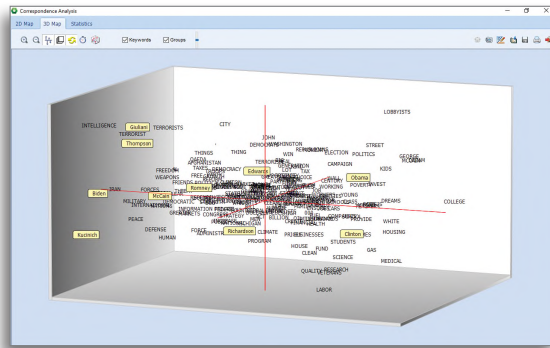
CATEGORIZATION DICTIONARIES

- Achieve full text analysis automation using existing dictionaries or create your own categorization model with unique computer assistance for building taxonomies.

INITIAL	KEYWORD	FREQUENCY	% SHOWN	% PROCESSED	% TOTAL	NO. CASES	% CASES	F1-SCORE
ENGLISH LIST	CREATE	383	0.47%	0.16%	0.07%	134	61.4%	0.61
NAVY CATEGORY	MULLOY	383	0.47%	0.16%	0.07%	133	61.73%	100.0
ENGLISH	NUCLEAR	281	0.47%	0.16%	0.07%	82	36.6%	100.0
ENGLISH	WOMEN	277	0.47%	0.16%	0.07%	110	62.73%	100.0
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	121	61.1%	100.0
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	151	82.14%	78.2
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	169	91.0%	82.4
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	177	92.77%	85.1
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	158	80.5%	82.4
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	86	39.69%	148.4
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	154	82.01%	81.1
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	123	54.2%	102.8
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	111	64.08%	100.0
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	109	59.79%	84.8
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	105	50.18%	100.0
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	115	47.74%	100.0
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	109	48.69%	100.0
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	118	48.57%	100.0
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	109	48.69%	100.0
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	102	50.2%	88.8
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	108	50.18%	81.9
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	84	24.1%	102.8
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	107	48.15%	102.5
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	103	54.2%	85.9
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	103	54.2%	85.9
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	102	54.2%	85.9
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	109	59.79%	84.8
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	109	59.79%	84.8
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	109	59.79%	84.8
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	121	49.79%	82.4
ENGLISH	WORLD	267	0.47%	0.16%	0.07%	78	31.1%	147.4

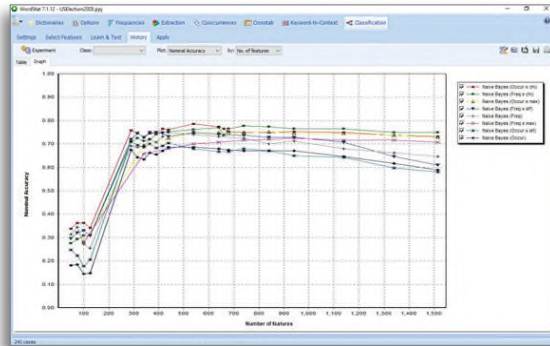
COMPARATIVE ANALYSIS

- Explore relationships between unstructured text and structured data with statistical and graphical tools (correspondence analysis, heatmaps, bubble charts, etc.).



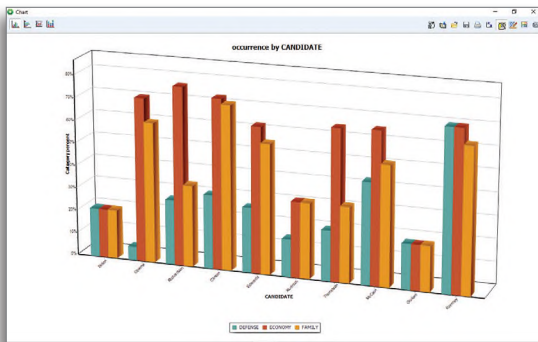
LINK ANALYSIS

- Explore relationships among words or concepts and retrieve text segments associated with specific connections.



MACHINE LEARNING

- Develop and optimize automatic document classification models using Naive Bayes and K-Nearest Neighbours.

