



DATARATONES



Team 6

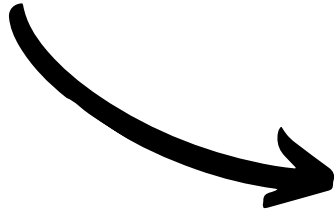
Infodemic and misinformation
in the spread of COVID-19

Challenge 1 - Infodemic and misinformation about COVID-19 spread in LATAM.

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The problem

- Population's suggestibility
- 
- Vaccination, new cases and mortality



Investigación original

Infodemia: noticias falsas y tendencias de mortalidad por COVID-19 en seis países de América Latina

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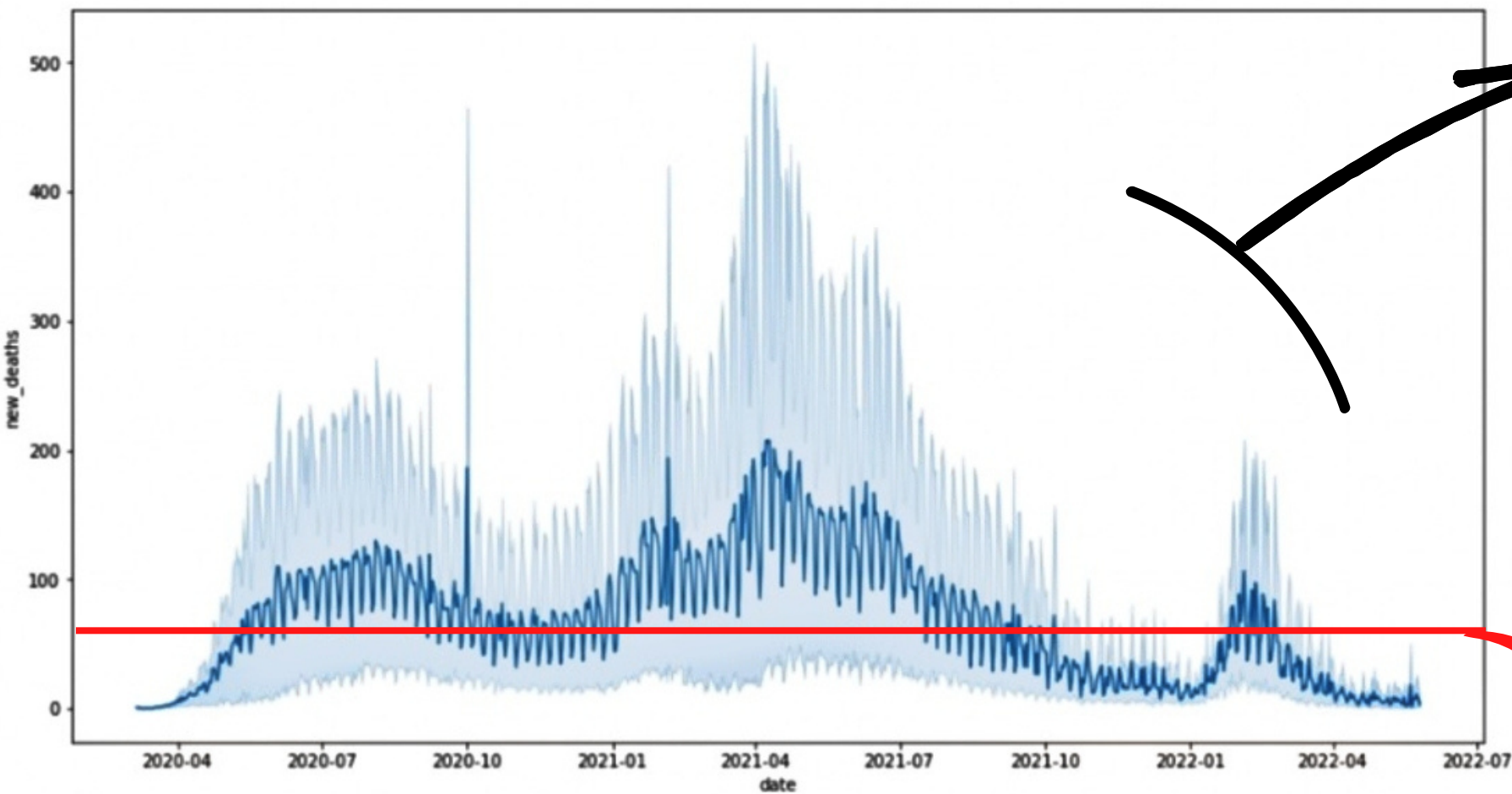
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Hypothesis

"COVID-19 induced mortality can be predicted by massive media diffusion of fake treatment alternatives."



