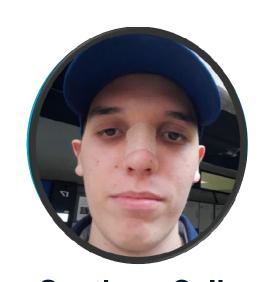


Presentation of the team





Lara
Code, Technical
Report, Leadership,
and slides



Santiago Celis Loiaza Research, Technical report

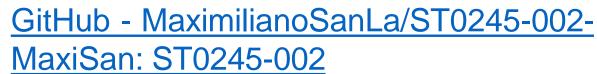


Andrea Serna Literature review



Mauricio ToroData preparation







Other Members





Felipe Gomez
Daza
Technical
Report



Andrea SernaLiterature review



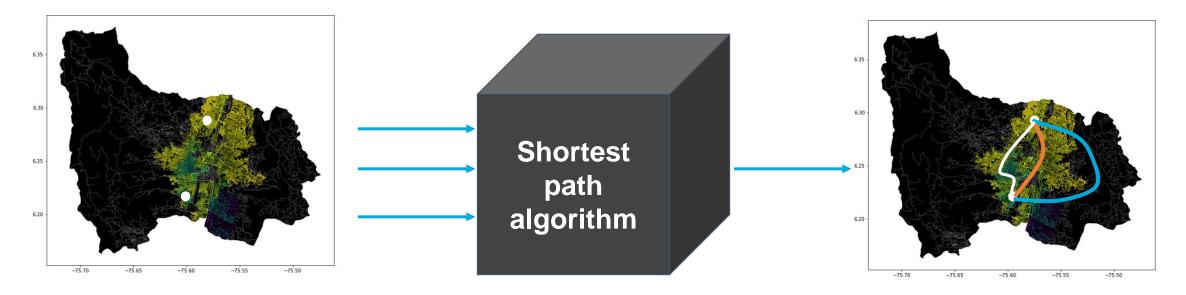
Mauricio ToroData preparation





Problem Statement





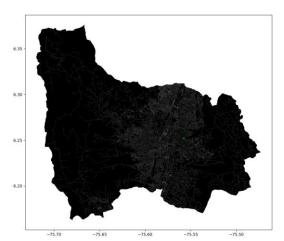
Streets of Medellín, Origin and Destination

Three paths that reduce both the risk of harassment and distance

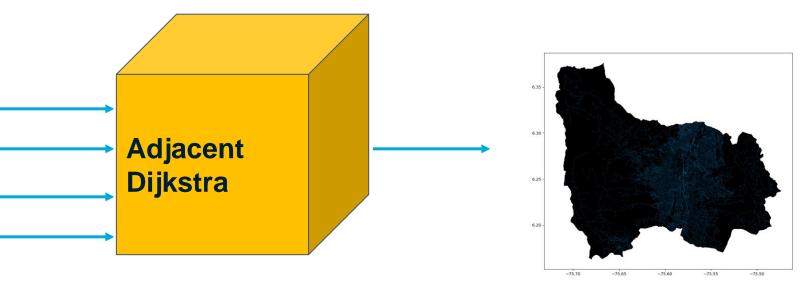


Solution Algorithm





Streets of Medellín, Origin and Destination



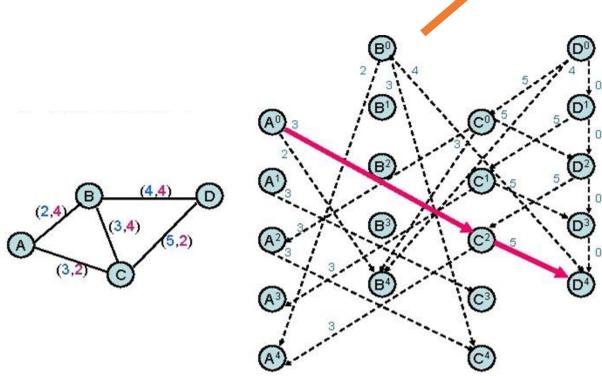
A path that reduces both distance and harassment



Explanation of the algorithm



Do NOT use red on the slides.



Name of the algorithm for the path that reduces both harassment and distance.

(In this semester, it could be DFS, BFS, Dijkstra, A*... please choose).



