

A night scene of a street with a street lamp and trees. The street is dark, and the lamp is bright, illuminating the area. There are trees and a car in the background.

# **FINDING THE SHORTEST PATH PREVENTING SEXUAL HARASSMENT THROUGH ALGORITHMS**

## Presentation of the team



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Literature review



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Data preparation



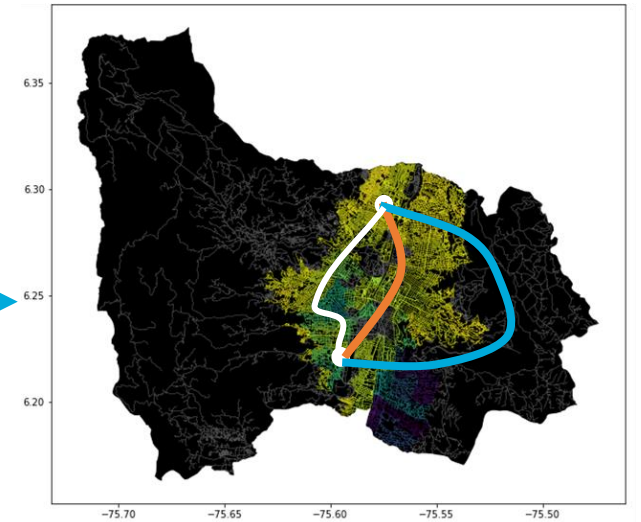
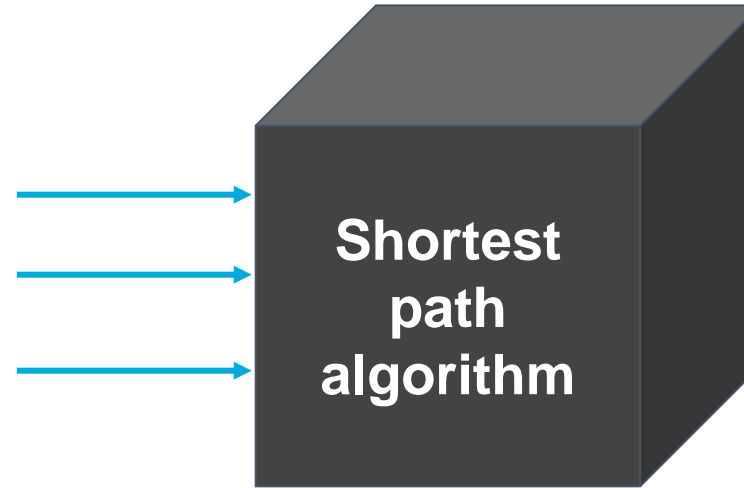
<https://github.com/JuanFelipeRestrepoBuitrago/ST0245>



