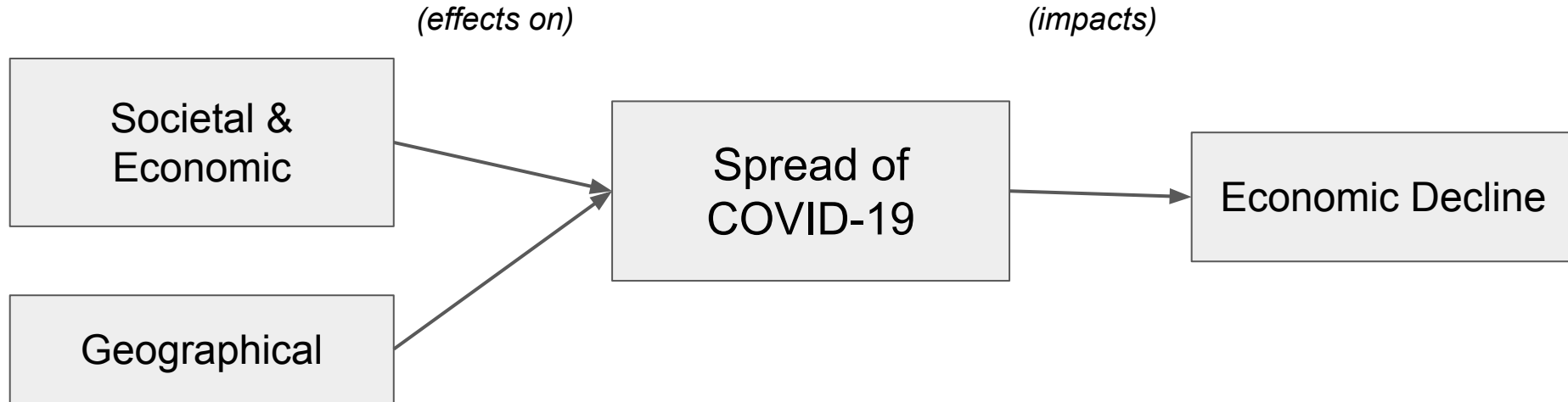# CSC343 Project Presentation

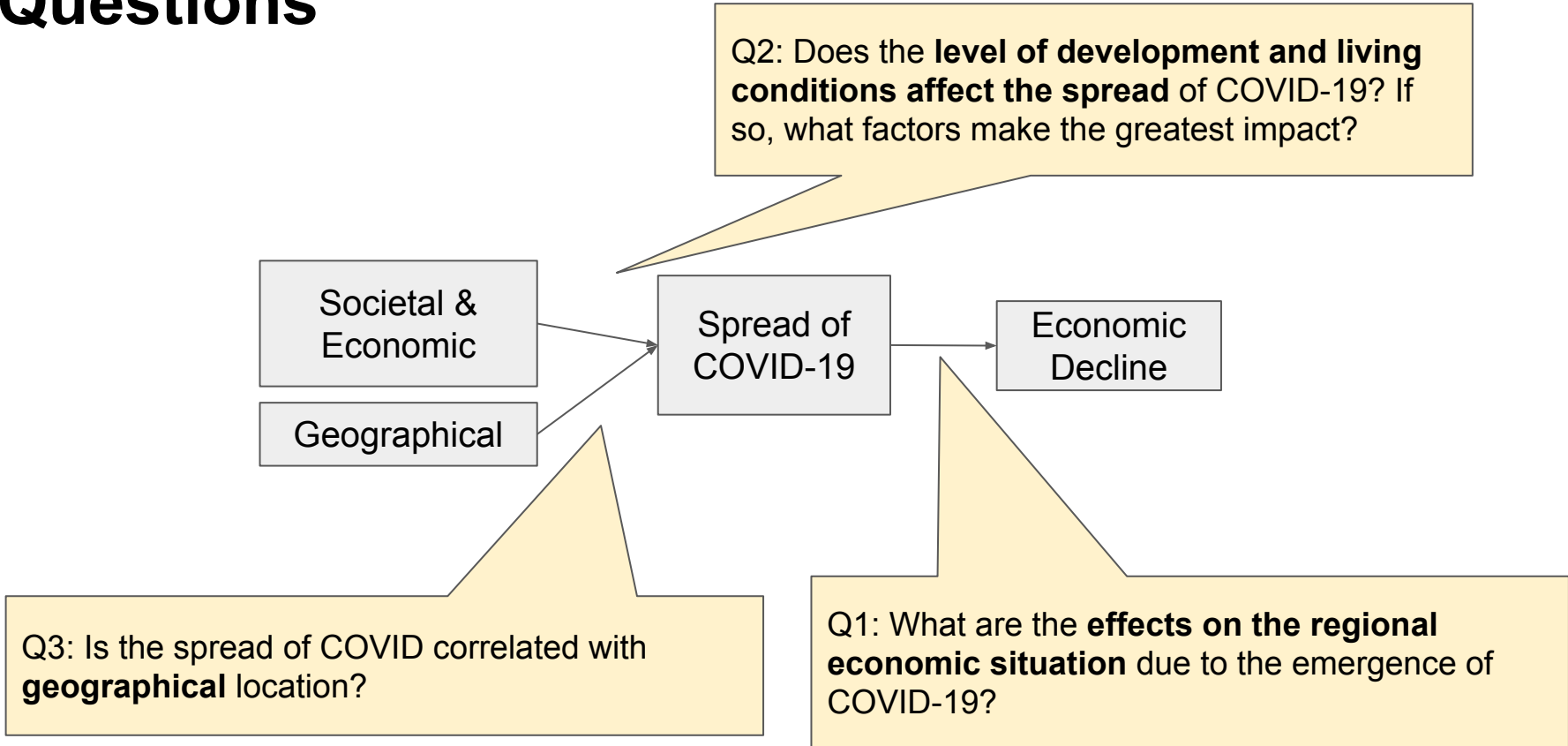Group 0047
Yubo Gao (1005024493)
Tian Yu (1004750655)

Domain

We investigate the factors affecting the spread of COVID-19 and its negative impacts on the economy.
