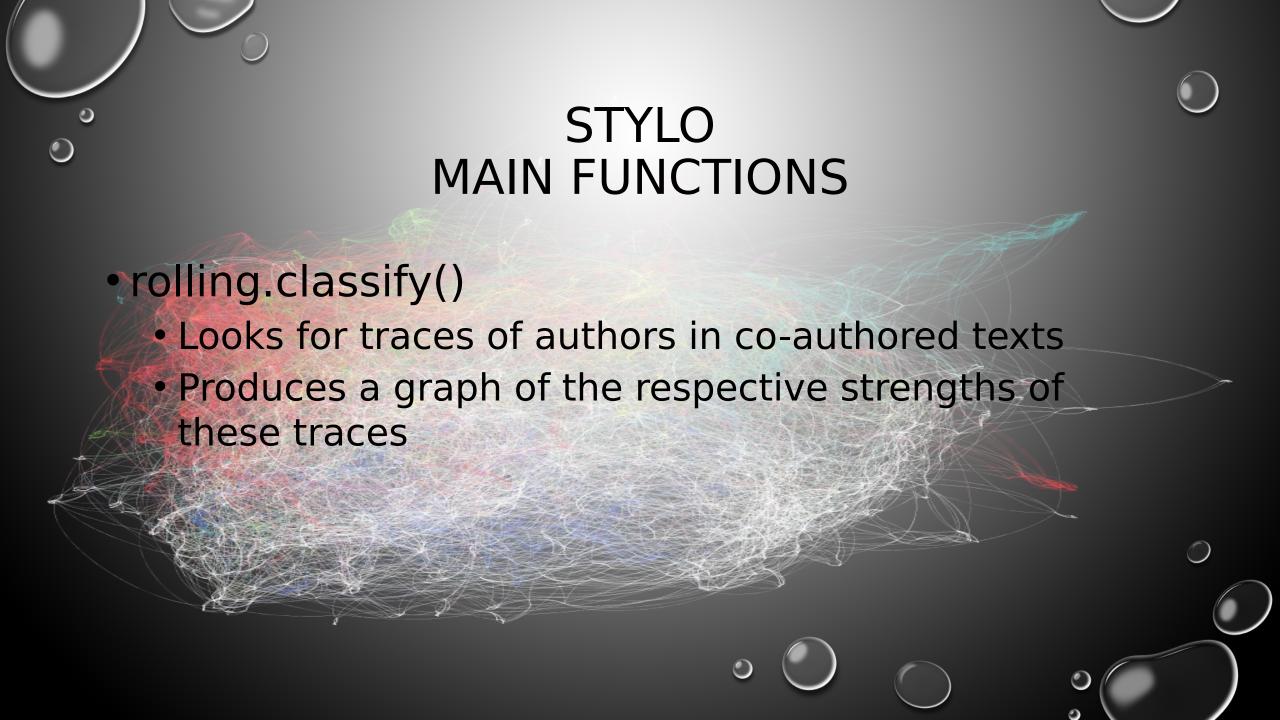


STYLO MAIN FUNCTIONS

- •stylo()
 - Calculates distances (differences) between series of most frequent words and draws graphs of those distances
 - CLUSTER ANALYSIS trees (for a single set of parameters)
 - BOOTSTRAP CONSENSUS trees (for multiple parameter settings)
 - MULTIDIMENSIONAL SCALING maps
 - PRINCIPAL COMPONENTS ANALYSIS maps

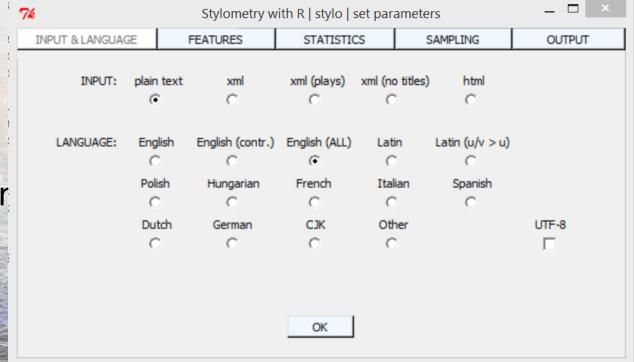
STYLO MAIN FUNCTIONS

- •oppose()
 - Cuts texts into equal-sized samples
 - Finds words characteristic for two (groups) of texts
 - These can be reused with stylo()
 - Produces a diagram of the use of each group's words



