

Interactive Visual Data Analysis with Shiny Applications: Interactive Text Mining Suite and Language Variation Suite

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The main objective is to introduce researchers to user-friendly analytical tools. ITMS and LVS are two web-based tools for visualization and quantitative analysis. In contrast to existing software programs (e.g., SAS, SPSS, and Tableau), these two applications are built in R and require no installation or programming skills.

This hands-on workshop will provide an overview of available statistical and text-mining techniques in these tools. You will learn how to import csv, text and pdf files, create plots, and run statistical analyses, including conditional trees and random forest tests. You will also learn about natural language pre-processing techniques, such as stopwords removal and stemming. Finally, you will be able to perform topic modeling and cluster analysis.



Friday, February 3, 1:30-3pm

Social Science Research Commons Grand Hall, Woodburn Hall 200