ROUTE OPTIMIZATION FOR PREVENTION OF STREET HARRASSMENT IN MEDELLIN

UNIVERSIDAD EAFIT®

Our wonderful team!

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https://github.com/ThomasMartinod/SafeMED/

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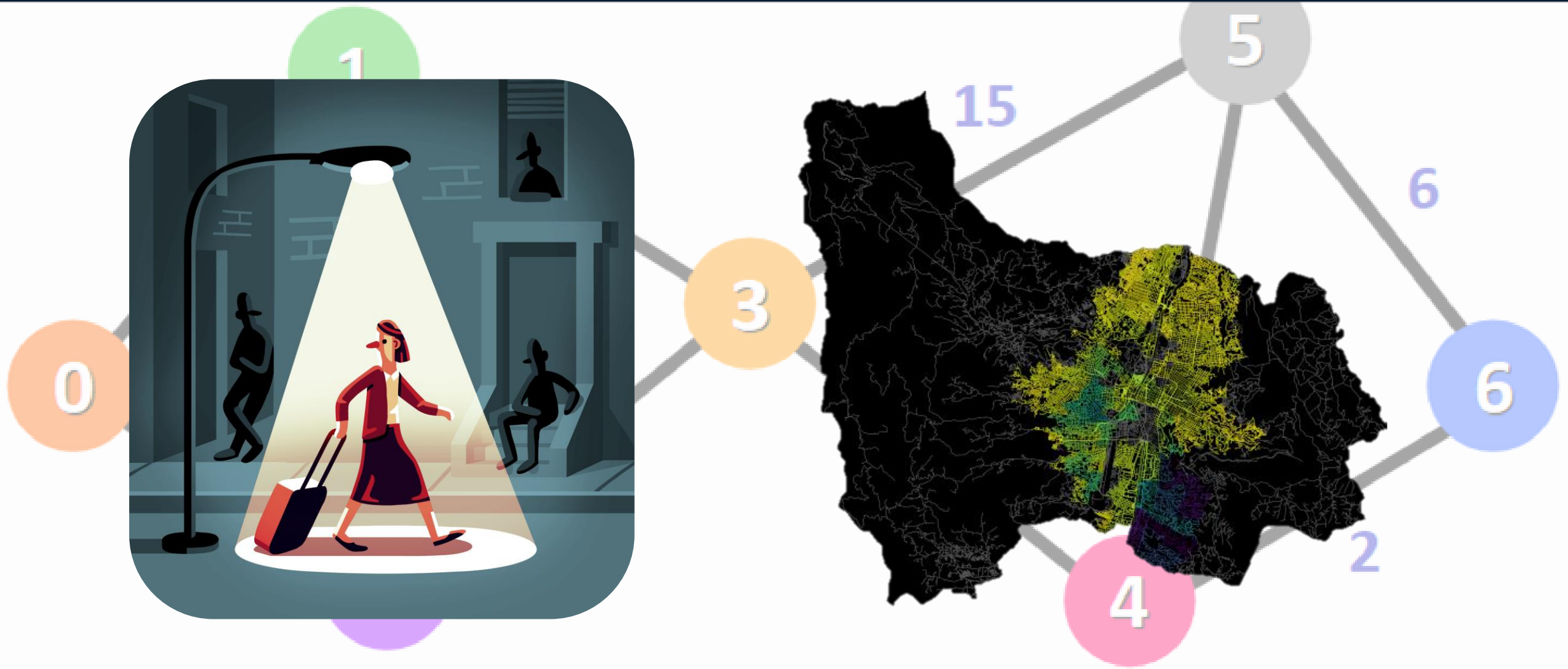
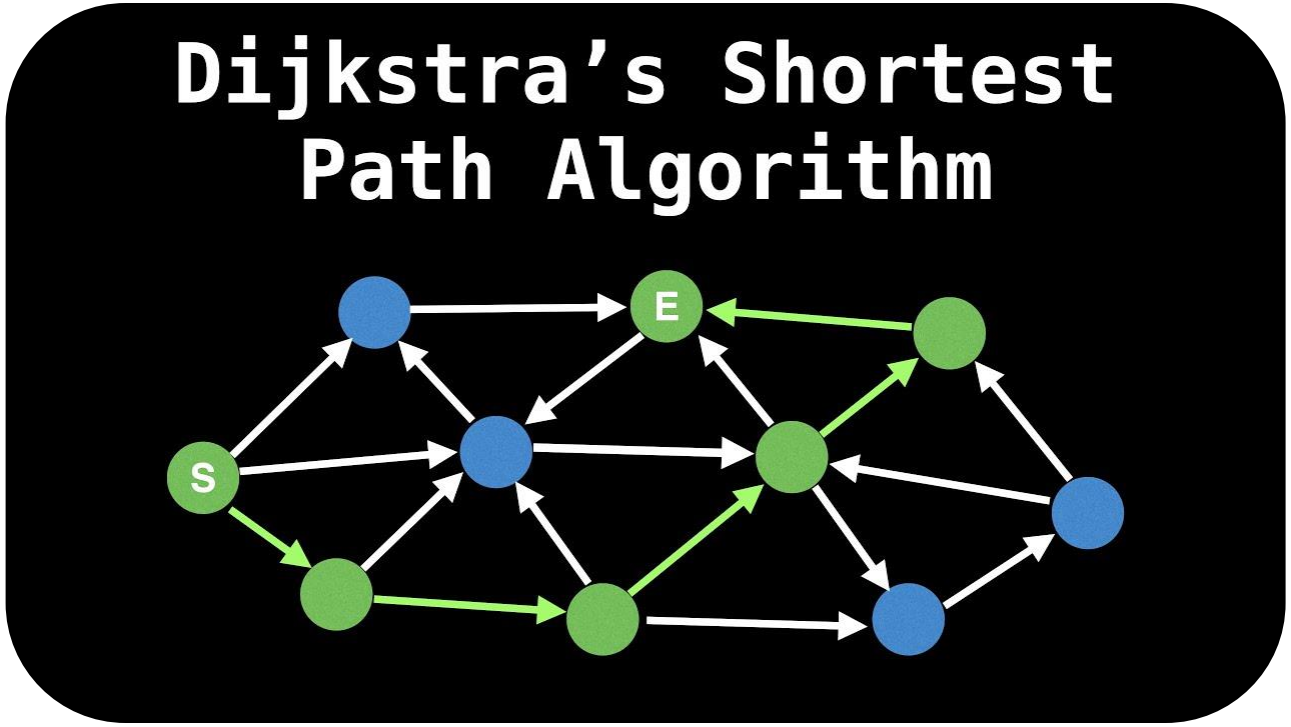
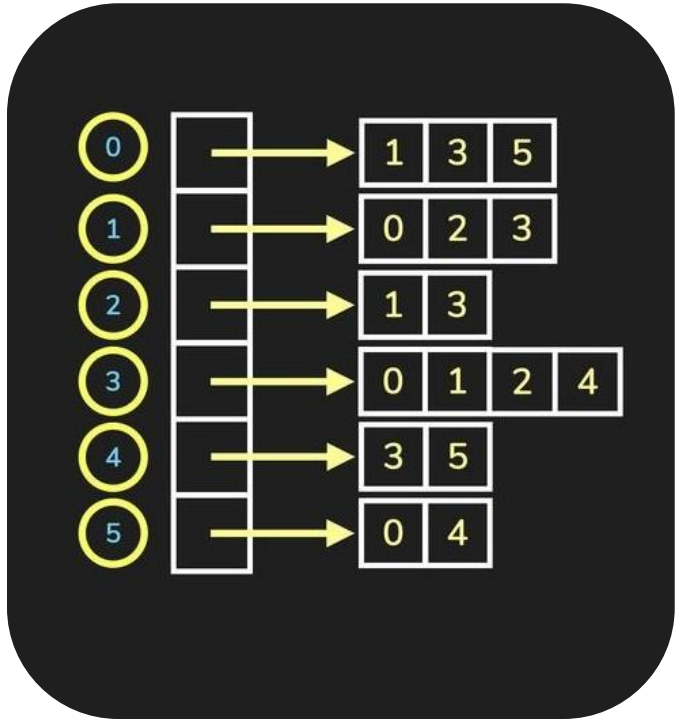
Problem to solve

