CLIMATE SOLUTIONS

-The scientific community has been able to identify some key areas that can help stabilize climate change. How are we currently doing in addressing these problems?

Hypothesis:

Based on the perceived up-trending of renewable energy, electric car sales, higher educational achievement within populations, and influence of lockdowns in intensity of Covid-19 epidemics, we expect to see that there is a positive effect on stabilizing climate change.

Null Hypothesis:

Based on the perceived up-trending of renewable energy, electric car sales, higher educational achievement within populations, and influence of lockdowns in intensity of Covid-19 epidemics, we were unable to discern any trend of climate change stabilization

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1) Are renewable energy sources trending upward vs fossil? - Brian

\* Is renewable energy likely to overtake fossil fuels in the US?

\* US gov database

2) Have electric car sales truely made an impact on CO2? - Katherine

\* electric car sales data vs air quality

\* consumer data sources and EPA/gov sources for air quality

\* Major US cities

3) Population stabilization vs education rates? - Rahwa

\* US cities educational achievement (US Dept of Education)

\* Reproduction rates (County Health data)

9) Have COVID lockdowns affected air quality/water quality - Karen

\* Major city airquality 2020 data: EPA.gov (clean cities, us dept of energy – get from Katherine)

County/city name, year

\* Lockdown intensity.

Johns Hopkins CSSE – Covid19API.com

CODE EXAMPLES

Matplotlib.plt as matplot

from os import listdir

from os.path import isfile, join

onlyfiles = [f for f in listdir(mypath) if isfile(join(mypath, f))]

only files is a list of items you want to pull out of the directory

my path has to be the directory you are working in (../resources/name)

FIND YOUR DATA AND CLEAN IT FIRST

OUTPUT IT TO A .CSV AND ADD IT TO THE DATA FOLDER FOR EVERY ONE TO USE