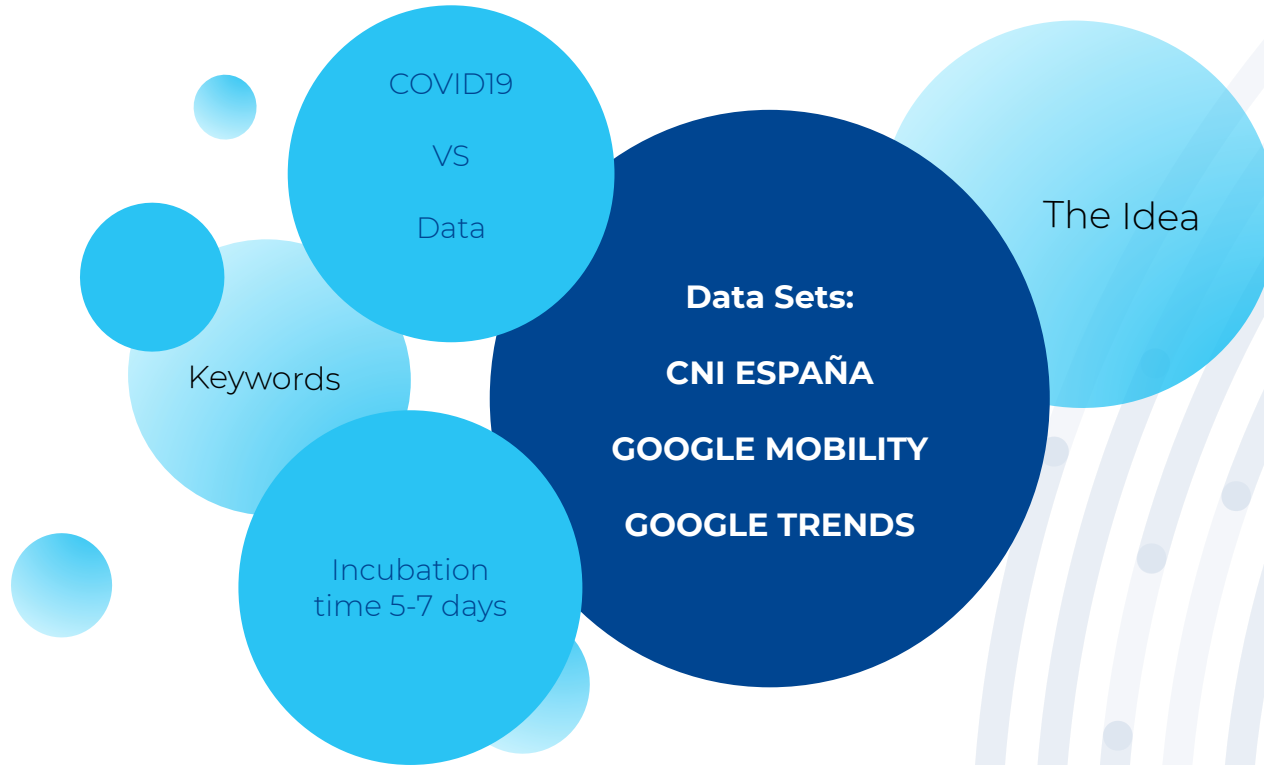


How Google Data could have predicted COVID-19 cases

