

Medicines

HOW ARE YOU FEELING?



IRONHACK

Mid-Bootcamp Project

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Summary

- Current Situation
- Statement
- Methodology
- Poll + Dashboard
- Stats + Insights
- Conclusions
- Next Steps



Current Situation

La OMS informa de que un tercio de la población mundial no tiene acceso a los fármacos básicos

La Organización Mundial de la Salud (OMS) ha hecho público que alrededor de 2.000 millones de personas en todo el mundo, lo que supone aproximadamente un tercio de la población mundial, carece de acceso a los medicamentos considerados básicos.

Something wrong?



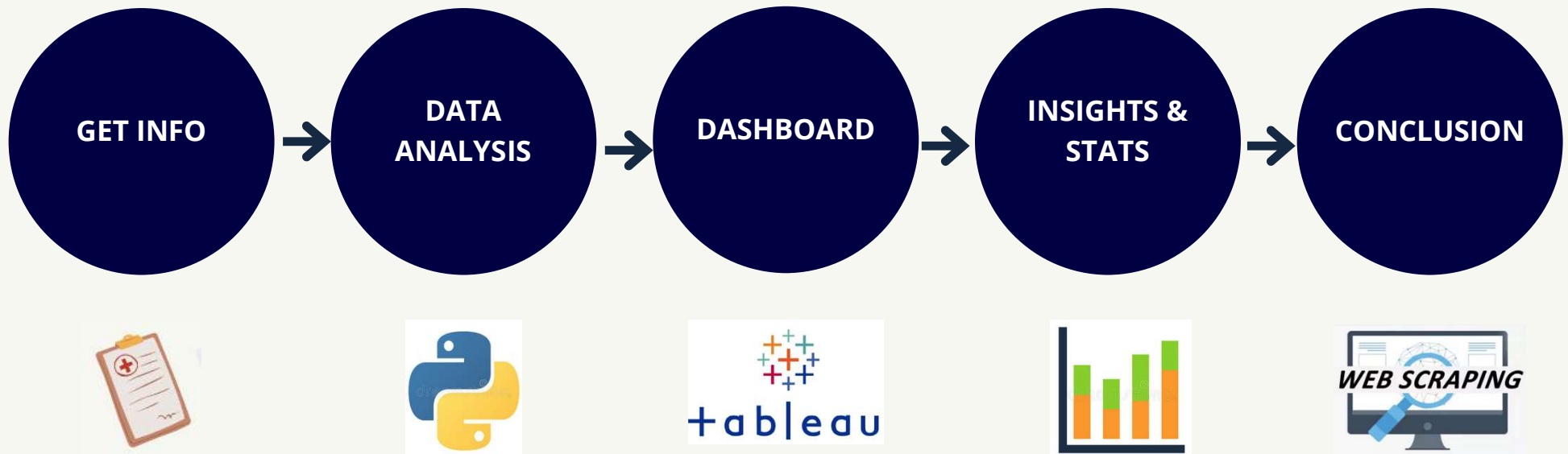
Statement

'Medicine's stock is unbalanced'



Methodology

HOW CAN WE PROOF OUR STATEMENT?





POLL

- Oriented to understand profiles:
 - Age-Gender-Location-family kind
 - **Medicines portfolio (Qty, mix, etc)**
 - **Medicine usage (waste?, overstock?)**
- 54 answers received
 - Well distributed (gender, age, location)
 - **No BIAS observed**

- **POLL DASHBOARD**



Stats & Insights



- Average stock is 8-11un
(*) p-value = 0.40722
- Average unusefull stock is 21-40%
(*) p-value = 0.1848
- Independent test p-values by gender
are high (BIAS)
(*) p-value = 0.1539 - p-value = 0.1864
- DASHBOARD INSIGHTS



Conclusions



- **Truth Statement (medicine unbalance)**
- Donation is possible
- General medicine is a perfect "fit"
- Could we make a difference?:
 - (a) **8-11** different medicines per home
 - (b) **50M** home (2000M people / 4 people-avg-home)
 - (c) **20-40%** of their stock is not being use
 - (d) **Eur12** Average "General medicine" price
- **Volume = $a*b*c$ = 80M-110M medicines**
- **Budget = Volume * d = 960M€ - 1320M€**

Next Steps . . .



- Create an App to "connect dots"
- Pills rather than liquid
- Deep into "Checkpoints" network
- No cold chain
- Focus on proximity (less complex)
- Deep into "Incentive donation system"

Thanks for listening!

Files:



<https://github.com/fedecavanagh/mid-bootcamp-project>

