

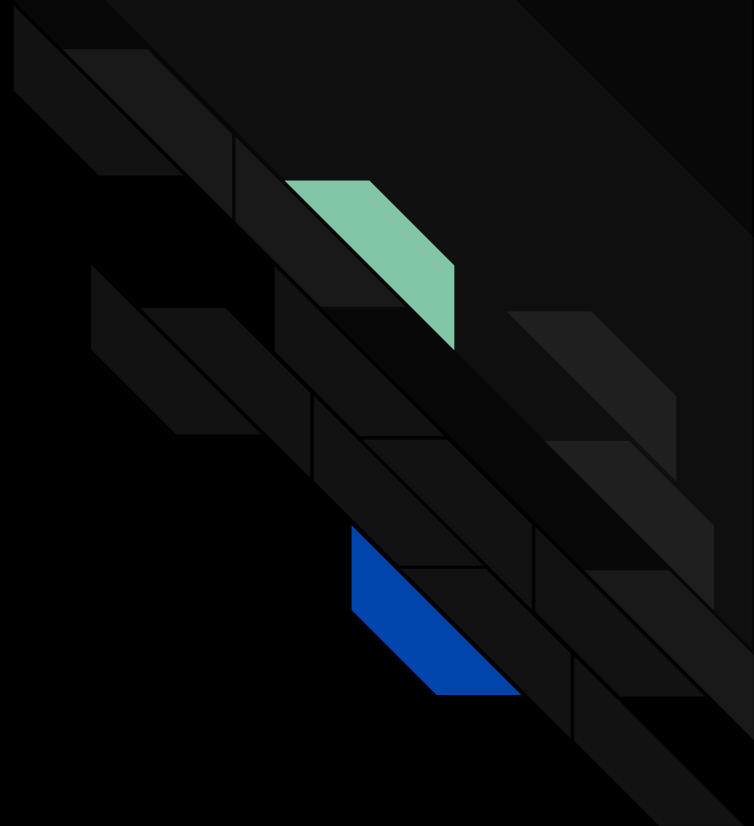
# Costa Rica Big Data School 2022



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506





# Team Members

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# Intervention

- **Hospitalization (amount of beds)**
- **Close of borders**
- **Population dynamics**

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# Problem

Analyze the virus propagation by close of borders  
restrictions

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# Goals

- See if the closing of borders impacts the number of sick people.
- Consider the change of the population when the borders closed and when they were open.

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# Assumptions

- **Restriction to 1% of San José city**
- **Percentage of people hospitalized in UCI: 14%**
- **Maximum amount of UCI hospital beds: 360**

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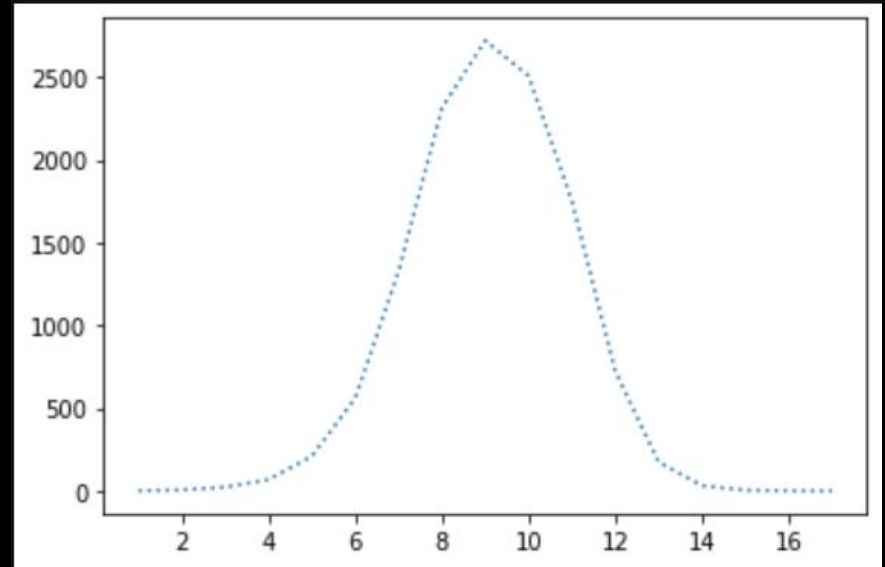
# Experiment

Population: 3000

Percentage of max hospitalization: 0.9

Percentage of safe hospitalization: 0.4

Number of beds: 21



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# Reference

- <https://www.eleconomista.com.mx/politica/Con-ocupacion-critica-y-media-60-de-hospitales-20200515-0008.html>
- <https://www.ministeriodesalud.go.cr/index.php/vigilancia-de-la-salud/41-lineamientos-coronavir-us/527-situacion-nacional-covid-19>

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