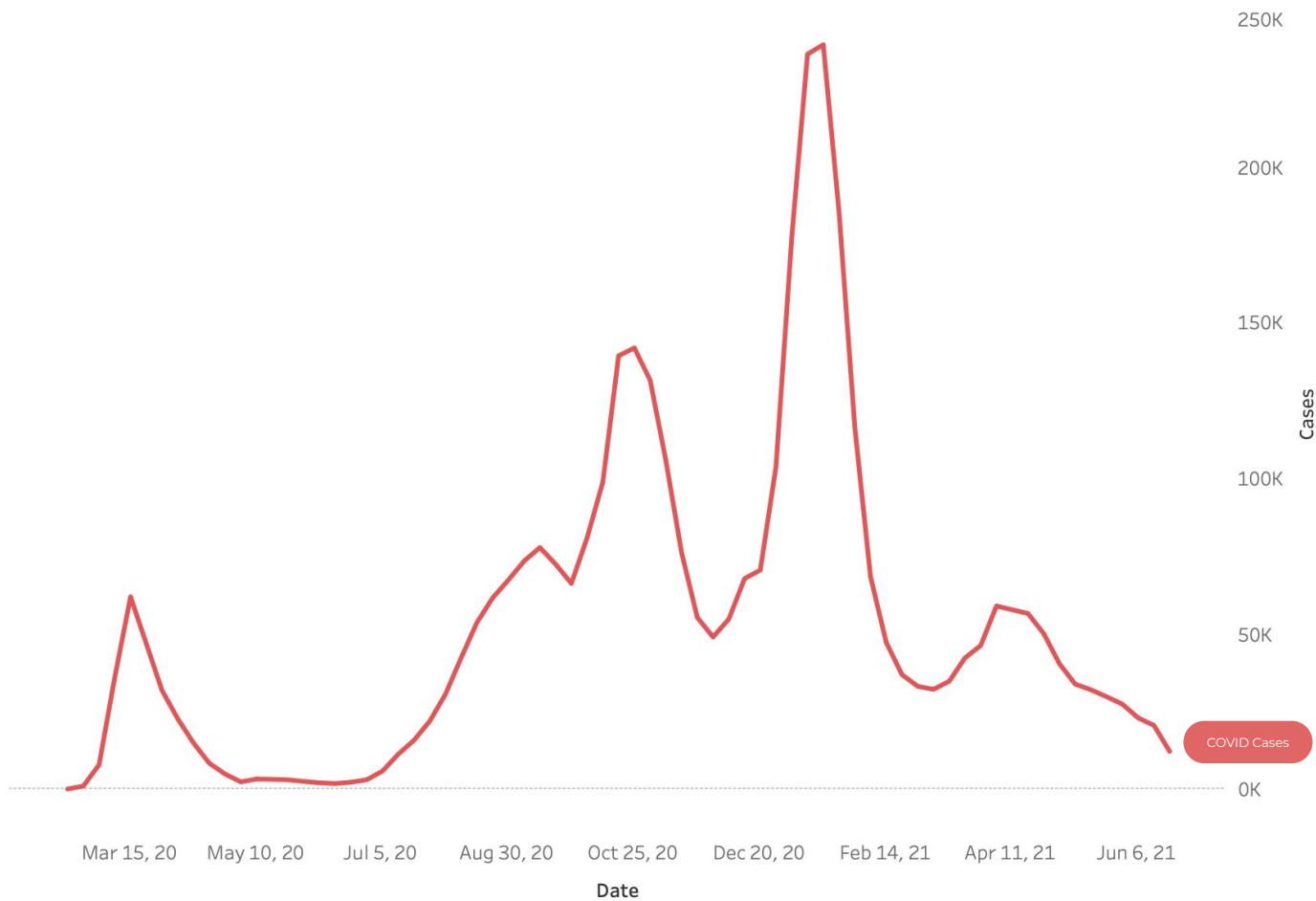
WALTER CONDE



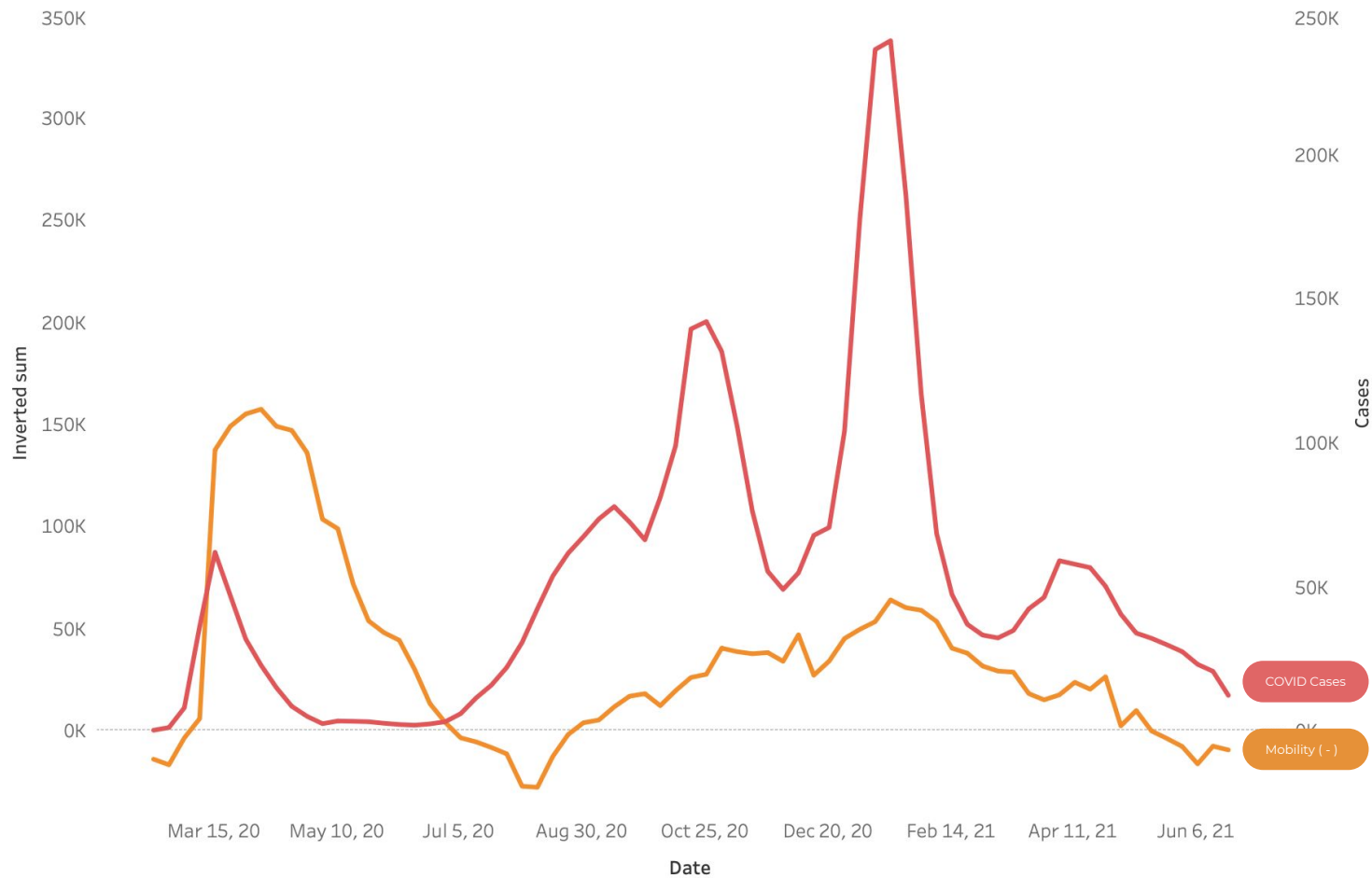
