

Problem: Lack of Knowledge about Covid-19

Covid-19 has taken the world by storm over the past 6 months, and we still know relatively little about how exactly it is transmitted from human to human, or what causes it to be vicious and even deadly in some cases, while mild or completely asymptomatic in others.

Not only governments, but businesses around the world are in dire need of as much information as possible about this virus, how we can treat it, and most importantly: how we can protect ourselves from it.

Plan: Examine Correlation Between Local Food and Covid-19 Infection and Mortality

In this project I will examine the infection and mortality rates of Covid-19 in neighborhoods across the United States, and compare that data with information about local restaurants, with a particular focus on the availability of fast food. The hypothesis is that the more fast food is available in a given neighborhood, the worse the underlying health of that neighborhood is likely to be, which could lead to higher infection and also higher mortality rates in Covid-19 patients.

Intended Audience: Local, State and Federal Government

The intended audience for this project is both local and state governments, and even the federal government in the United States, as well as any health care institution that wishes to gain a deeper understanding of Covid-19, and it's potential relationship to diet. This information could not only help in developing treatment plans, it could also help governments strategize where to install testing locations, and how to predict where Covid-19 could spike in the near future.

Depending on the findings, this could potentially help public health experts develop better recommendations for minimizing risk of Covid-19 infection and reducing mortality, as well as help individuals better plan their diets in order to reduce their risk due to this deadly virus.

At the moment, in such a tumultuous time, any new information learned about Covid-19 is a potential benefit to individuals, their communities, and the world as a whole.