

# COVID-19

BY MOST POPULOUS  
MIDWEST COUNTIES



How is this  
disease  
progressing  
through the top  
populous counties  
in the Mid-West?

# Hypothesis:

As population rates increase, then also will the affection rates of covid-19 incrementally increase.

- Population data
- Median Salary data
- Poverty data
- Confirmed cases data

...and more important topics





SEPTEMBER 2020

608,911

Total deaths

8,735,298

Total cases



# Finding and cleaning our data:

"A good start is just half the battle." -Plato



Using the census wrapper,  
we were able to gather  
thousands of data points:



```
Code:  
from census import Census  
c = Census(census_key,  
year=2018)
```



For the covid data we  
pulled from one of the top  
health care institute: John  
Hopkins



```
Code:  
covid_data=pd.read_csv  
('CSV_Data.csv')
```



For the maps and graphs  
we decided to try plotly  
express and matplotlib.

I M P O R T

# # DEPENDENCIES

L E T S   G E T   S T A R T E D

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import requests
from census import Census
import plotly.express as px|
```