Don't underestimate google data



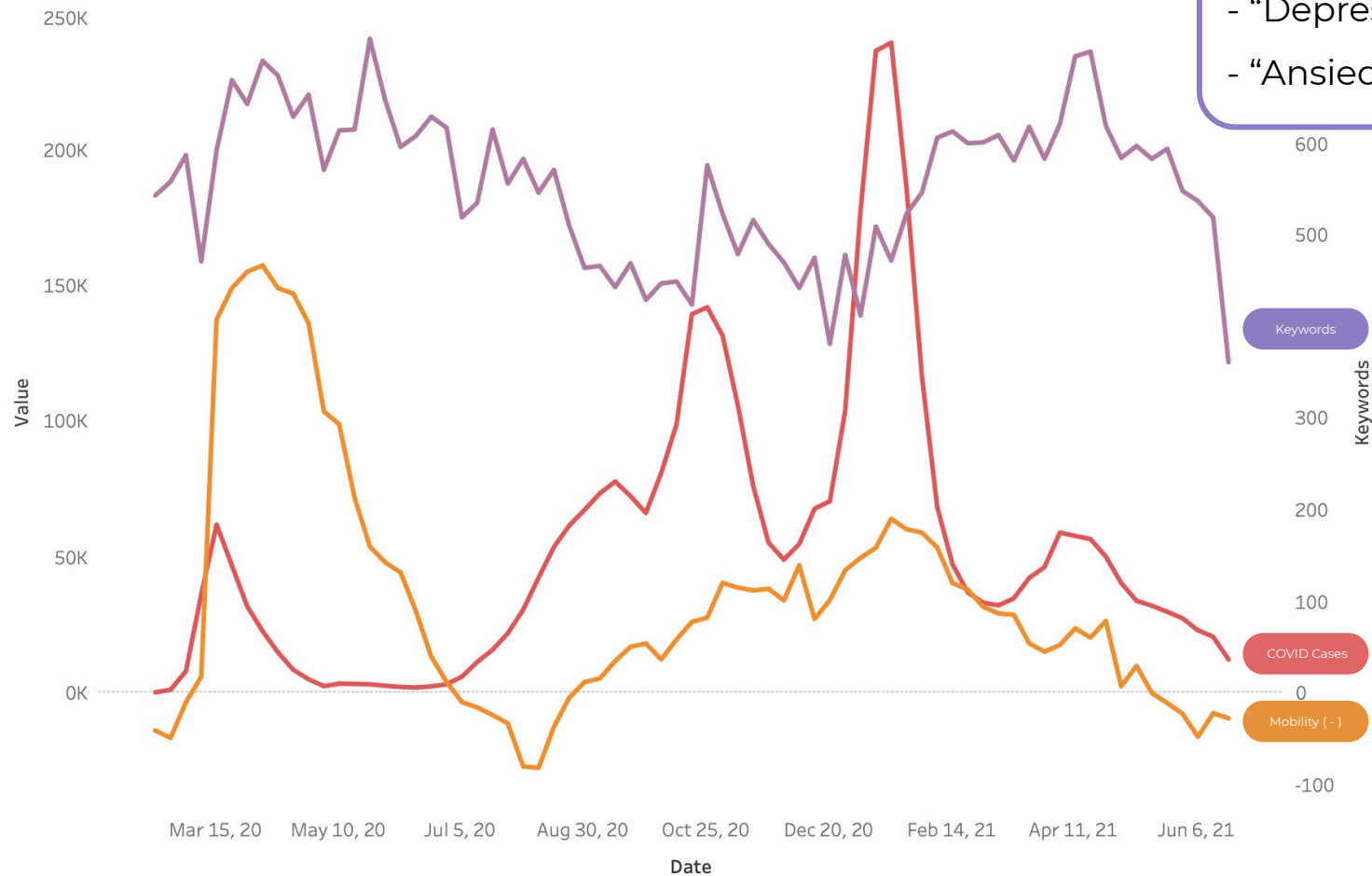
Mobility vs Keywords



