

Presentation of the team





Julian Valencia
Programmer



Marco Gomez
Programmer



Andrea SernaLiterature review



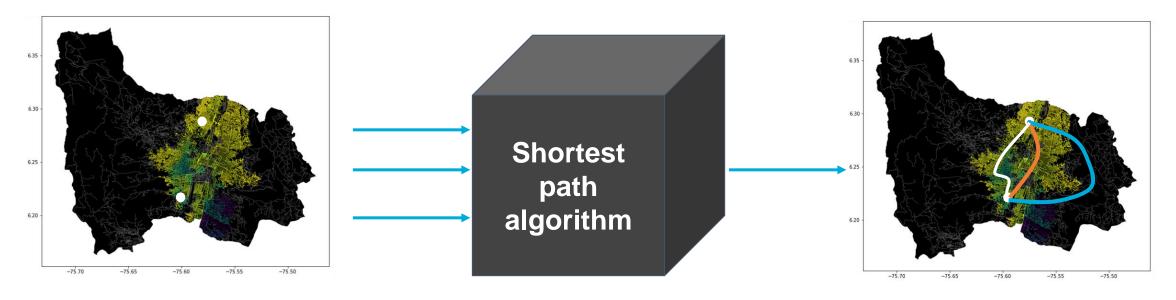
Mauricio ToroData preparation





Problem Statement





Streets of Medellín, Origin and Destination

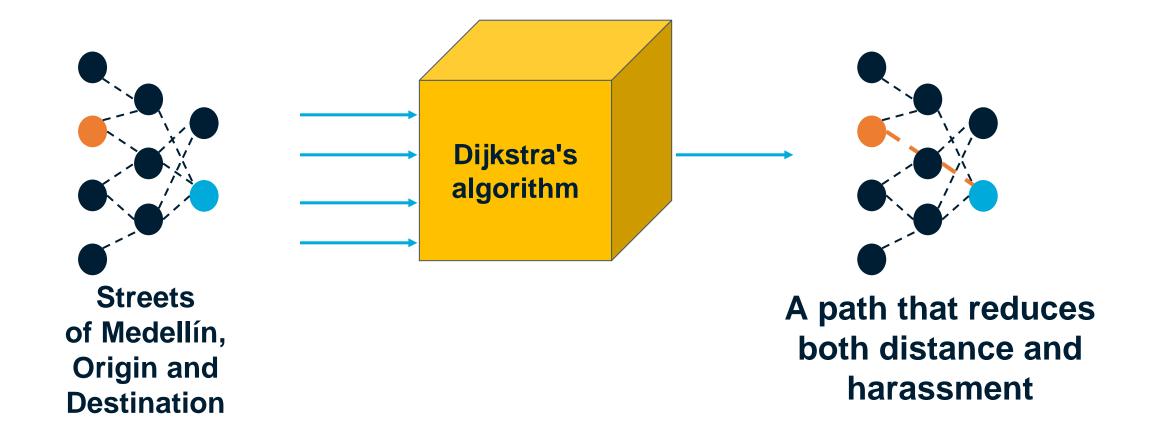
Three paths that reduce both the risk of harassment and distance





Solution Algorithm





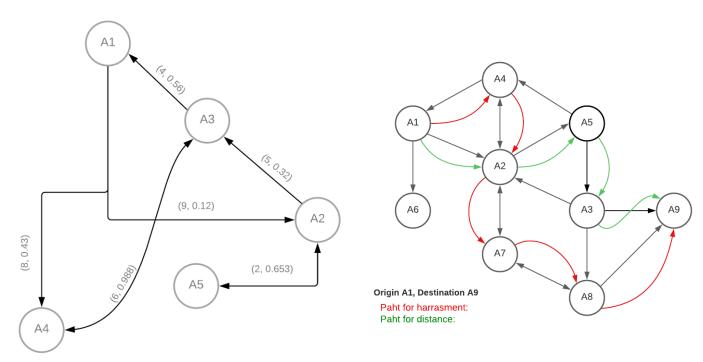


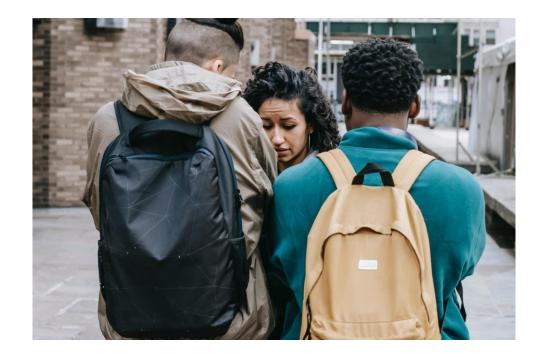


Explanation of the algorithm









Dijkstra's algorithm

We used python dictionaries to create the graph, and in our case, we have the key which is the unique origins (in polar cords), and the content which are all the adjacent nodes of the vertex. In that way, we can define a graph.



