**1. Project Group**

**Please provide the following information regarding the project group members:**

**•A list of project group members.**

* Roman Sydorchuk
* Spencer Sumner
* Kacper Malysa
* Yurun Liu
* Mingxi Xia

**•A designated project group leader.**

* Kacper Malysa

**2. Project Topic**

**Please provide the following information regarding the project topic area:**

**•Application subject area (e.g., astronomy, biology, social services, etc.)**

* Subject area is public health, specifically public health responses to the COVID-19 epidemic within the United States. The question of interest is the overall effectiveness of various public health policies instituted in response to the pandemic.

**•Specific data set and sources (e.g., Kaggle, Google Public Datasets, etc.)**

* Data retrieved from the C3 AI COVID-19 Data Lake, as well as the Kaiser Family Foundation’s State Data and Policy Actions webpage.

Data Lake:

<https://c3.ai/products/c3-ai-covid-19-data-lake/> (must request access)

KFF State Data: <https://www.kff.org/coronavirus-covid-19/issue-brief/state-data-and-policy-actions-to-address-coronavirus/>

**•Reference resources (e.g., Articles, Papers, Existing Works, etc.)**

* Nature Article on large scale anti-contagion policies and their effect on COVID rates.
  + Hsiang, S., Allen, D., Annan-Phan, S. *et al.* The effect of large-scale anti-contagion policies on the COVID-19 pandemic. *Nature* 584, 262–267 (2020). <https://doi.org/10.1038/s41586-020-2404-8>
  + <https://www.nature.com/articles/s41586-020-2404-8#citeas>
* State-wide effects of shelter-in-place orders on COVID infections within the United States.
  + Dave, D., Friedson, A.I., Matsuzawa, K. and Sabia, J.J. (2020), WHEN DO SHELTER‐IN‐PLACE ORDERS FIGHT COVID‐19 BEST? POLICY HETEROGENEITY ACROSS STATES AND ADOPTION TIME. Econ Inq. doi:[10.1111/ecin.12944](https://doi.org/10.1111/ecin.12944)
  + <https://onlinelibrary.wiley.com/doi/full/10.1111/ecin.12944>

**•Supplemental resources (e.g., Reference Datasets, Software, etc.)**

* RStudio
* c3.ai COVID-19 API Documentation
* Github
* Communication:
  + Whatsapp
  + Google Hangouts