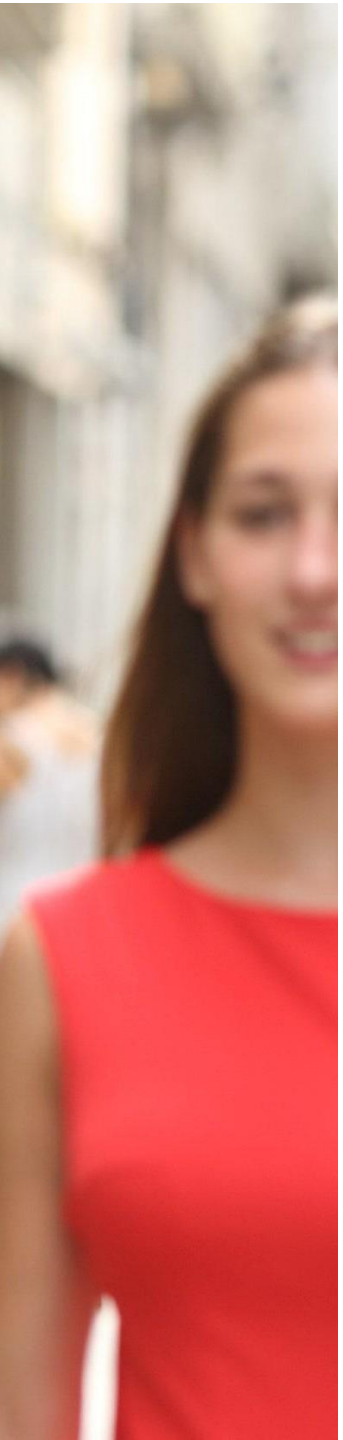

Preventing Street Harassment by Using Constrained Shortest Path Algorithms

UNIVERSIDAD EAFIT

Team Presentation

Santiago Lopez
Coding

Samuel Lopera
Literature Research

Andrea Serna
Literature review

Mauricio Toro
Data preparation

https://github.com/SamuelLoperaT/ST0245-001

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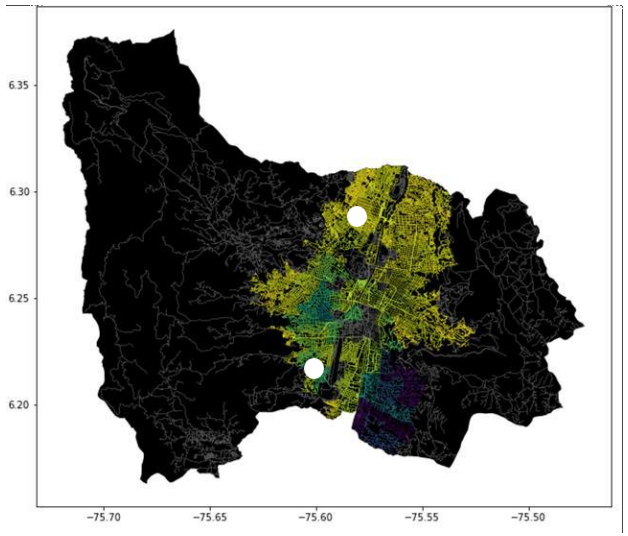
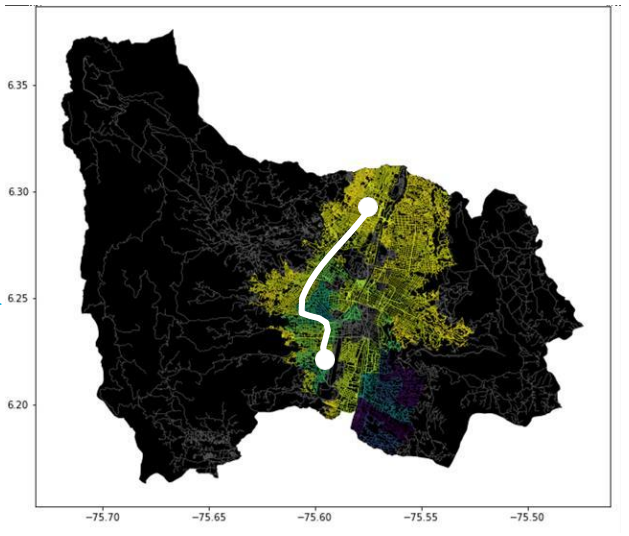
Problem Statement



Constrained Shortest Path Algorithm



Streets of Medellín, Origin and Destination

Constrained Shortest Paths

https://github.com/SamuelLoperaT/ST0245-001

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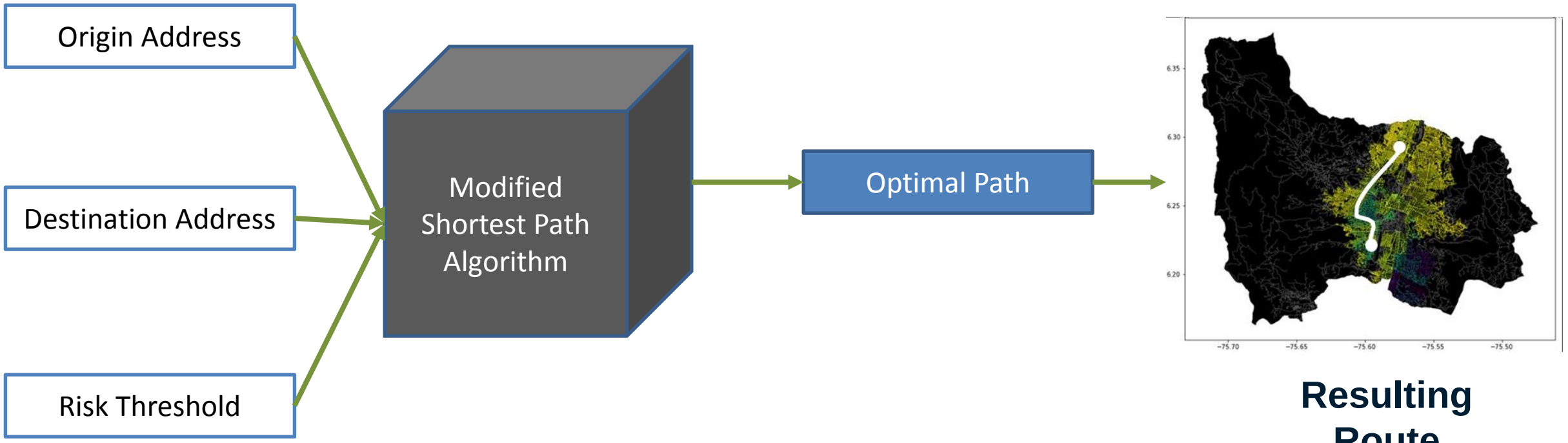
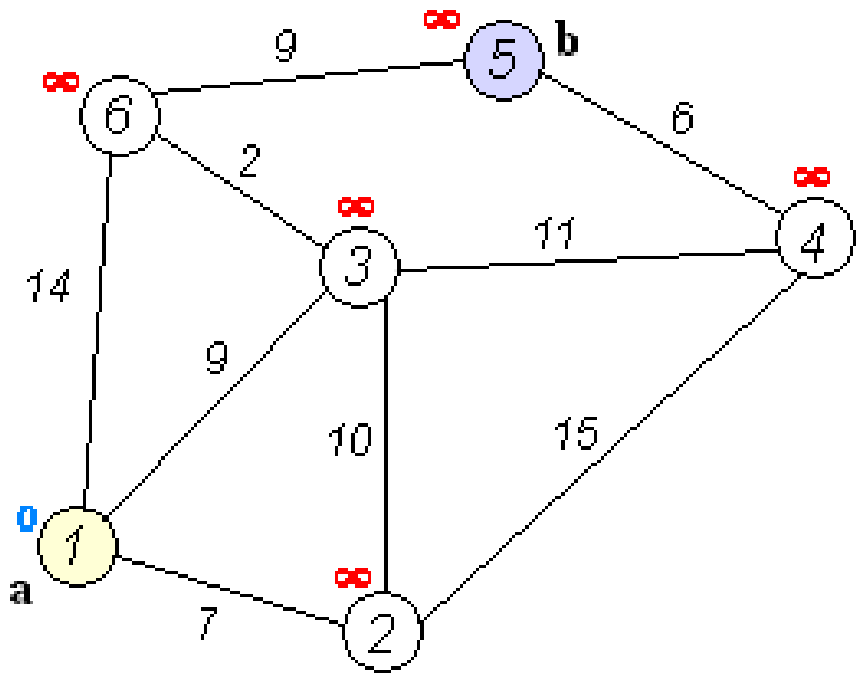
Testing Process



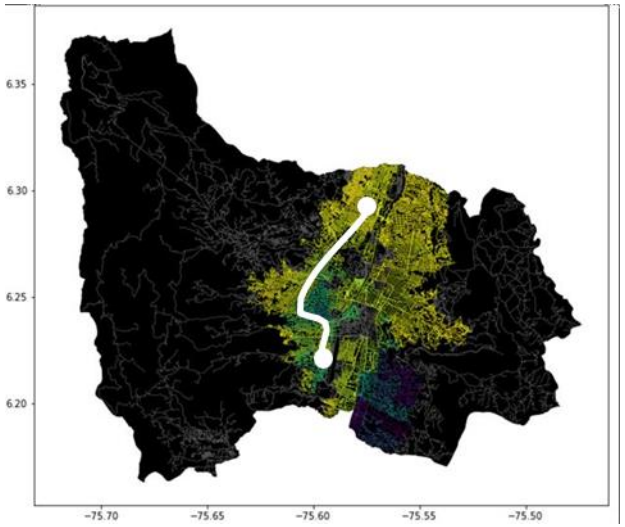
Resulting Route Display

Algorithm Design



Animation displaying Dijikstra's Algorithm

Checking over the Risk Threshold



Resulting Route Display