**Project Title:** Covid-19 Mortality and Age Groups.

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**Project Description/Outline:** Covid-19 mortality and older age groups seems to be related. Can we clearly see a correlation between those two parameters across 10 different states within the United States?

**Definition:** Older age groups range from 55 years old and above. The populations are going to be divided between working (55 to 64 years old) and non-working\* (65 years old and above) age ranges.

\*Some people might be working within this age group but it might not be a significant portion of the population.

**Research Questions to answer:**

**H0:** Covid-19 mortality is not correlated to older age groups.

**HA:** Covid-19 mortality is correlated to older age groups.

**Datasets to be Used:**

1. All States: <https://data.cdc.gov/NCHS/Provisional-COVID-19-Death-Counts-by-Sex-Age-and-S/9bhg-hcku>
2. Conneticut:<https://data.ct.gov/Health-and-Human-Services/COVID-19-Cases-and-Deaths-by-Age-Group/ypz6-8qyf>
3. California: <https://data.ca.gov/dataset/covid-19-cases/resource/339d1c4d-77ab-44a2-9b40-745e64e335f2>
4. Massachusetts:<https://www.mass.gov/info-details/archive-of-covid-19-cases-in-massachusetts#march-2020->
5. Oregon (convert from pdf): [https://www.oregon.gov/oha/ERD/Pages/covid-19-news.aspx?wp6965=f:{c:38877,o:{t:2,o:[%22Weekly+Report%22]}}&wp5364=so:[[38877,0]]](https://www.oregon.gov/oha/ERD/Pages/covid-19-news.aspx?wp6965=f:%7bc:38877,o:%7bt:2,o:%5b%22Weekly+Report%22%5d%7d%7d&wp5364=so:%5b%5b38877,0%5d%5d)
6. Washington: <https://www.doh.wa.gov/Emergencies/Coronavirus#CovidDataTables>
7. Virginia: <https://www.vdh.virginia.gov/coronavirus/#COVID-19-resources>
8. Colorado (merge two sets of data): <https://data-cdphe.opendata.arcgis.com/datasets/cdphe-covid19-state-level-open-data-repository/data?orderBy=Name>
9. Alabama (convert from pdf): <https://www.alabamapublichealth.gov/covid19/data.html>
10. Florida:<http://ww11.doh.state.fl.us/comm/_partners/covid19_report_archive/state_linelist_latest.pdf> , <https://drive.google.com/file/d/1YF2_zrhyXgRTHgpFEIon1403jviYcJxT/view>
11. Covid-19 Data Sources: <https://www.wunderground.com/lite-content/en-US/coronavirus/sources>

**Rough Breakdown of Tasks:**

1. Data Search: All

2. Proposal: All

3. API: Ram (Ask if we need an API key?)

4. Pandas/Python: Anas

5. Matplotlib/Statistics: Sandra

6. PPT and Review all sections: All