

Heatmaps are graphical representations of data where values in a matrix are represented as colors. They are commonly used to visualize complex data sets and patterns. In this case they are utilized to visualize the sensitivity caused by modifying the weights given to a particular criterion.

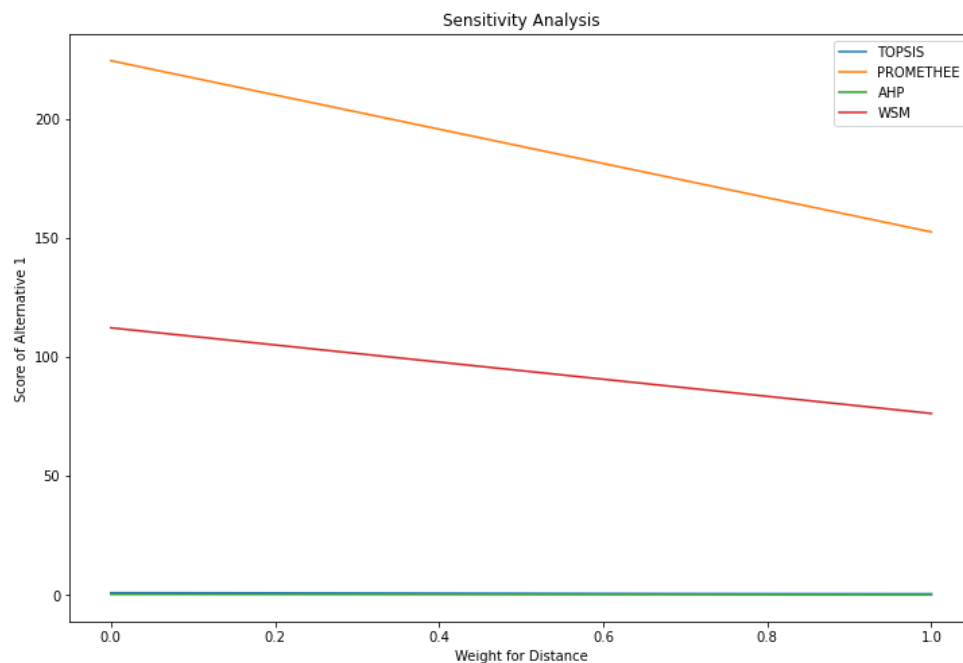


Fig 4.2 Line Plot for Sensitivity Analysis

The above line plots using matplotlib to give a different perspective visualization, i.e. a continuous one.

Eventually, we select the best alternative from a set of data provided by Places API after implementing and analysing the best algorithm. I have utilized Folium maps for plotting and mapping the chosen places and connecting them to each other. This helps in visualization and is the final output.