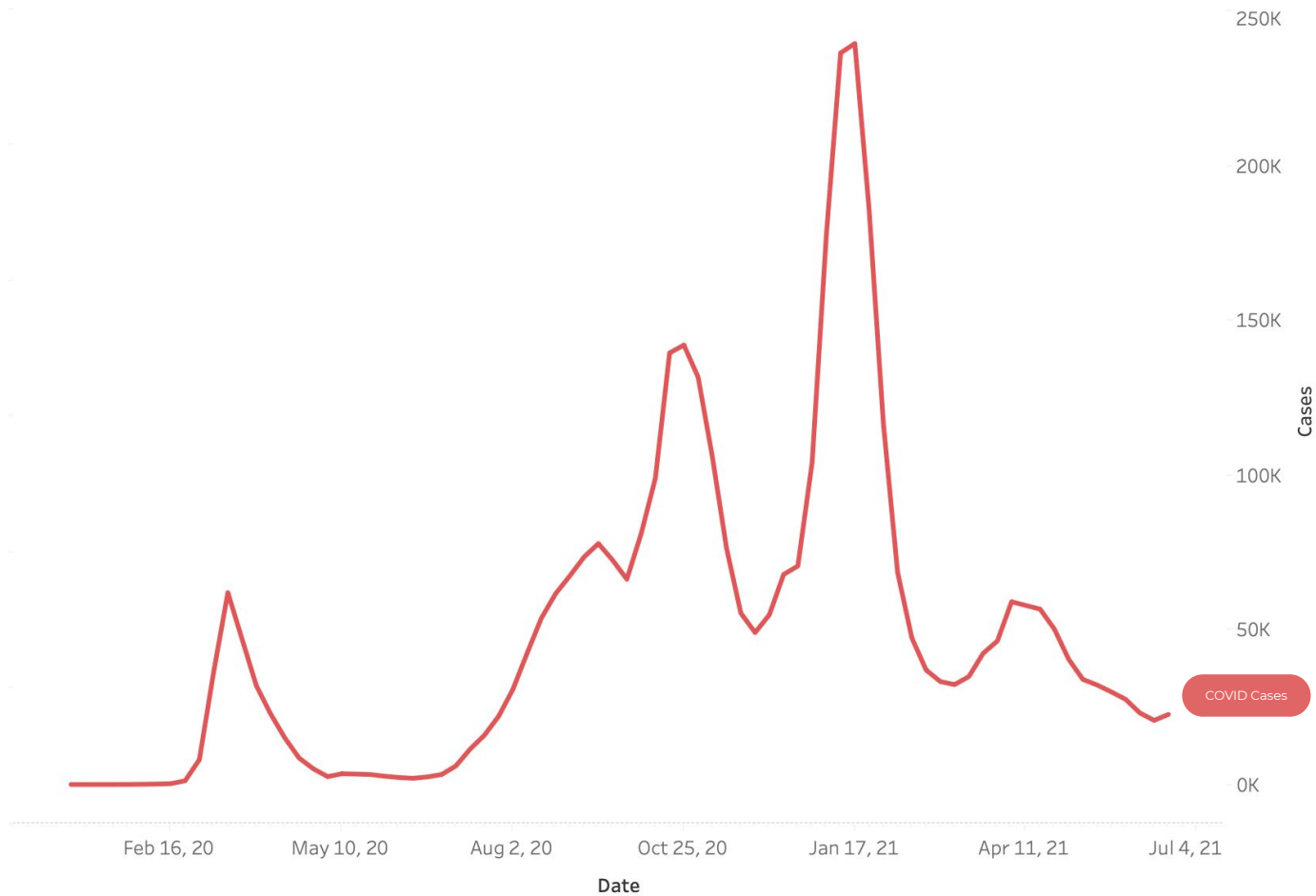
Mobility vs Keywords



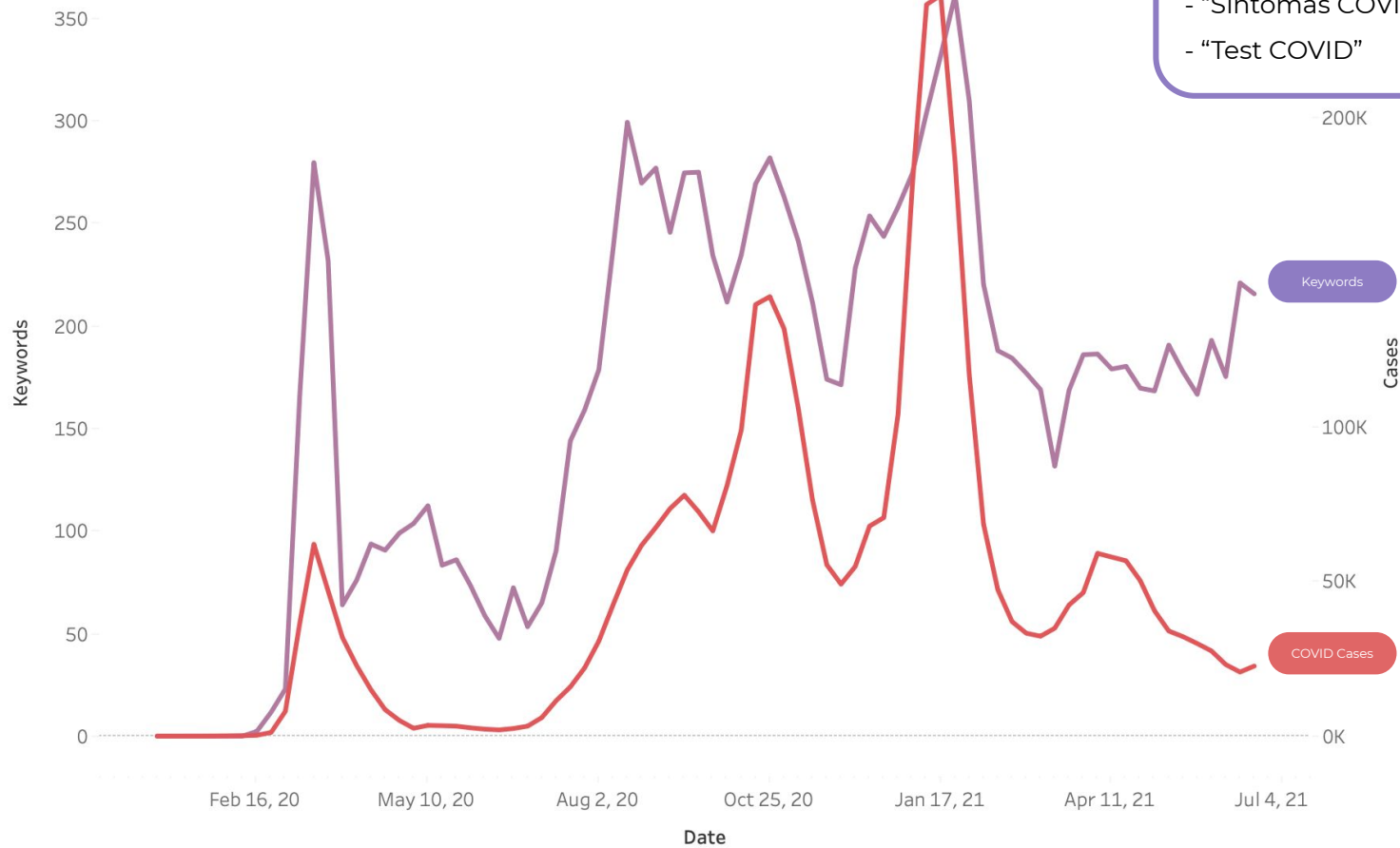
