

GEOSPATIAL INTELLIGENCE meets TEXT ANALYTICS

» Mixing GIS and Text Analytics for Better Insight

Geographic information systems (GIS) are digital technologies for storing, analyzing, and displaying, geographic information. They allow one to reveal the spatial and geographical nature of complex social phenomena through the production of static and dynamic maps. These tools often use data that is quantitative or categorical in nature. They are less well suited for leveraging the richness of information stored in unstructured text data such as interview transcripts, tweets, crime narratives, customer feedback, field notes, or in photographic images.

Computer assisted qualitative data analysis software (CAQDAS) and text analytics techniques have proven more valuable for extracting insightful information from such unstructured sources. They can provide rich details for better understanding complex social phenomena, such as people's perceptions and interpretations, or reveal hidden factors or unexpected connections underlying those phenomena.

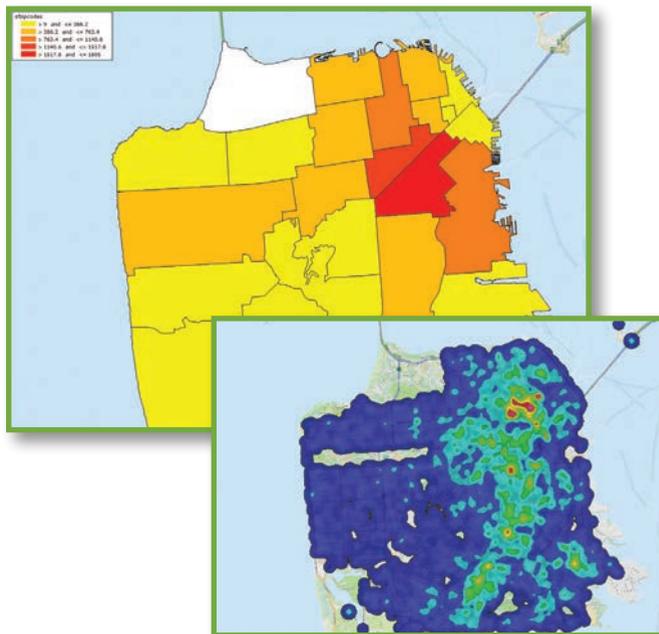
Provalis Research's QDA Miner and WordStat provide a unique integration of GIS mapping, qualitative analysis and text analytics features, allowing one to relate unstructured text data with geographic information to create maps, timelines, and other graphic displays to enhance your analysis and presentations. The software is equally adept at utilizing location-based data embedded in text, linked with another source or stored separately from the unstructured text.

DISTRIBUTION MAPS

- Create layers from various vector file formats and produce choropleth maps to represent point density, demographic information stored in shapefiles, or statistical summaries of numerical values associated with text segments.
- Easily adjust the color range, the number of steps and level of transparency.

HEATMAPS

- Visualize the density of data points with heatmap displays to easily identify customer concentrations, crime hot spots, or disease outbreaks.
- Choose from a wide variety of color ramps or create your own.
- Create heatmaps on all data points or on selected regions.



OTHER GIS FEATURES

- Natively opens and displays a wide range of vector, image, grid, and SQL database layer formats, including advanced spatial server geodatabases, WMS, WFS, and WMTS mapping services.
- Comprehensive visual layer property, legend, and scale controls provide for deep customization of the map appearance.
- Create, edit, translate, and export map layers into a number of vector, image, grid, and SQL database formats.
- Support for coordinate systems with on-the-fly layer reprojection between thousands of predefined geographic and projected coordinate systems or any coordinate system defined from 150+ projections and 900+ datums.
- Integrated geocoding of cities, countries, zipcodes, and IP addresses.
- Extract gazetteers from SHP, KML, KMZ, GPX, or from our online geographical database.

Download a trial version at: provalisresearch.com/trial