

SEMANTIC **CASE** SE

SEMANTIC TOOL TO INCREASE
DATA ANALYSIS CAPABILITY
AND IMPROVE STRATEGIC
DECISIONS IN ORGANIZATIONS
AND IN THE COMPANY
PROCESSES



REVEALS THE POTENTIAL OF WRITTEN TEXTS

ANALYZE

WRITTEN TEXTS TO ENHANCE INFORMAZIONI

SemantiCase is a simple but powerful software procedure for analyzing all types of open texts through NLP models, reducing effort and complexity of the analysis.

Through the integration in its back-end of complex mathematical-probabilistic models of semantic representation, it allows each operator to start the analysis through a user-friendly system, delegating the experts' intervention not in the data organization and onerous classification phase, but directly in the most important phase of interpreting results. The dashboard allows to consult results in an integrated interface, facilitating reporting processes to support decision-making processes.



TYPES OF DATA

ANALYZED IN SEMANTICASE



Data tables

Data files (eg Excel) and / or extraction table data (via connected DB).

The dataset is imported into the system ensuring the elimination of duplicates and the preliminary formal data validation.



Documents

Corpus of documents (heterogeneous by extension pdf, doc, ppt, html, json, txt, etc.) or from web links, with or without an index file. The import automatically extracts the digital text.

For scanned documents it is possible to perform an OCR pre-processing.



Audios

Corpus by audio files. The import unifies the audio formats, and proceeds with the extraction of the text through speech-to-text models and encoding of times and pauses.

ANALYSIS CONFIGURATION



LANGUAGE SETTING AND DATA CLEANING

Language setting to apply basic language cleaning criteria, definition of additional parameters (synonyms and custom stopword, and number and date cleaning criteria)



SEMANTIC ANALYSIS TYPOLOGIES

Choice between fast or accurate processing model for calculating the best representation of textual data.



SENTIMENT ANALYSIS

Enabling the sentiment dictionary for language.



WORD STATISTICS

Enabling the analysis on word frequency and keyness.

RESULTS DASHBOARD

Frequent words statistics

Identify the most popular words by frequency and rank them according to the different states of a variable.

Exclusive words statistics

Identify the distinctive and exclusive words for each state of a structured variable that accompanies the texts.

Sentiment and emotions analysis

Analyze opinion polarization and its trends over time and in relation to covariates with a statistics on expressed or denied emotions.

SEMANTICASE

Topic identification

Identify cross topic and argument by stochastic models for the words co-occurrences.

Content variance

Study words characteristic for an argument in relation to the text covariates state.