Mobility vs Keywords



Keywords



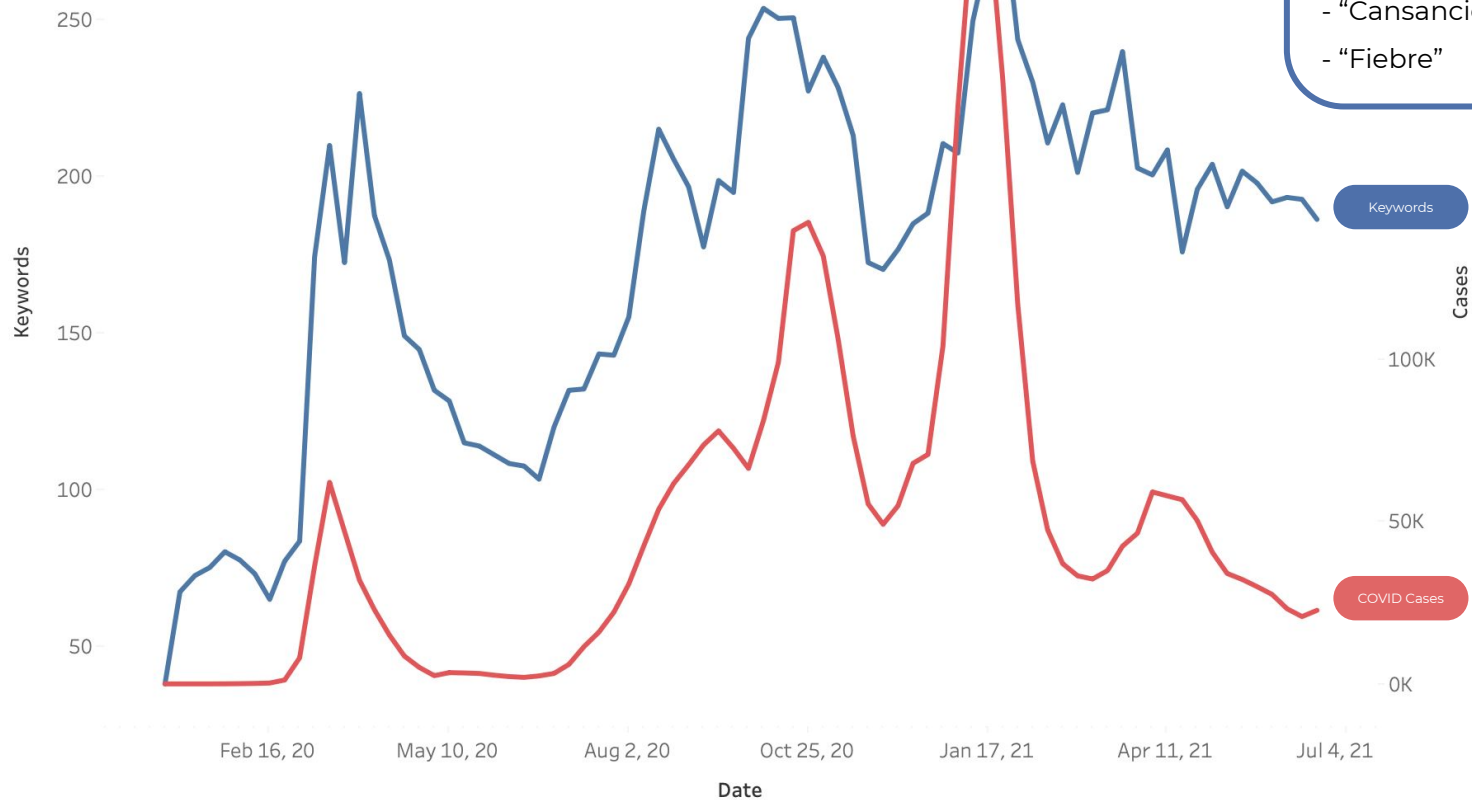
Keywords



Google searches:

- "Como saber si tengo COVID"
- "Síntomas COVID"
- "Test COVID"