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



Complexity of the algorithm



	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'.





d - 222

First path minimizing d = ???

For the third installment



Do NOT use red on the slides.



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



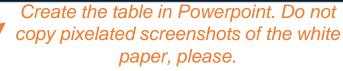
points.







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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

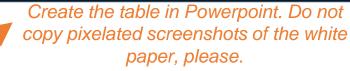
own words



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.





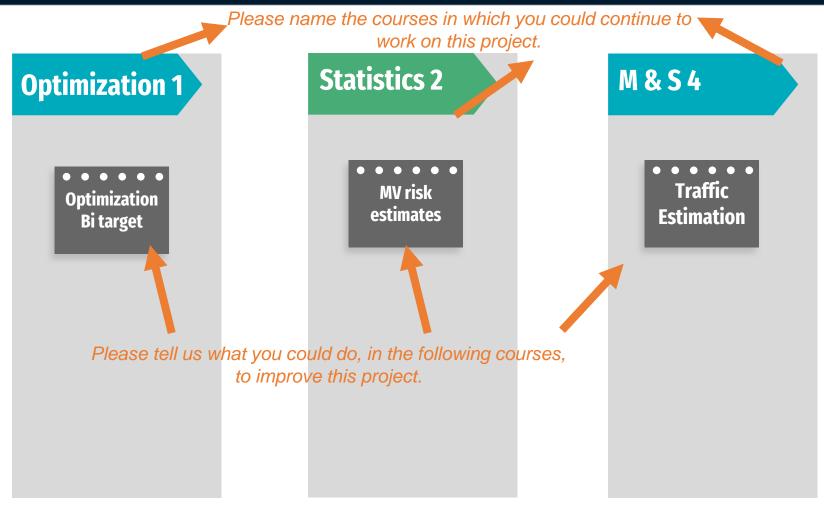






• • • • • Other risk estimates

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Future work directions

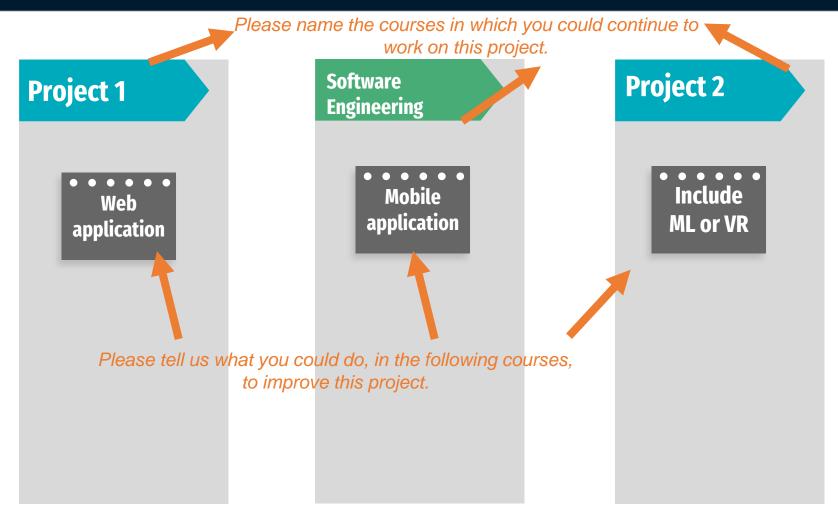


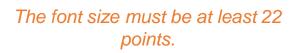
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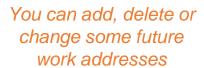
Databases



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• • • •



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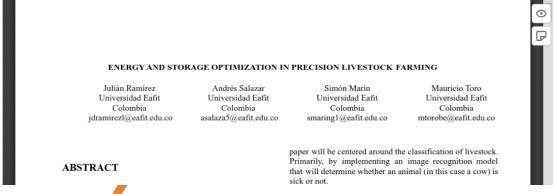
This is an example screenshot from a previous report

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

Include a screenshot of your published report on osf.io and remove the circle













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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

The first two authors were supported by the Sapiencia grant, financed by the municipality of Medellín. All authors are grateful to the Vice Rector's Office for Discovery and Creation, Universidad EAFIT, for their support in this research.

The font size must be at least 22 points.