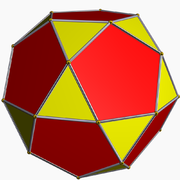
Ranked data cluster analyzation

Eric Mustee, Dan Skrodzki, Brendan Mikolajczyk



User’s Guide

Table Of Contents

Introduction ..............................................................................1

Startup …………………………………………………………….…2

Loading a File …………………………………………..…..#

Formatting Guidelines …………………………………...#

Opening a Saved Session ………………………….……….#

Settings…...……………… …………………….………….…..……#

Cluster Analyzer……… …….……………………………..#

Data Description ………………...…………………………#

Random Data Generation #

Interpreting the Results ……………………………………………#

Saving/Exporting #

Troubleshooting ……………………………………………….…..#

Glossary …………………………………………………………....#

Introduction

What is a ranking?

Rankings are a relationship between a set of objects such that one object is better, or ranked higher than another. For instance, a list of one's favorite ice cream cones is a ranking.

What does this software do?

This program clusters rankings. This means finding rankings that are similar enough, and grouping them together in a way that makes the most sense. The program computes what are called cluster centers from a set of partial rankings.

Startup

Loading a File

Before running a cluster analysis, a ranked data file must first be loaded in. To load in a file, navigate to the menu bar and select File>Import Rankings> and then browse your computer for an acceptable file type. Only **.txt** files and **.csv** files can be loaded in.

Formatting Guidelines

Acceptable ranked data files must adhere to the following rules:

* File must not contain any non-numeric characters
* Rankings cannot include the number 0 (nonzero integers only)
* Each line represents a pi vector, so no line may contain more than one of the same number
* Each line must stick to one style of appropriate delimiters
  + Appropriate delimiters include:
  + Spaces
  + Commas not followed by spaces
  + Commas followed by spaces

Example of an appropriately formatted file:

1, 2, 3, 4, 5

5,3,-4,1,2

-2 -4 5 3 1

3 5 4

-1 5 4 2

Opening a Saved Session

This program also allows you to save current settings and results into a separate **.rnkr** file. To restore a previously saved session, navigate to the menu bar and select File>Open Session> and then browse your computer for the desired **.rnkr** save file. Once this file is loaded in, all settings and results will be restored from that session.

Settings

Cluster Analyzer

# Glossary

**Term** – definition