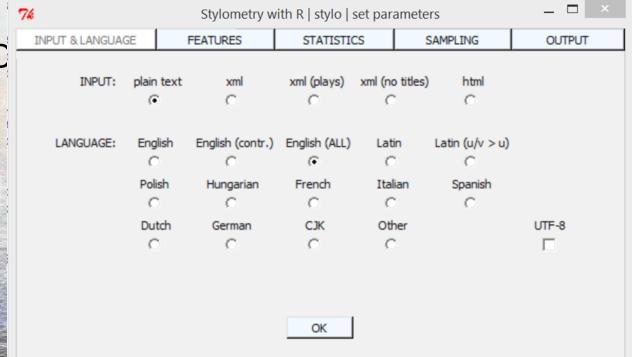


- Where are my texts?:
 - MENU:
 - FILE > CHANGE DIRECTORY >
 - E.G. English Benchmark etc
- (it contains the subfolder "cor
- but don't go there!)
- · library(stylo) < ENTER>
- stylo() <ENTER>





- INPUT: STATE YOUR TEXTS' FC
- LANGUAGE
- DON'T PRESS "OK" YET!!!





STYLO() PARAMETERS

- FEATURES: THINGS TO COUNT: WORDS OR CHARACTERS
 - ngram size: COUNT SINGLE FEATURES (1) OR THEIR CLUSTERS (>1)
- MFW SETTINGS: HOW MANY
 MOST FREQUENT WORDS TO

UNLESS WE USE "bootstrap consensus tree" IN STATISTICS; Minimum=Maximum





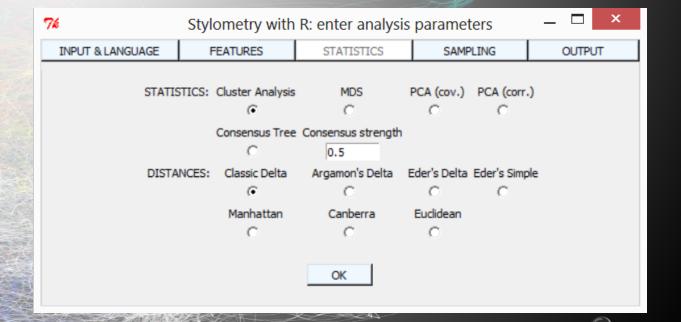
STYLO() PARAMETERS

- CULLING: MANIPULATING THE WORDLIST (0)
 - 0%: NO WORDS ARE REMOVED
 - 100%: ALL WORDS ARE REMOVED THAT DO NOT OCCUR IN ALL THE TEXTS
- DELETE PRONOUNS?
 - DON'T PRESS "OK" YET!!!



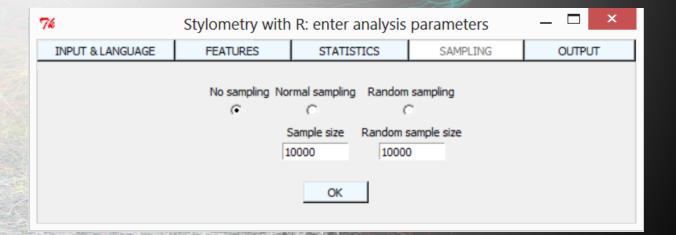


- STATISTICS: PICK STATISTICS METHOD (Cluster Analysis)
- DISTANCES: TYPE OF
 DISTANCE MEASURE (Classic
 Delta)
- DON'T PRESS "OK" YET!!!



