

Presentation of the team





Documentation

and research

Camilo Bermúdez

Documentation

and research



Andrea SernaLiterature review



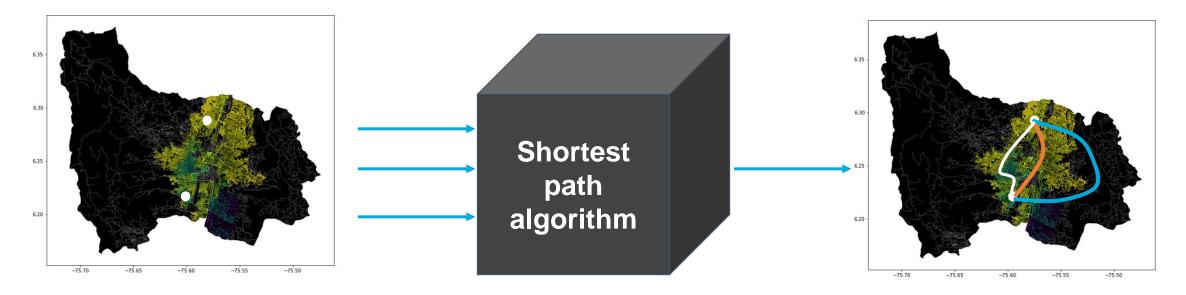
Mauricio ToroData preparation





Problem Statement





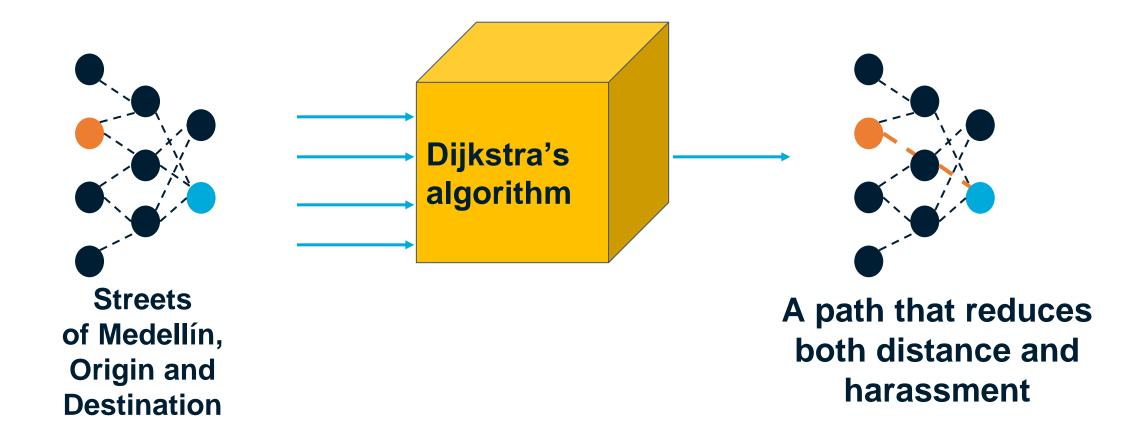
Streets of Medellín, Origin and Destination

Three paths that reduce both the risk of harassment and distance



Solution Algorithm

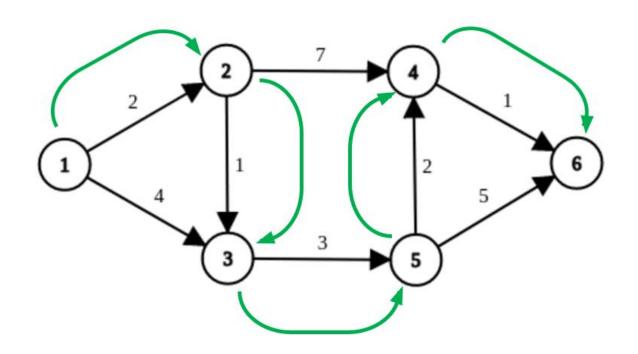






Explanation of the algorithm







Dijkstra's algorithm

In the graph shown above, the path found by the algorithm is illustrated with a starting node "1" to a destination node "6" with the lowest distance and risk of harassment







	Time complexity	Complexity of memory
Algorithm name	O(V ² *E*2 ^V)	O(E!*V*E*E*2 ^E)
Algorithm name (if you have tried two)	O(V*V*E*E*E)	O(E!)

Time and memory complexity of the algorithm name. V is...E is... (In this semester, it could be DFS, BFS, Dijkstra, A*). Please explain what V and E mean in this problem. PLEASE, it is not helpful to put 'n'.



Explain the tables in your own words

Create the table in Powerpoint. Do not copy pixelated screenshots of the white paper, please.

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Include a high-definition image related to the problem of sexual street harassment.



The font size must be at least 22 points.



d - 222

First path minimizing d = ???

For the third installment



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own words

Create the table in Powerpoint. Do not copy pixelated screenshots from the white paper, please.

Origin	Destination	Distance (meters)	Risk of harassment (between 0 and 1)
EAFIT University	National University	??	??

Distance and risk of harassment for the path that minimizes d = ??. Execution time of ?? seconds.

Explain the tables in your



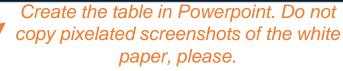
points.







