

Specialized visualization tools in Plotly

Contents

Introduction	1
Boxplots.....	1
The animated Timemapper.....	1

Introduction

This GUI contains specialized visualization tools, they are uncommon visualization tools with many customizable options to allow for a variety of analysis.

Check the other Visualization GUI for more PLOTLY visualization options: the Sunburst pie chart, the Treemapper, and the Sankey flowchart.

Boxplots

Multiple bar charts

The animated Timemapper

The Timemapper is an animated bar chart, showing the evolution of the frequency of a chosen variable across time. For this to work, the inputted corpus must have documents in which dates are imbedded into the filenames. The filename-imbedded date can be in any format, you will simply have to choose the corresponding format in the Date Format widget. The Timeline widget will allow you to choose if you'd like to obtain the daily evolution of the data, the monthly evolution, or the yearly evolution. You can tick the cumulative box to show the cumulative evolution or not. Cumulative data means you see the frequency of a certain variable all the way up to that date. Non-cumulative data represents the frequency on the EXACT given date. Finally, you can choose the CSV file field that you would like to analyze through the timemapper. Once you obtain your output, the triangular button will automatically run through all the dates, the square button will stop the animation, and the cursor underneath the graph will allow you to manually go through the dates at your own liking. You can also run your mouse over the bars to see the current values of the frequencies. The following example is yearly cumulative data of the NER variable from the ConLL table:

