CSI4142
Fundamentals of Data Science
Course Professor: **Yazan Otoum**
Supervisor**: Lansu Dai**

Project Plan

Group 15 Team Members:

First Name, Last Name:	Student ID:
Lixiong Wei	300145970
Zhiyuan Lin	300126813

Due Date: Jan 26th

Group

No.15

Team lead Team's ID/email Address:

Lixiong Wei

300145970

lwei075@uottawa.ca

Dataset with reference:

https://data.ontario.ca/dataset/?keywords_en=Health

Project Title:

Utilize public health data to analyze trends in Covid-19 and efficacy of vaccination

Project Description:

This project aims to examine the correlation between COVID-19 and vaccination, focusing on two key dimensions: the levels of COVID-19 activity and vaccination rates in Canada. Dataset are gathered from May 2020 to the close of 2023, obtained from various online sources. This project will encompass metrics such as the percentage of positive cases within different age brackets, the prevalence of vaccines across Canadian provinces and territories, and demographic information concerning vaccination status within different age groups. By amalgamating and contrasting this information, the study seeks to discern the comprehensive impact of vaccination on individuals and assess the efficacy of COVID-19 vaccines.

Motivation:

COVID-19, short for "Coronavirus Disease 2019," is a highly contagious respiratory illness caused by the severe acute respiratory syndrome. The fight against COVID-19 continues to be a collective effort, involving governments, healthcare professionals,

researchers, and communities around the world. Studies regarding the statistic of covid-19 and efficacy of vaccination have significant impact on precaution and treatment.

References:

https://health-infobase.canada.ca/covid-19/vaccination-coverage/

https://www.mayoclinic.org/diseases-conditions/coronavirus/in-depth/coronavirus-vaccine/art-20484859