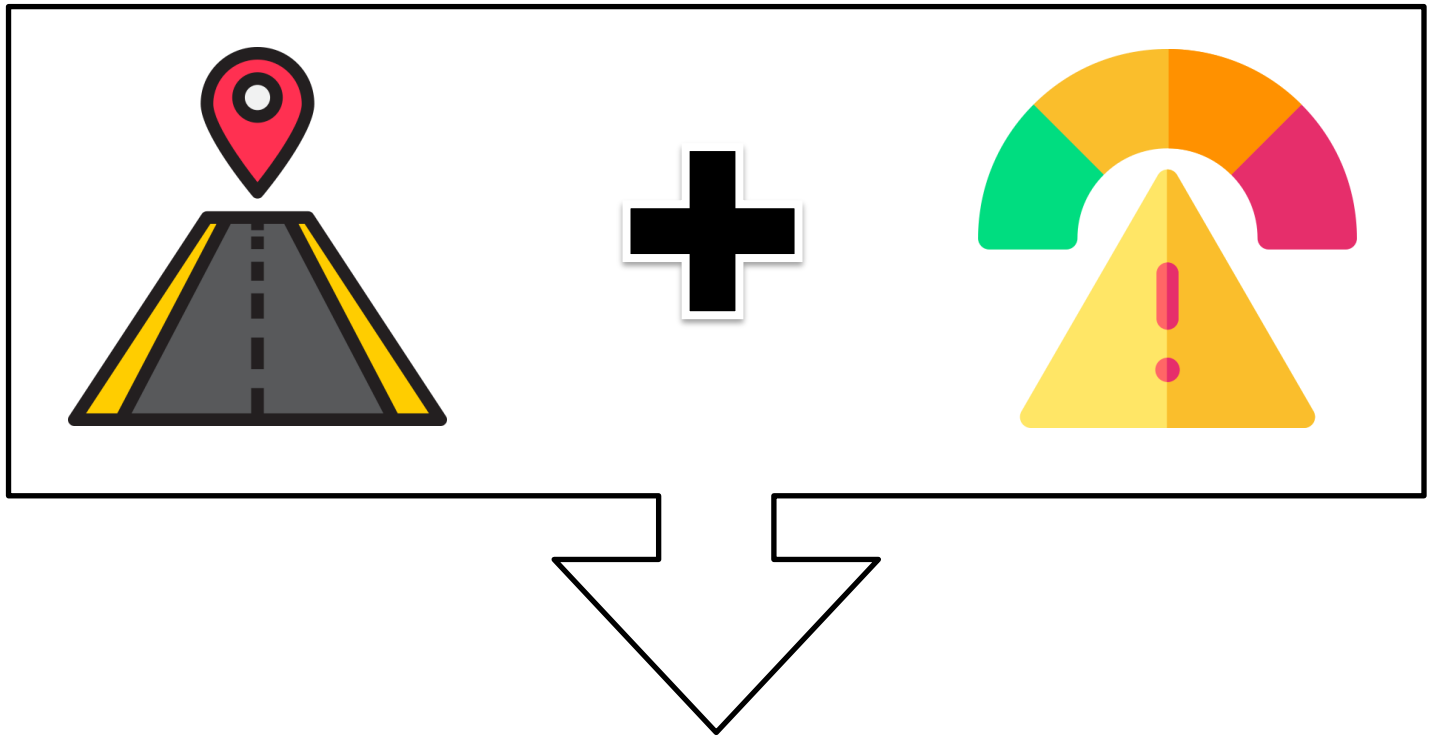


Implemented algorithm



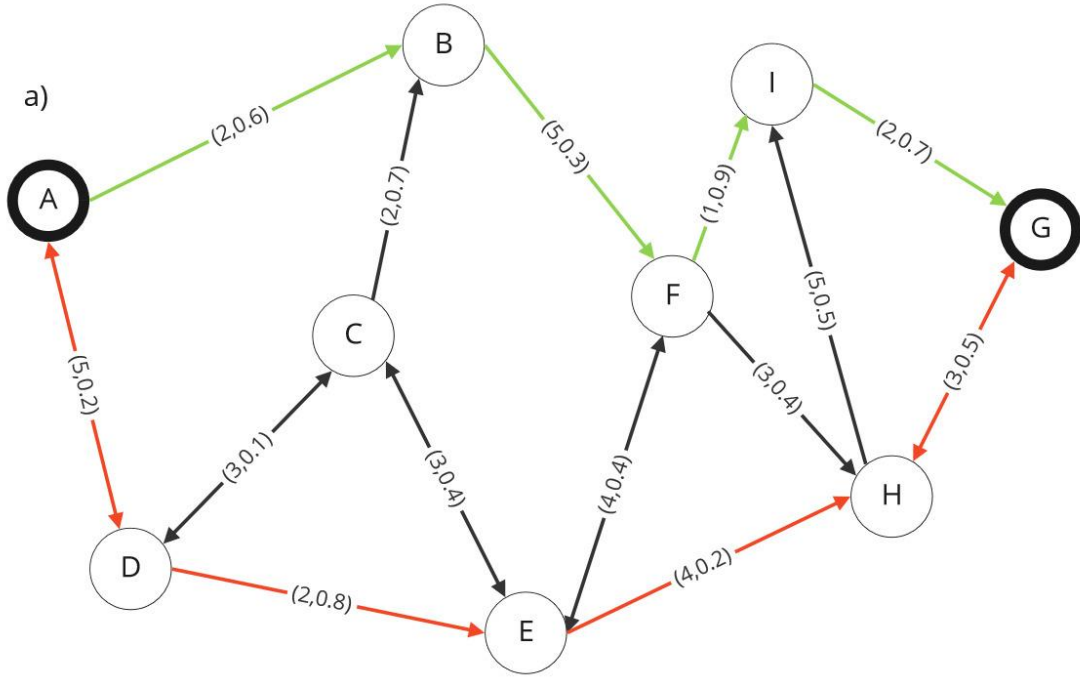


Combining distance and harassment risk

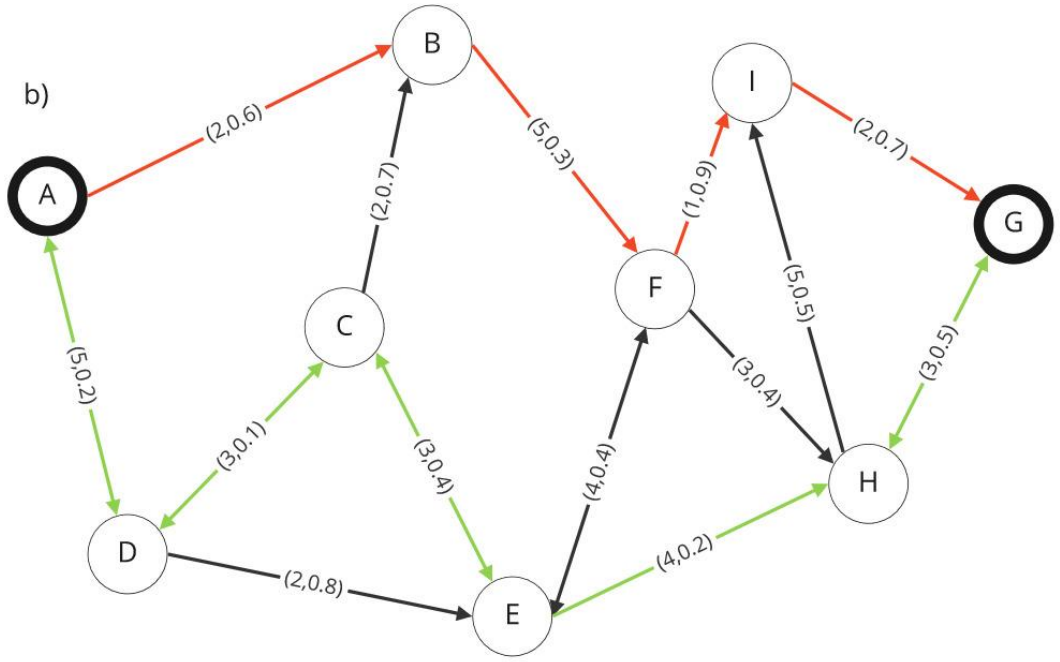


$$PathValue = \left(\frac{1}{2}\right) * distance + (100 * harassmentRisk)$$

Explaining our solution



Reducing path distance (Total distance: 10) (Average risk: 0.625)



Reducing harrasment risk (Average risk: 0.28) (Total distance: 18)

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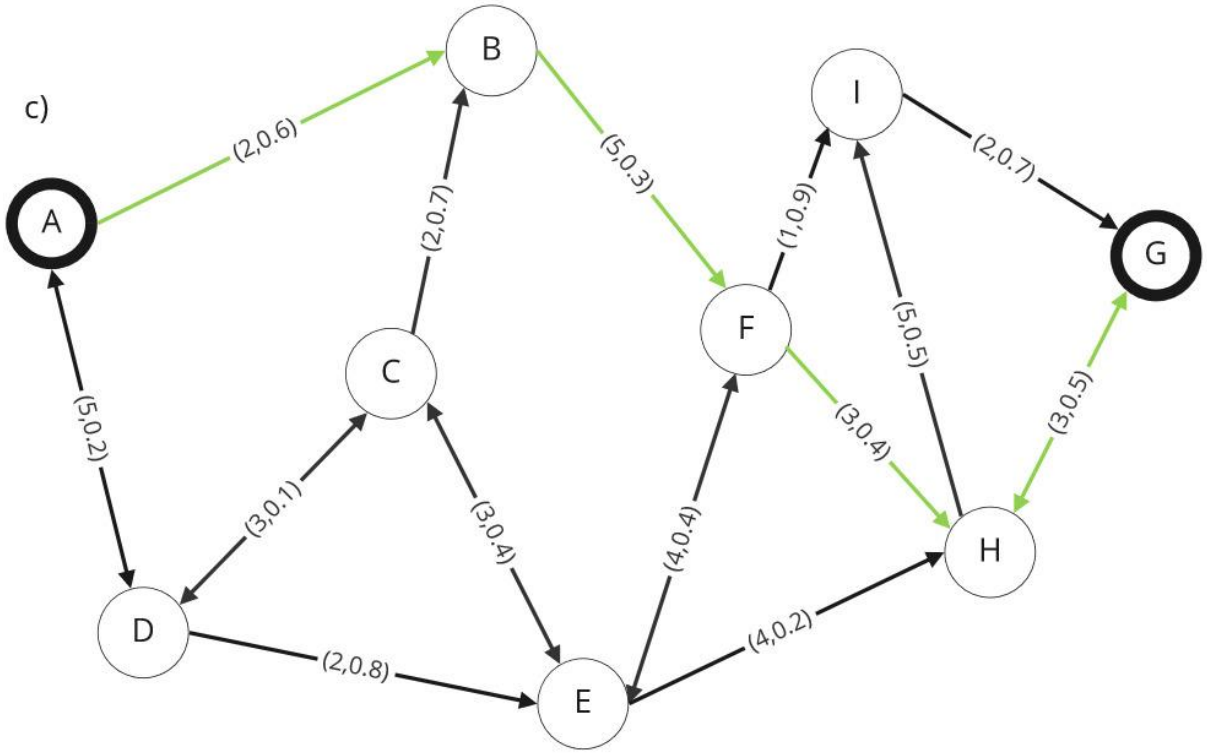
Explaining our solution



Reducing both path distance and harrasmnet risk
(Total distance: 13) (Average risk: 0.45)

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