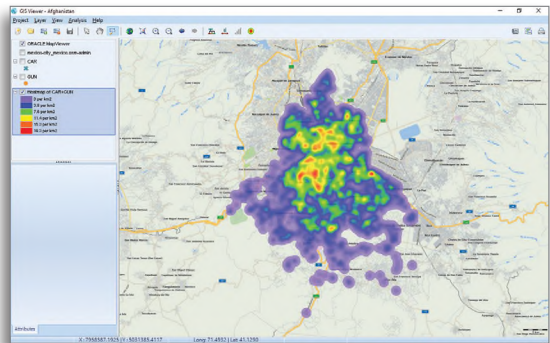


CHARTING

- Illustrate patterns and explore complex phenomena with interactive visualization tools such as bar charts, heatmaps, word clouds, MDS plots, etc.

GIS MAPPING

- Relate unstructured text data with geographic information and create maps and other graphic displays for analysis and presentations.





SIMSTAT

Powerful and user-friendly software
for statistical analysis and bootstrapping.

SimStat is an easy-to-use statistical software offering a wide range of statistics, intuitive data and output management features as well as its own scripting language to automate statistical analysis and to write small applications, interactive tutorials, computer assisted interviewing systems.

KEY STATISTICAL FEATURES

- **DESCRIPTIVE** and **FREQUENCY** analysis including frequencies table, descriptive statistics, percentiles table, bar chart, pie chart, Pareto chart, histogram, normal probability plot, box-and-whisker plot and cumulative distribution plot.
- **CROSSTABULATION**: normal crosstabulation for nominal and ordinal statistics, inter-rater agreement statistics, 3-D bar chart.
- **BREAKDOWN** analysis with box-and-whisker plot.
- **MULTIPLE RESPONSES** frequency and crosstabulation.
- **PAIRED** and **INDEPENDENT T-TESTS** with effect size measures (r and d), error bar graph, bar chart, etc.
- **ONEWAY ANOVA** with post hoc tests, effect size measures, error bar graph, bar chart, deviation chart.
- **GLM ANOVA/ANCOVA** with detailed ANOVA table, adjustment for unequal cell sizes, multiple regression statistics, test of change of R-Square, residuals analysis.
- Interactive **PARTIAL CORRELATION MATRIX** with user specified confidence interval.
- **REGRESSION** analysis including linear and seven nonlinear regression models, Durbin-Watson statistics, scatter plot, residuals analysis.
- **MULTIPLE REGRESSION** analysis including five regression methods (hierarchical entry, forward, backward, stepwise, all), ANOVA table, test of change, residuals analysis, Durbin-Watson statistic, etc.
- **CLASSICAL ITEM ANALYSIS** for multiple-choice item questionnaires.
- **SINGLE-CASE EXPERIMENTAL DESIGN** analysis with descriptive statistics, interrupted time-series graph, smoothing, trend lines and control bars.
- **RELIABILITY** analysis with item, inter-item and item-total statistics, split-half reliability, Cronbach's alpha, etc.
- **TIME SERIES** analysis including data transformation, ACF and PACF plot, smoothing techniques, control bars with user specified confidence interval.
- **FACTOR ANALYSIS** including principal components analysis and image covariance factor analysis, Q-type factor analysis, varimax rotation, scree plot, etc.
- **SENSITIVITY ANALYSIS** with false-positives and negatives statistics, sensitivity and specificity, ROC curve.
- **NONPARAMETRIC** analysis including binomial test, one sample chi-square test, runs test, McNemar test, Mann-Whitney U test, Wilcoxon t-test, sign test, Kruskal-Wallis ANOVA, Friedman two-way ANOVA, Kolmogorov-Smirnov test for two samples and goodness of fit test, Moses test of extreme reactions, median test (two or more samples).
- **NONPARAMETRIC ASSOCIATION MATRIX** including Somer's D, Spearman's Rho, Dxy and Dyx, Goodman Kruskal's Gamma, Tau-a, Tau-b, and Tau-c, etc.
- **BOOTSTRAP RESAMPLING** analysis for seven univariate and 21 bivariate estimators, descriptive statistics, percentile table, nonparametric confidence intervals, nonparametric power analysis, random sampling simulation, histogram. Also includes **FULL ANALYSIS BOOTSTRAP** resampling for more comprehensive evaluation of bivariate and multivariate analysis.

PROSUITE

ProSuite is an integrated collection of Provalis Research's text analytics tools, QDA Miner, WordStat and SimStat.

ProSuite allows you to perform advanced computer assisted qualitative coding on documents and images using QDA Miner, to apply the powerful content analysis and text mining features of WordStat on textual data, and to perform advanced statistical analysis on numerical and categorical data using SimStat. The interoperability of these powerful tools allows researchers to integrate textual and numerical data into a single product and to seamlessly move back and forth between qualitative and quantitative data analysis.



