Brainstorm

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| **Idea** | **Data Description** |  |
| Best conditions for reopening | * Metrics during time of various reopening levels * Which levels led to better reopening success |  |
| New cases per day | * Metrics highly correlated with # new cases |  |
| Mortality rate per day | * Metrics highly correlated with mortality |  |
| Most effective policies + forecast impact | * Covid policies * Metrics of interest * Covid severity before vs after |  |
| When each state will reopen | * State data (democrat, republican, job breakdown, anti-quarantine protests, demographics, population size) * Covid severity |  |
| Increase of covid19 in US overall when each state reopens | * State data * US data |  |
| # deaths per day |  |  |
| When a hospital will reach capacity |  |  |
| When schools will reopen |  |  |
| When people will go back to work | * By region, county, or sector |  |
| Impact on income inequality | * Profession breakdown * Length of time for unemployed * Wages, salaries * Demographics |  |
| Environmental impact | * pollution- cars, companies, factories, airplanes, garbage |  |
| Weather Impact | * This virus seems to die at higher temperatures * How does weather, humidity, temperature affect covid |  |
| Supply distribution | * How does medical supplies being supplied to different locations affect case count and death rate? * How does other supplies affect locations? * (Hard to collect data on) |  |
| # deaths without lockdowns |  |  |
| # lives saved by policy |  |  |
| Protesting on covid impact |  |  |
| Impact of premature gatherings |  |  |

Potential Data Sources:

<https://www.kaggle.com/roche-data-science-coalition/uncover>

<https://github.com/nytimes/covid-19-data>

<https://github.com/OxCGRT/covid-policy-tracker>