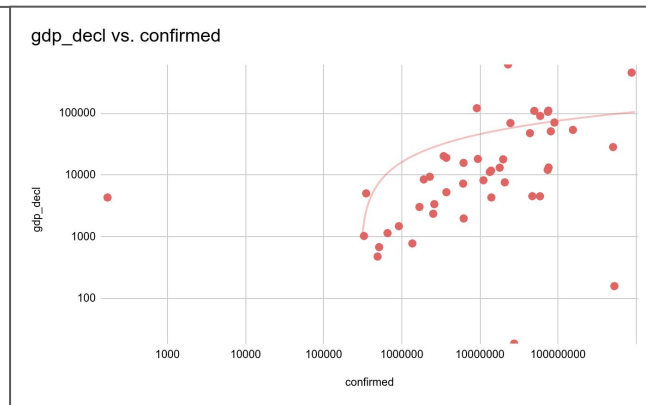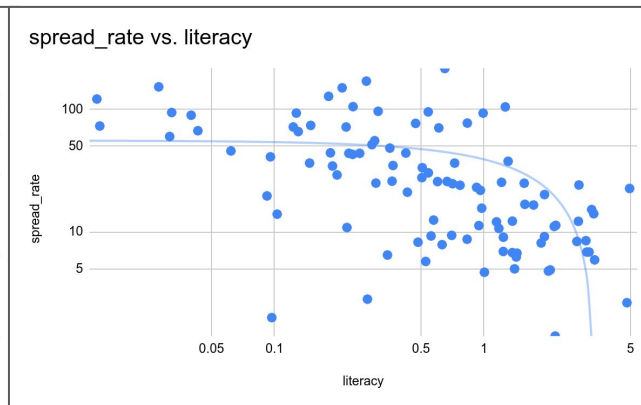
Questions

Q2: Does the **level of development and living conditions affect the spread** of COVID-19? If so, what factors make the greatest impact?