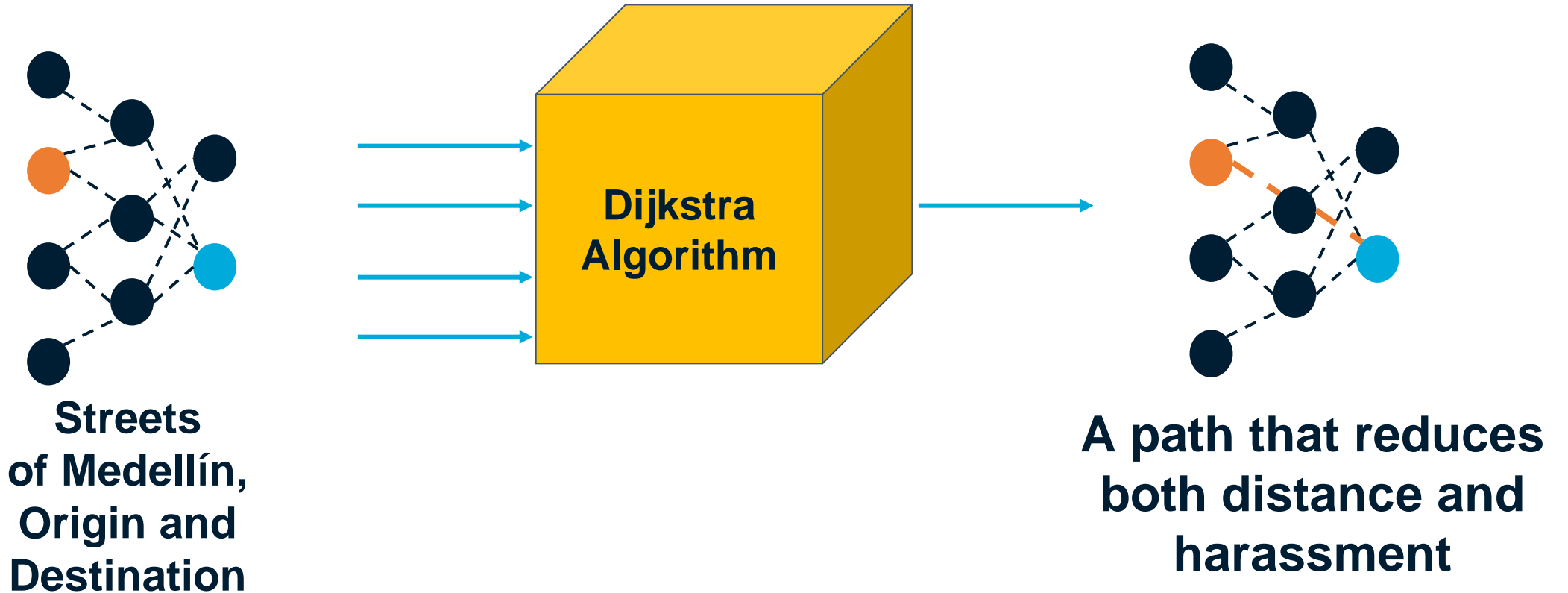
# Problem Statement



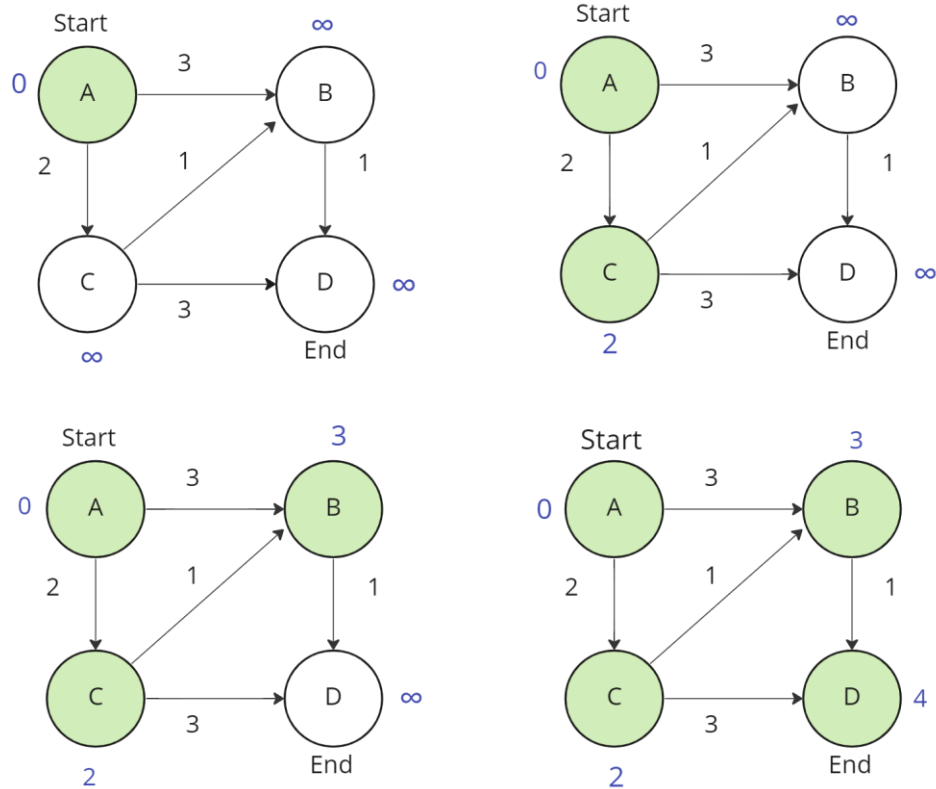
**Streets  
of Medellín,  
Origin and  
Destination**



**Three paths that reduce  
both the risk of harassment  
and distance**



# Explanation of the algorithm



Dijkstra Algorithm for the Shortest Path