Analysis



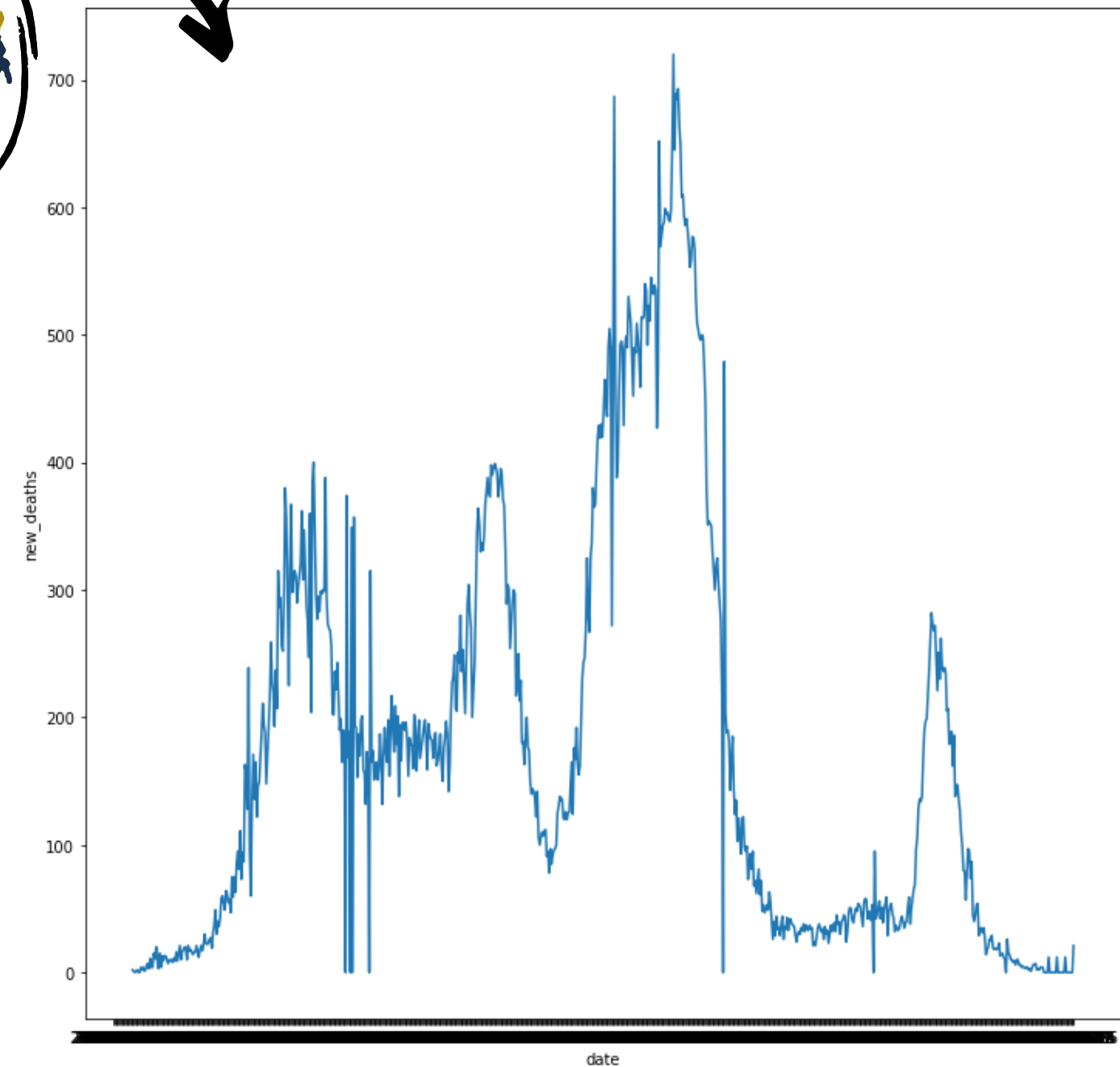
```
In [22]: plt.figure(figsize=(15,8))
sns.lineplot(data=df, x="date", y="new_deaths")

Out[22]: <AxesSubplot:xlabel='date', ylabel='new_deaths'>
```

69 deaths / day

```
In [19]: val_limite = df.new_deaths.mean()

Out[19]: 69.18888935056302
```



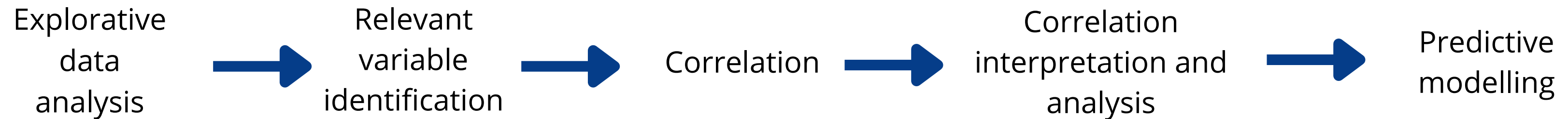
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Learnings



What's next?

- Expand evaluation parameters along with quantity data accuracy



References

- www.mediacloud.org
- www.google.com/trends
- Islam, M. S., Sarkar, T., Khan, S. H., Kamal, A. H. M., Hasan, S. M., Kabir, A., ... & Seale, H. (2020). COVID-19–related infodemic and its impact on public health: A global social media analysis. *The American journal of tropical medicine and hygiene*, 103(4), 1621.
- Nieves-Cuervo, G. M., Manrique-Hernández, E. F., Robledo-Colonia, A. F., & Grillo, A. E. K. (2021). Infodemia: noticias falsas y tendencias de mortalidad por COVID-19 en seis países de América Latina. *Revista Panamericana de Salud Pública*, 45, e44.
- Meléndez, L. V. (2021). El rol de las redes sociales en la pandemia del covid-19. *GeoGraphos: Revista Digital para Estudiantes de Geografía y Ciencias Sociales*, 12(137), 121-132.