**Project 1: Proposal**

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**Topic Proposal:**

· The kind of data that you’d like to work with/fields interested in:

o COVID-19 impacts around the world (March 2020 – October 2020)

· The kinds of questions you will be asking of the data (6 questions):

o Impacts of lockdowns and case count US (Timing of lockdowns and height of curve (case count) - **Fatima**

§ US data on social distancing and lockdowns -<https://github.com/COVID19StatePolicy/SocialDistancing/blob/master/data/USstatesCov19distancingpolicy.csv>

§ WHO case counts:<https://worldhealthorg.shinyapps.io/covid/>

§ John Hopkins US COVID data:<https://github.com/govex/COVID-19>

o Economic impacts by industry (ie. Hospitality, service), Bankruptcies – Fatima & Heather

§ COVID 19 – Impact on Airport Traffic<https://www.kaggle.com/terenceshin/covid19s-impact-on-airport-traffic?select=covid_impact_on_airport_traffic.csv>

§ Air B&B Open Data:<https://www.kaggle.com/kritikseth/us-airbnb-open-data>

§ Demand for Hotel Bookings:<https://www.kaggle.com/jessemostipak/hotel-booking-demand>

§ Bankruptcy/Insolvency in Canada:<https://open.canada.ca/data/en/dataset?organization=ic&res_format=XLS>

o Unemployment (Canada specific and can compare against PY and or global) - Heather

§ Stats Can<https://www150.statcan.gc.ca/n1/pub/71-607-x/71-607-x2020009-eng.htm>

§ Canada case counts:<https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection.html#a1>

§ OECD Global Unemployment rate:<https://data.oecd.org/>

o Real estate sales impact (volume and location of rental and buying market) – **Changhao & Akbar**

§ Canadian Mortgage and Housing Corporation:<https://www.cmhc-schl.gc.ca/en/data-and-research/data-tables>

§ API for Real Estate:<https://www.attomdata.com/news/attom-insights/best-apis-real-estate/>

§ House Sales in Ontario:<https://www.kaggle.com/mnabaee/ontarioproperties>

o Demographics – age and case/death counts - Akbar How does COVID 19 infecti

§ Canada COVID data including age, sex, health region location:<https://www.kaggle.com/howsmyflattening/covid19-challenges>

§ Canada case counts:<https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection.html#a1>

o Technology stock prices impact (work from home impact ie. Zoom, Slack, Cisco, ) - Chenghao

§ Zoom:<https://ca.finance.yahoo.com/quote/ZM/history?p=ZM&guccounter=1>

Other Topics:

o GLOBAL Impacts of lockdowns and case count Global – can select a sample of countries and do Global view (ie. Sweden, US, Norway, NZ)

§ WHO case counts:<https://worldhealthorg.shinyapps.io/covid/>

§ Johns Hopkins https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html?fbclid=IwAR15f0DV9gDcjdbYAItcoACNy\_Wcuaq9kskO4v3ziUq049bXLsoRaVQljqo#/bda7594740fd40299423467b48e9ecf6

o Mental health/wellness impacts of lockdowns

o Hospital Capacity (US)

§ <https://www.kaggle.com/mrmorj/hospital-bed-capacity-and-covid19>

**Group Task Assignment:**

· Data Exploration

· Identifying and pulling data

· Analyzing data

· Bringing together/presentation