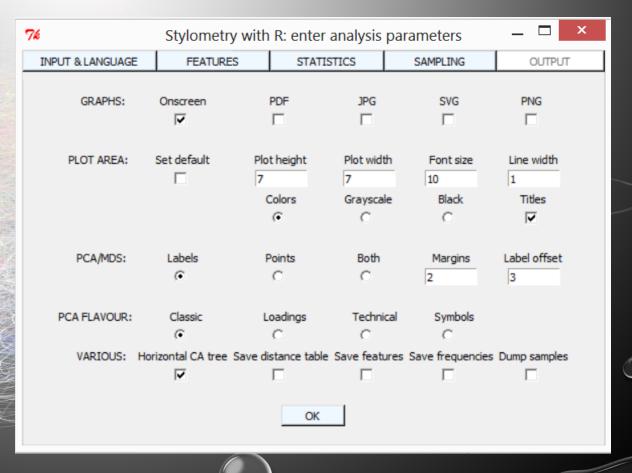


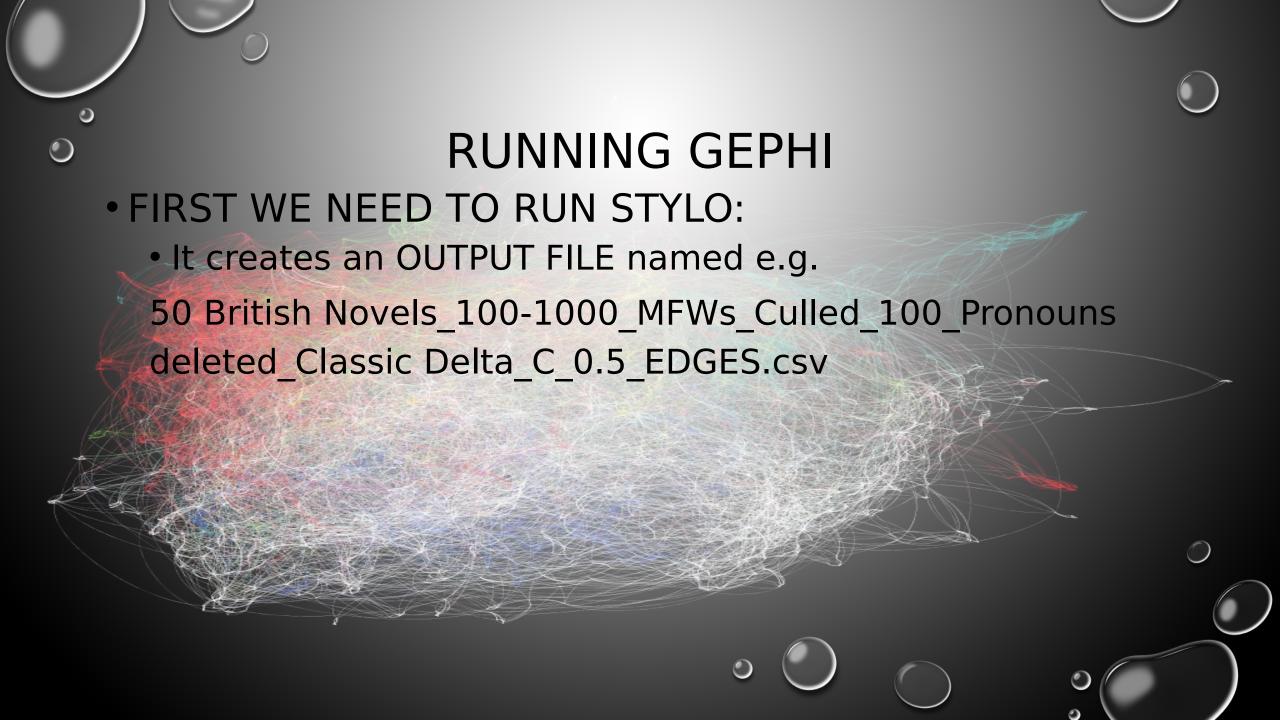
- SAMPLING: (No sampling)
 - DO I WANT TO SAMPLE THE TEXTS
 - AND HOW
- DON'T PRESS "OK" YET!!!



