

COMP 3125 Data Science Fundamentals

Fall 2025

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

World Happiness Report Analysis, I want to take the yearly published data from the WHR (Oxford University) and analyse what variables lead to increased happiness & vice versa.

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

WHR (Published Yearly): <https://www.worldhappiness.report/>

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

- a. What impact does GDP have on the general happiness level?
- b. Does the country's main industries meaningfully impact happiness?
- c. What is the impact of government style on Happiness?
- d. What (if any) is the impact of air quality on happiness?

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

Question A will require quantitative analysis for provincial and national GDP numbers against provincial and national happiness numbers. And this will need a linear regression model due to the nature of the data set.

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

Nothing!