Final Project Progress Report 1

(due May 3rd 11:59p.m)

You can start working on the project once your report is accepted and graded by your TA. The entire final project is worth **35%** of your final grade and this report accounts for **10%**. This project is done individually.

Submission Guideline

Download this google doc, fill the table (**Type** your answers, no handwritten answers will be accepted) and submit it in **PDF** format on Gradescope.

If you need some inspirations please feel free to take a look at:

Showcase of Information is Beautiful Awards

Bloomberg Year In Graphics Review

The Pudding

The New York Times

Project Guidelines

1. You may use more than one dataset, however, regardless if you use one or multiple datasets, your visualizations must make use of at least three unique data types (tabular, link (node-link), position (location) etc.)
2. You cannot use any dataset from the class (Labs, Assignments, Lecture Exercises)
3. You can make your own dataset (Web scrape etc.) provided point 1. is satisfied.

Project Topic	Status and Prospects of Data Science Careers
Dataset Description	Provide 1) The list of attributes: - **work_year**: The year in which the salary was paid - **experience_level**: The experience level in the job during the year - **employment_type**: The type of employment for the role (e.g. full-time, part-time, contractor) - **job_title**: The specific role worked in during the year - **salary**: The total gross salary amount paid. - **salary_currency**: The currency of the salary paid, using the ISO 4217 currency code - **salary_in_usd**: The salary converted to US dollars - **employee_residence**: The primary country of residence for the employee during the work year, using the ISO 3166 country code

- **remote_ratio**: The overall amount of work done remotely
- **company_location**: The country of the employer's main office or contracting branch
- **company_size**: The median number of people that worked for the company during the year

2) Here is a single row in the dataset:

```
1  data.iloc[0] 💡
✓  0.0s

work_year                              2023
experience_level                         SE
employment_type                          FT
job_title              Principal Data Scientist
salary                                80000
salary_currency                         EUR
salary_in_usd                         85847
employee_residence                       ES
remote_ratio                            100
company_location                         ES
company_size                              L
Name: 0, dtype: object
```

Dataset Link	https://ai-jobs.net/salaries/download/
1.Why did you choose this particular dataset? 2.What kind of story do you aim to deliver? 3.Who is the intended audience?	1. I chose this dataset because the content is related to my career path and may impact my career choice. Analyzing this dataset can reveal insights about data science salary trends, employment types, job titles and remote work. It helps students like me to make an informed decision. 2. I aim to show the trends of data science jobs by experience levels, locations, etc. These visualizations can be used to understand the current state and outlook of employee compensation, job titles, and remote work in different countries and industries. 3. The intended audience is those who aim to work in the data science field and want to understand the salary growth of data science related jobs, including data science major students.

[Task Abstraction] What is the action and target of the questions your project answers?	• Compare - Trends: Compare salaries for different data science jobs by looking at salary trends over time • Browse - Shape: Given a country on the map, get its average salary for different data science jobs • Annotate - Topology: annotate the salary on a node indicating the experience level of a data science job
[Optional] Are there any derived attributes you plan to create?	• Average salary for different data science jobs
[Optional] Any link(s) you referred to for inspiration	