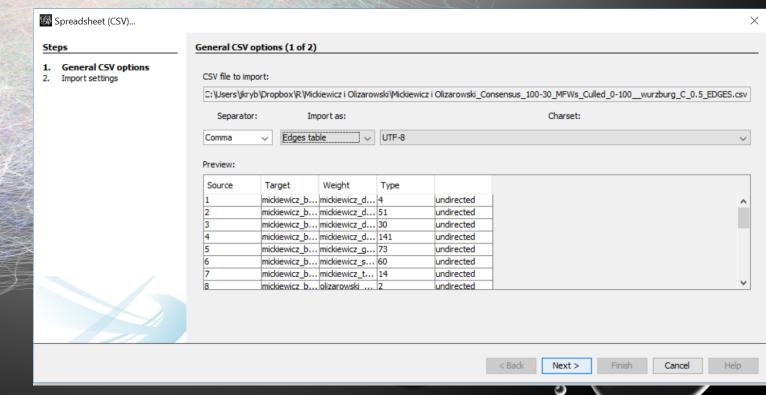


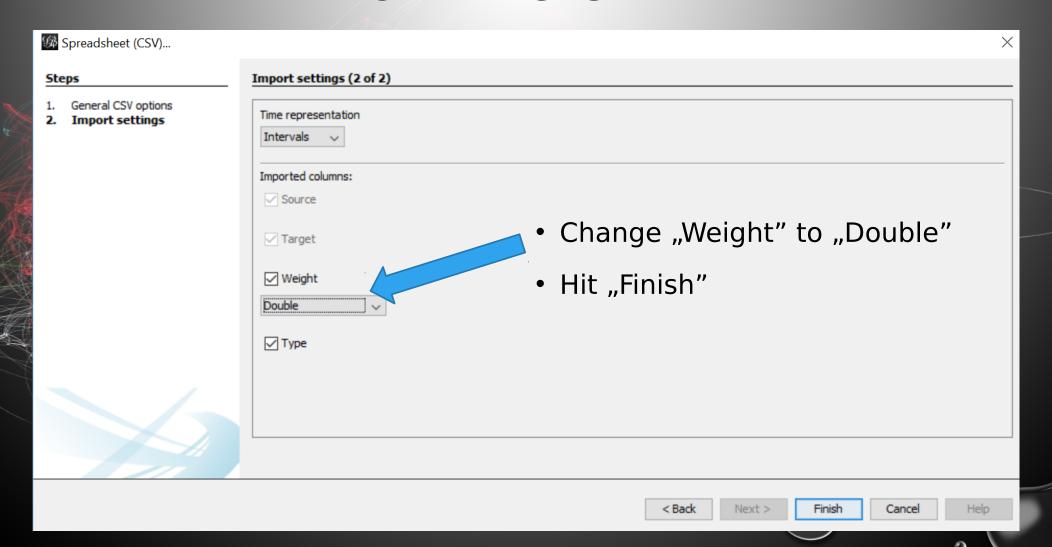
- OUTPUT: (Onscreen)
 - GRAPH FORMAT ETC.
- PRESS "OK"!!!
- WAIT FOR IT...