Societal & Economic

Geographical

Spread of COVID-19

Economic Decline

Q3: Is the spread of COVID correlated with **geographical** location?

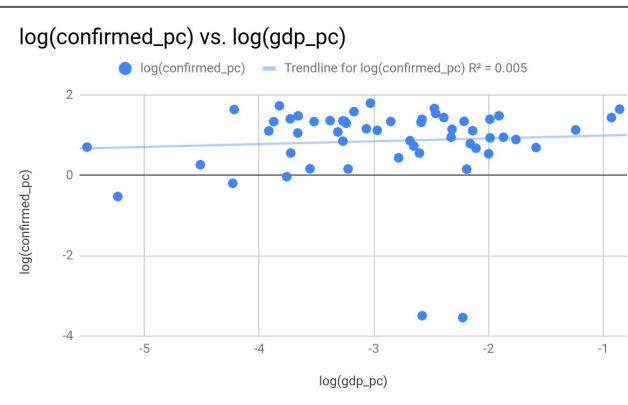Q1: What are the **effects on the regional economic situation** due to the emergence of COVID-19?
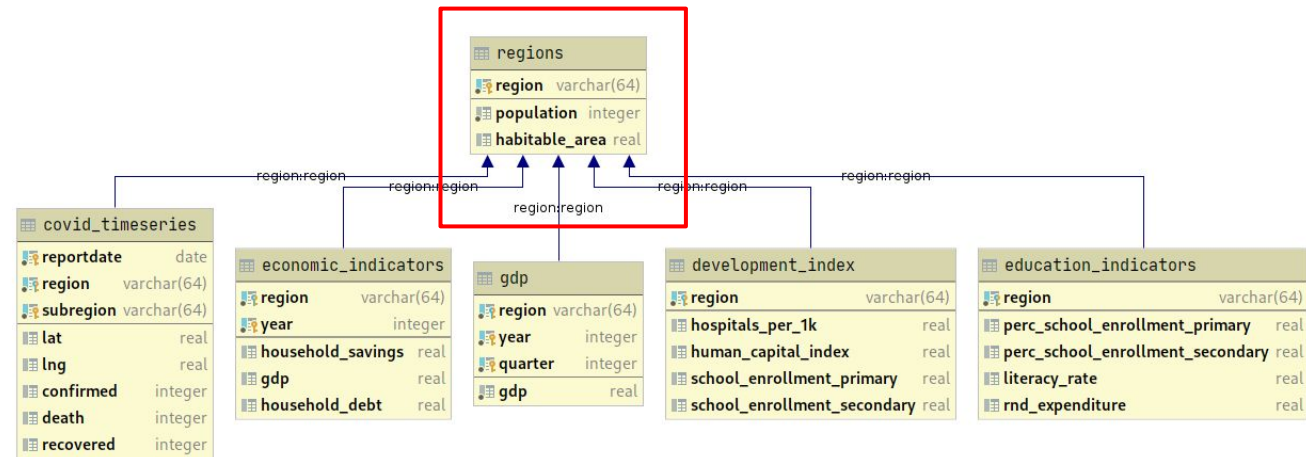
Major Findings

- Societal / educational factors have a much larger impact on preventing spread than economic ones (Queries 1b, 1c).

- Significant decline in economy proportional to scale of confirmed cases.

Evolution

Added "`regions`" table:

- to reconcile inconsistent and incomplete region names across different data sources

- restructured to include static regional information such as population.

Lessons

Use standardardized codes instead of names whenever possible:

- We faced consistency issues with region names.
- Use ISO 3166 country codes (CAN, USA, FRA, etc.) instead.
- Increases efficiency by decreasing amount of redundant data in the DB.

Use estimations in place of missing data:

- We face data sparsity issues in most of the downloaded datasets.
- Better to estimate during analysis rather than during data import (integrity)
- We used the difference of quarters (either two or three) to estimate the spread rate

Questions?