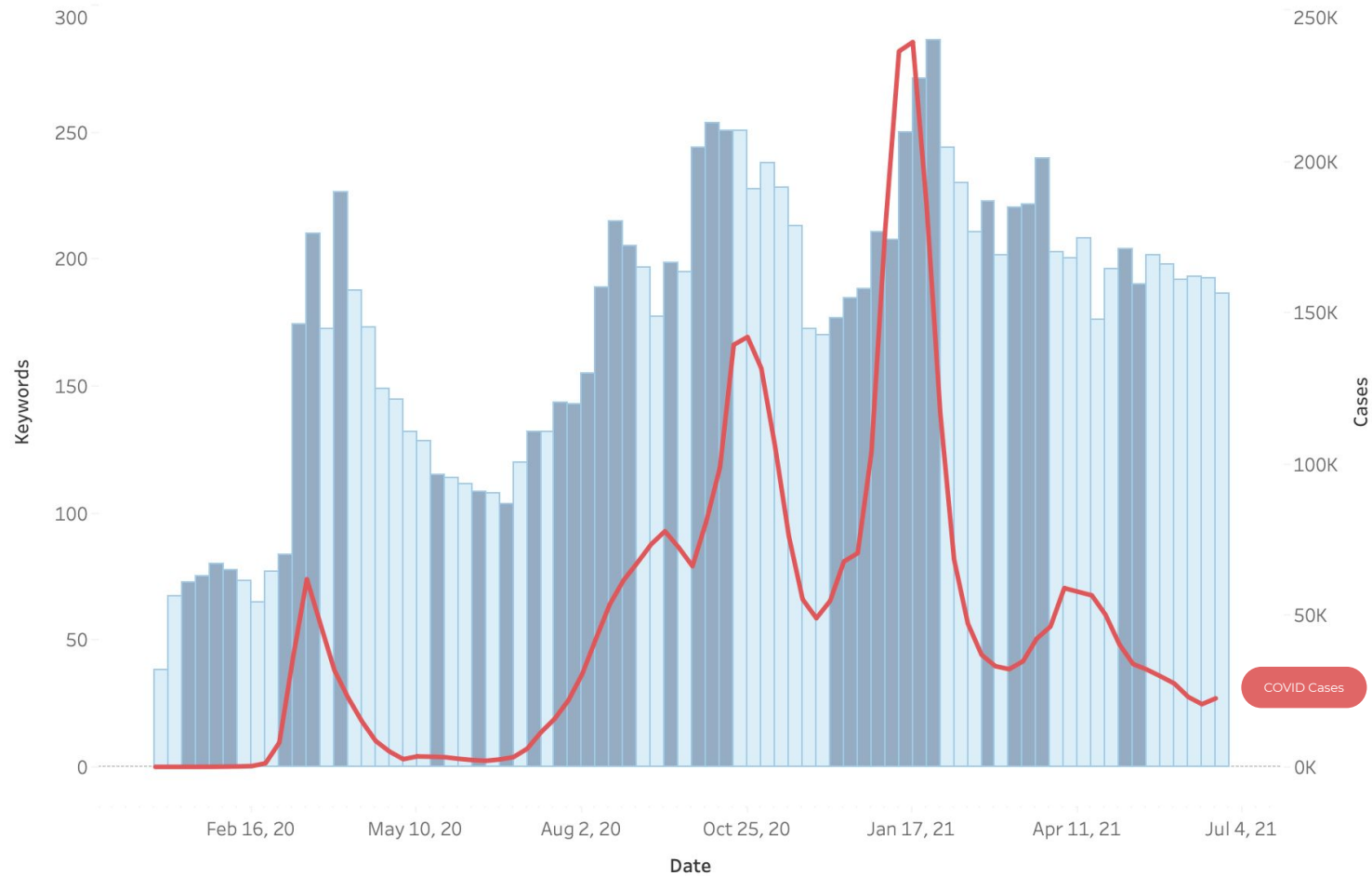
Keywords



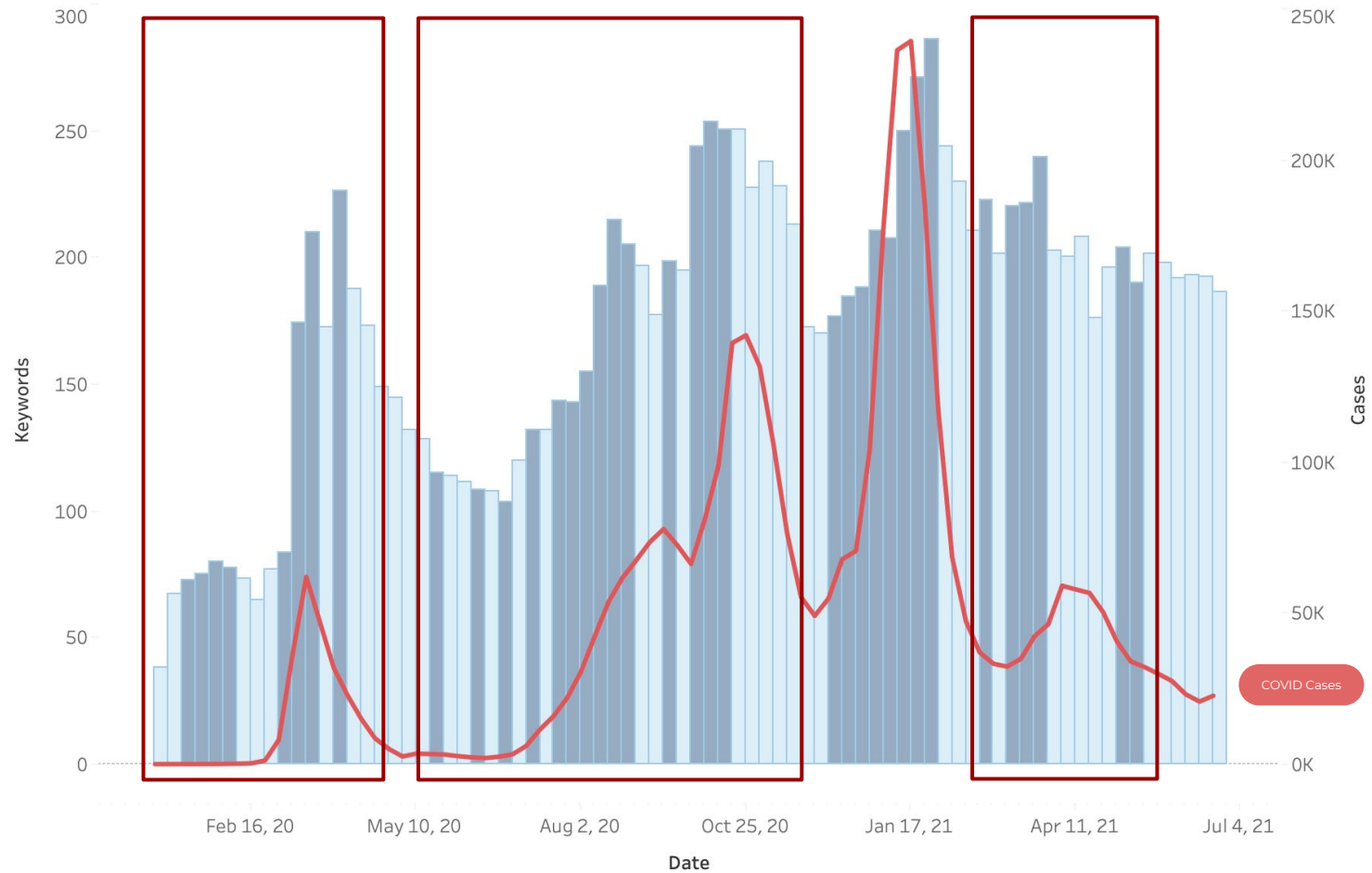
Google searches:

- "Tos"
- "Dolor de garganta"
- "Dolor de cabeza"
- "Cansancio"
- "Fiebre"

Keywords



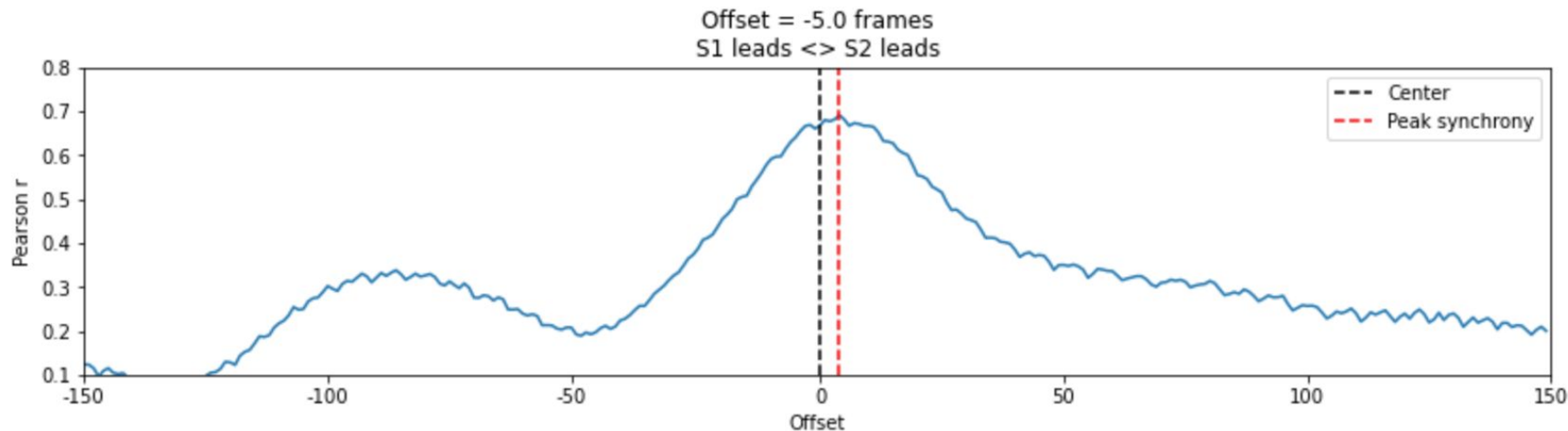
Keywords



Time Lagged Cross Correlation

Is measured by incrementally shifting one time series vector and repeatedly calculating the correlation between two signals.

COVID/Keywords: Correlation is maximized when “COVID Cases” is pulled back by 5 frames (or 5 days)





Thanks!

Any questions?