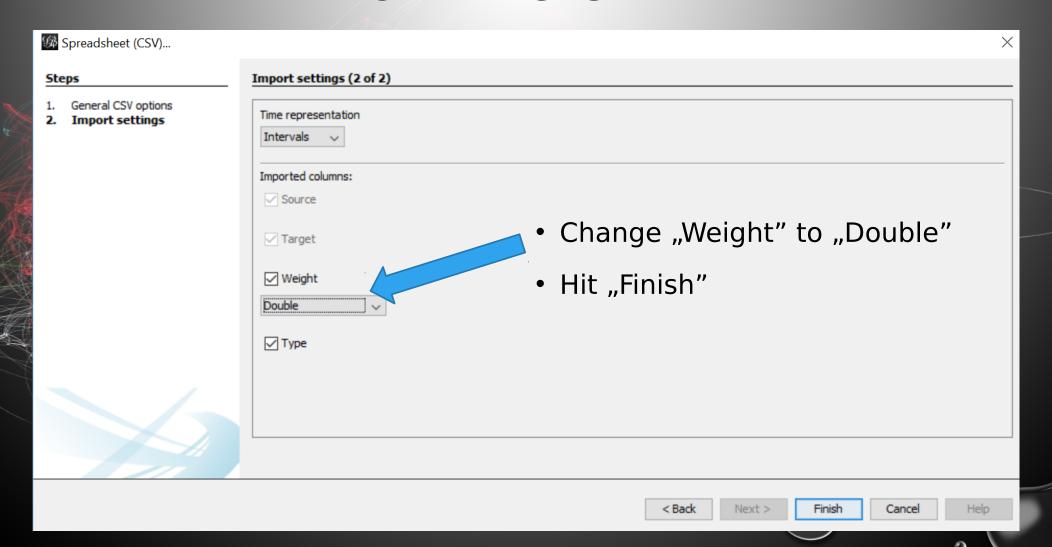


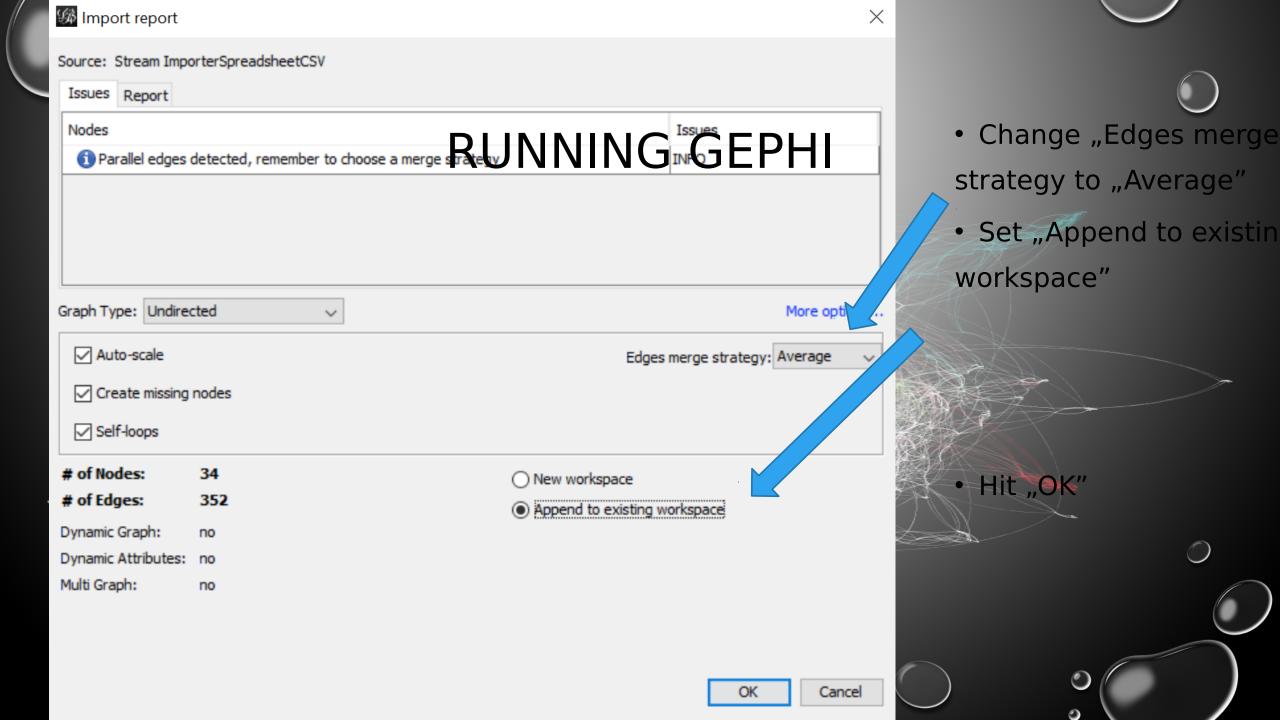


- SELECT GEPHI>NEW PROJECT
- Data laboratory>Import
 Spreadsheet
- Import settings:
 - Separation: Comma
 - As table: Edges table
 - Charset: UTF-8? Windows-
- Don't worry about this being somewhat illogical...
- Next