OUR VISION

At Provalis Research we strongly believe that a single text analysis task often profits from combining several methods; our text analytics software facilitates this type of integration. You may combine, in many ways, the automatic content analysis and text mining features of WordStat with the manual coding and annotation available in QDA Miner.

OUR COMPANY

Provalis Research has been developing text analytics platforms with groundbreaking qualitative and quantitative mixed methods software since 1989. We have a proven record of accomplishment in designing and bringing to market tools that are essential to researchers and specialists the world over.

London School of Economics (UK), General Electric, US Department of Defense, George Washington University, Bank of America, NASA, Harvard Business School, Ford Motors, Statistics Canada, Carnegie Mellon University, Verizon, Southwest Airlines, McGill University (Canada), Gallup, Center for Disease Control, Cornell University, Pfizer, Federal Reserve Bank (US), University of Cape Town (South Africa), Walt Disney World, Health Canada, University of Copenhagen (Denmark), Boston Consulting Group, MITRE Corporation, University of Washington, eBay, National Cancer Institute, Cambridge



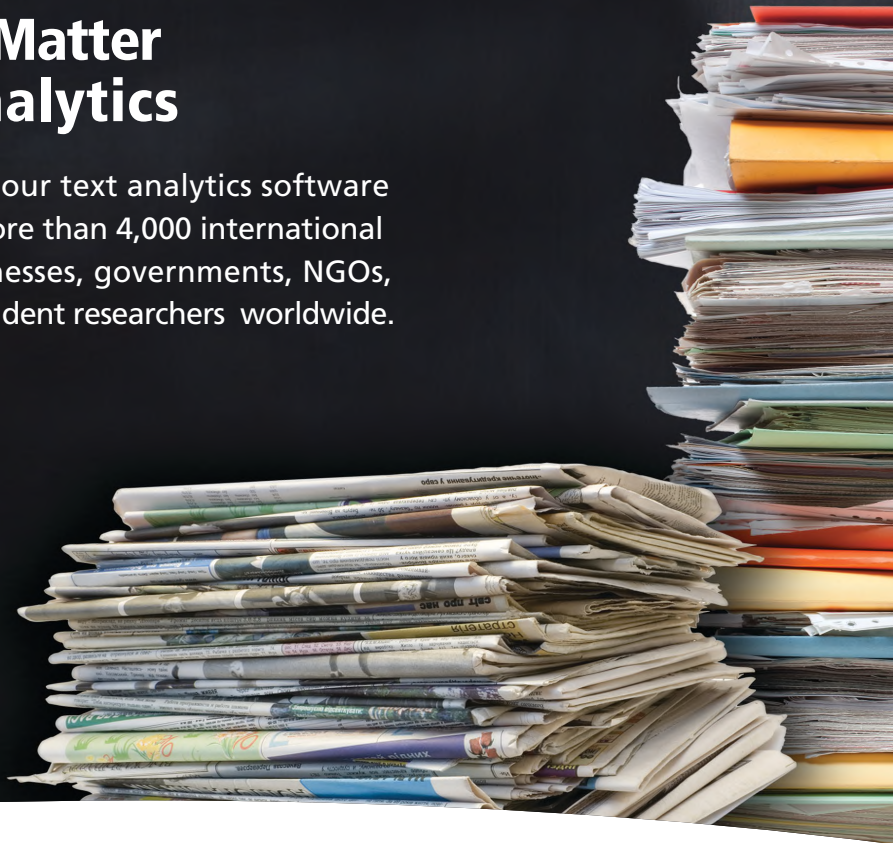
Make Text Analytics Work for You

Our software has many practical applications including: qualitative research, analysis of open-ended questions, market research, media framing, sentiment analysis, competitive intelligence and much more... It helps researchers develop smarter marketing strategies, measure and improve customer satisfaction, raise safety standards, improve supply chain management, assess political discourse and evaluate public policy.

These are just a few of the practical uses of our software, for more examples as to how you can use text analytics, visit our website at provalisresearch.com

Make Words Matter with Text Analytics

Discover the power of our text analytics software and why it's used by more than 4,000 international companies, small businesses, governments, NGOs, universities and independent researchers worldwide.



TO SCHEDULE A WEB DEMO OR FOR MORE INFORMATION ON OUR PRODUCTS, CONTACT US AT:

Toll Free **1 855 355-5252** or **1 514 899-1672**

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