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Origin	Destination	Distance (meters)	Risk of harassment (between 0 and 1)
EAFIT University	National University	??	??

Distance and risk of harassment for the path that minimizes d = ??. Execution time of ?? seconds.

Explain the tables in your

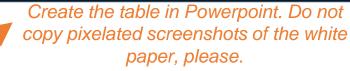
own words



Third path minimizing d = ???



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Origin	Destination	Distance (meters)	Risk of harassment (between 0 and 1)
EAFIT University	National University	??	??

Distance and risk of harassment for the path that minimizes d = ??. Execution time of ?? seconds.

Explain the tables in your

own words



Visual comparison of the three paths



Use a library to draw the map and plot the three roads between Eafit and Universidad Nacional. For example, use geopandas, pydeck or google maps.





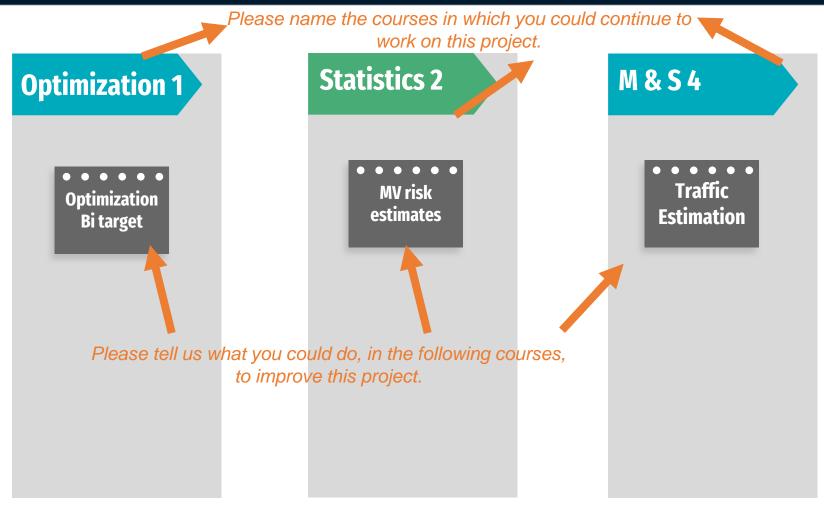






• • • • • Other risk estimates

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Future work directions

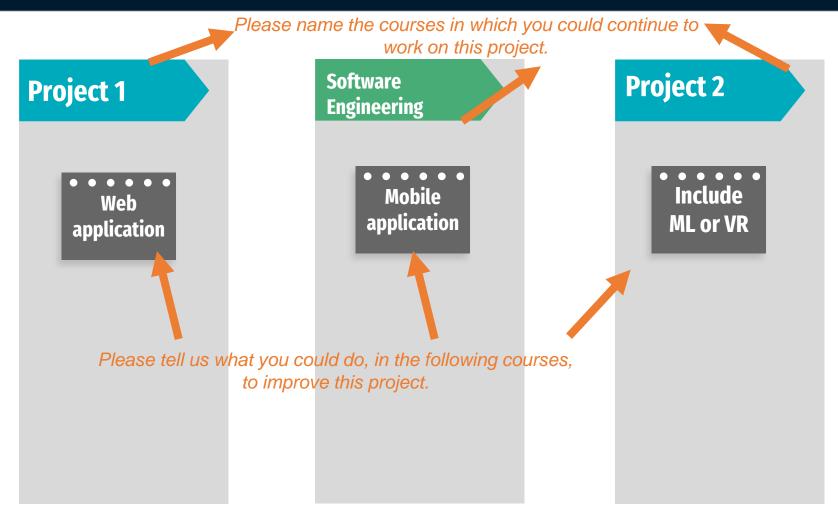


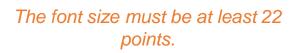
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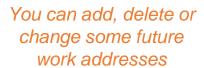
Databases



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Report accepted in OSF.IO





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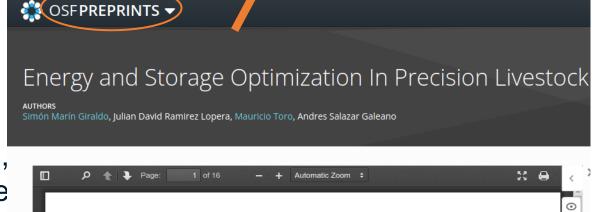
This is an example screenshot from a previous report

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Include the report citation in OSF PREPRINTS and the link. No. not in OSF projects, it is in OSF Preprints.

Julián Ramírez, Andrés Salazar, Simón Marín, Toro. Energy Mauricio and Storage Optimization in Precision Livestock Farming. Technical Report, Universidad EAFIT, 2021. https://doi.org/10.31219/osf.io/du8yt

report on osf.io and remove the circle



ENERGY AND STORAGE OPTIMIZATION IN PRECISION LIVESTOCK FARMING

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paper will be centered around the classification of livestock. Primarily, by implementing an image recognition model

that will determine whether an animal (in this case a cow) is

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ABSTRACT



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Don't forget your scholarship acknowledgements (if you have one) For others, for those who pay your tuition fees

THANK YOU!

With the support of

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