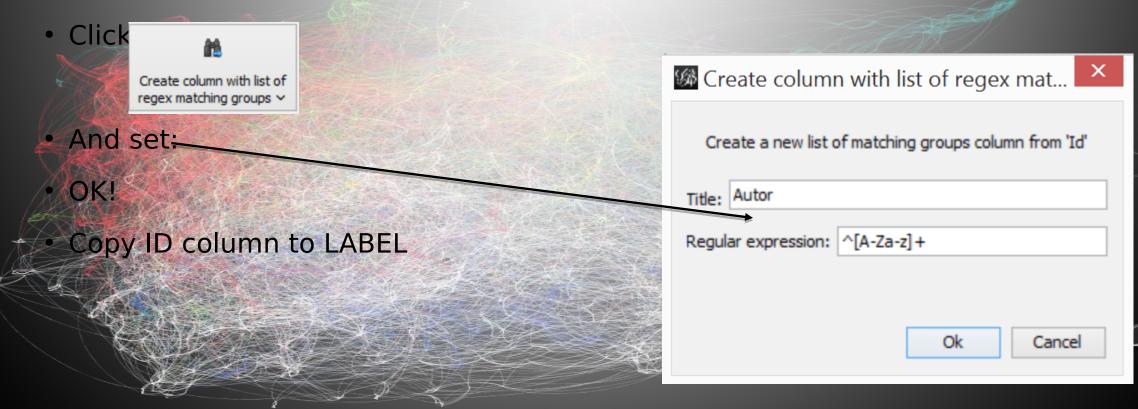


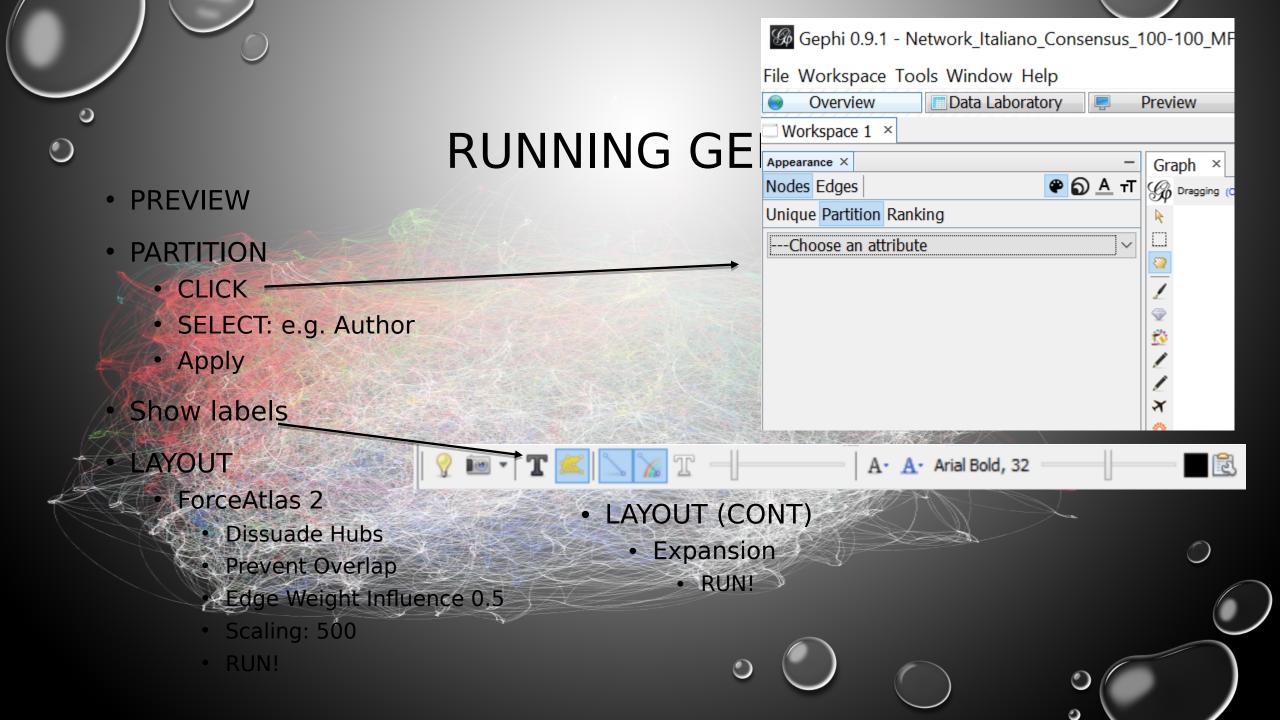






We need to get authors' names...



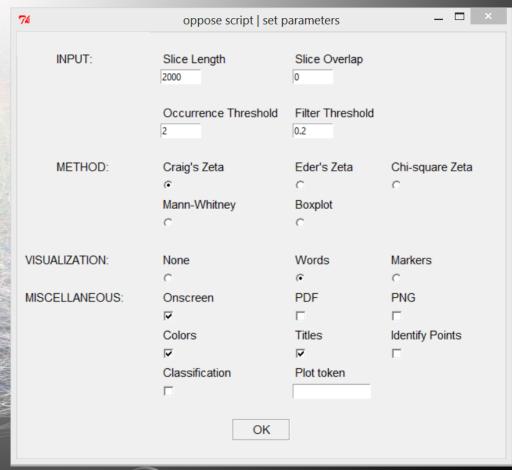


- OVERVIEW
- NODE LABELS
 - SHOW LABELS
- EDGES
 - SHOW EDGES
 - Thickness: np. 0.1, 0.01...
- REFRESH!
- Reset zoom

- SAVING
 - NETWORK:
 - File > Save
 - WITH .gephi EXTENSION
 - PICTURE:
 - File > Export > SVG/PDF/PNG
 - Options > Landscape
 - PHEW!

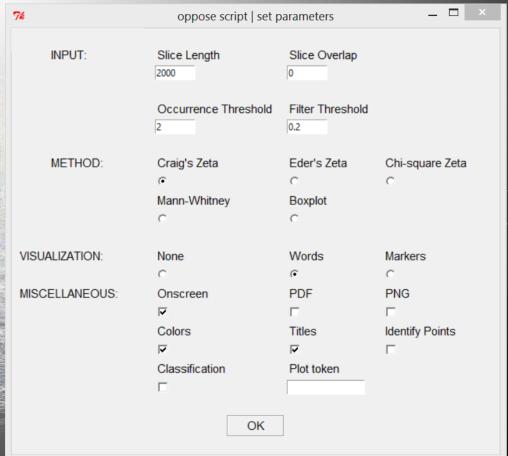
RUNNING OPPOSE

- DIFFERENT SUBFOLDER STRUCTURE:
 - primary_set
 - secondary_set
 - test_set (OPTIONAL)
- library(stylo) < ENTER>
- oppose() <ENTER>
- What we get:
 - WORDS_PREFERRED characteristic for
 - the primary set texts
 - WORDS_AVOIDED characteristic for the secondary_set texts
 - word frequency graph



OPPOSE() PARAMETERS

- Slice length: size (in words) of the samples (5000)
- Slice overlap: (0)
- Method: (Craig's Zeta)
- Visualization: type of graph (Markers)



RUNNING ROLLING.CLASSIFY

- DIFFERENT SUBFOLDER STRUCTURE (AGAIN):
 - reference_set (individual writings)
 - test_set (collaborative text)
- library(stylo) < ENTER>
- rolling.classify(write.png.file = TRUE, classification.method =
 "delta",mfw=100, training.set.sampling = "normal.sampling", slice.size =
 5000,slice.overlap = 4500)
- What we get:
 - Similarity graph