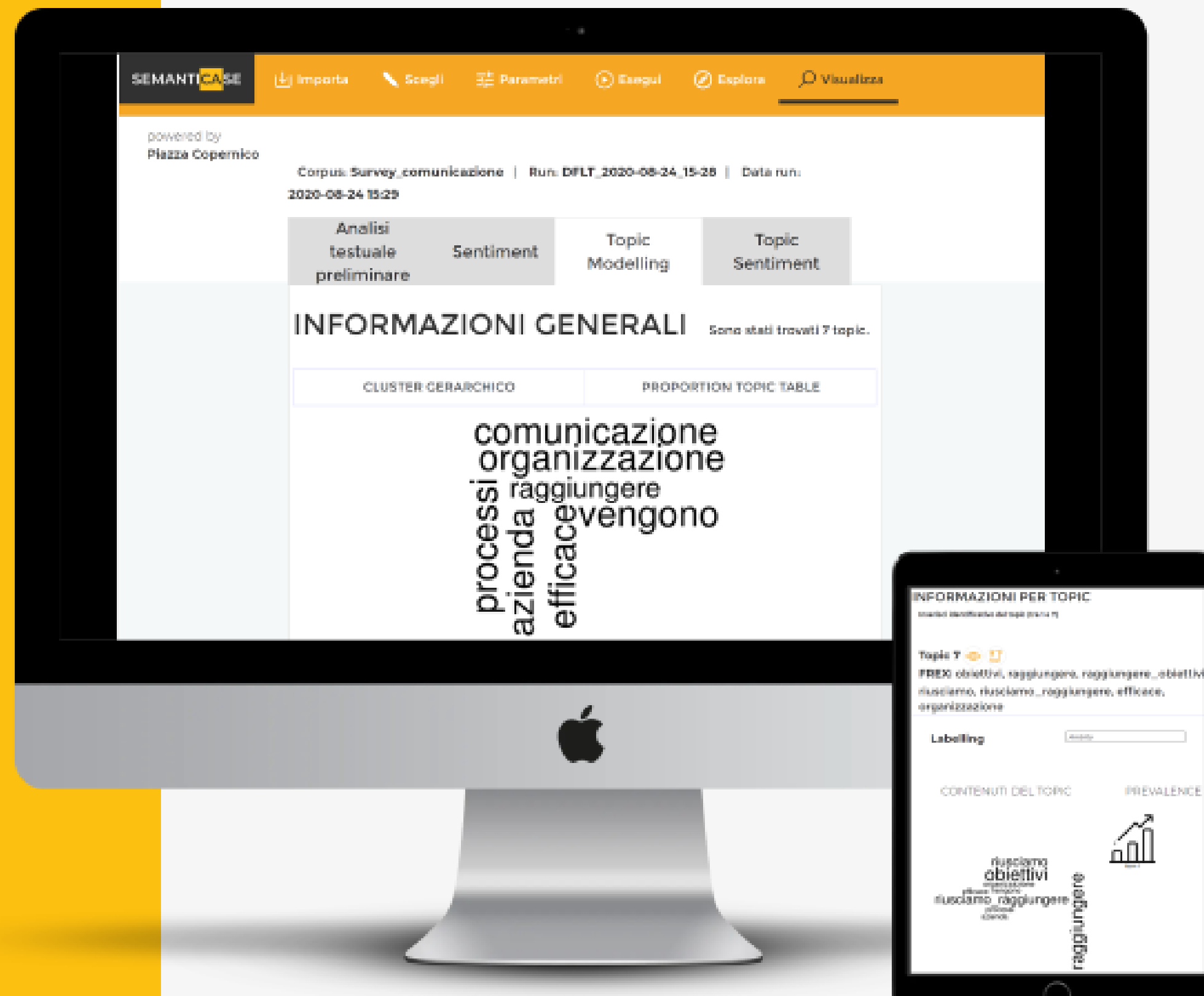
Single or mixed-effect trends

Study topic trends or differentiation based on descriptive covariates (mixed effects)

USER-FRIENDLY

& MOBILE

DASHBOARD





Customer Care

In customer care for the periodic analysis of commercial and technical complaints or assistance requests (including voice messages).

Analyzing complaint topics, trends over time, the sentiment index and investigate the predictive words for churn.



Hr & e-learning

In different phases of Human Resources management, to enlight meanings in written texts (from the CV, to company knowledge, from teams to performance, from training needs to the organizational climate). Information contributes to efficient decision-making behaviors.



Documentale

Application of semantic analysis techniques for the elaboration of company documentation to be used in intelligent research anche knowledge bases interrogation, or for the integration of semantics in document management processes.

MAIN APPLICATION FIELDS FOR SEMANTIC ANALYSIS

USE

SINGLE REPORT

- 1 DATASET
- ANALYSIS AND REPORT

Client's data are processed by Piazza Copernico and analyzed using available tools. An overall document is prepared to share and explain data results and their trends and meanings.

MODELS

LICENZA SOFTWARE

- 1 OPERATOR LICENCE
- 3 VIEWER LICENCES
- 2 MONTHLY ANALYSES
- (OPTIONAL) CONSULTING

The license provide:

- the analysis environment for autonomous management,
- training on the tool and on the data interpretation,
- some additional viewer users .

If useful, it is possible to activate the consulting option for the monthly analysis of one or more datasets.



REQUEST A DEMO

Request a presentation meeting on tool characteristics to better understand its potential.

CONTACT

 TEAM@SEMANTICASE.IT

EVALUATE THE FEASIBILITY OF YOUR PROJECT

Send a request for the feasibility check of your project or Semanticase use in a specific application field. Send a request briefly illustrating your need.
An introductory meeting will allow you to deepen the potential of semantics for the reference sector.