

COMP 3125 Data Science Fundamentals

Spring 2025

Topic of Individual Project
Due at 11:59 pm on Sunday, Mar 2

Based on the introductions of individual projects, please decide the topic of your individual project. Fill in the following questions and submit the filled PDF version before the deadline.

1. What's the topic? Add a short description here

Covid 19 Vaccines: market data & analysis

2. If the dataset exists, what's the link of the dataset/datasets? If not, how will you create this dataset?

<https://www-statista-com.ezproxywit.flo.org/study/124749/vaccines-market-data-and-analysis/>

3. What are the four questions to solve/answer to this topic?

How successful was the vaccine at the time of the pandemic?

What was the overall revenue of the largest seller of vaccines for COVID-19?

Which company sits at the top for vaccines?

Which country invests the most in vaccines for COVID-19?

4. Among your questions, which one need quantitative analysis (Training a model) to get your answer. What model/method do you plan to use?

I plan to use regression analysis for the first question to check the relationship
Between vaccination rates and cases/hospitalization reduction

5. Are there any suggestions you want to provide for the instructor?

Only the first question requires a model and the rest can be solved with data aggregation and analysis