**Assignment #1**

**(15 points) Due date**: Jan. 17, 2024

This assignment aims to assist your understanding of the roles and expected technical skills of the data scientists and analysts. This task will help you to develop case studies and a final project for this course. Find 2-3 data science job postings on a job board of your choice, such as Glassdoor, Indeed, or LinkedIn, that you may be interested in. This assignment will also test communication channels among the students, the grader, and the instructor.

After completing the items in the following table and two open-ended questions, submit a typed assignment to Bitbucket in a folder named “Assignment.” Then, post the repository link on Brightspace and send the grader and the instructor an invitation to the repository.

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|  | Job #1 | Job #2 | Job #3 |
| Job title | Data Analyst | Data Scientist | Machine Learning Engineer |
| List 2-3 required technical skills | SQL, Data Visualization, Data Aggregation | Data Preprocessing, EDA, Business Intelligence, Data Pipelines | Model Building, Model Evaluation, Model Deployment |
| List 2-3 skills or expertise you want to learn or practice in this course | Pandas, Data Cleaning, NumPy | Data Visualization, Causal Analysis, Statistics | EDA tools, initial data insights, presentation |
| Describe 2-3 areas where you are interested and want to apply the knowledge you have gained. This item will assist you in finding data sets for developing data analysis projects. | Finance Industry, Insurance Industry | Robotics | Pharma |
| Salary range | 80,000$–1,00,000$ | 100,000$–1,20,000$ | 100,000$–1,40,000$ |

1. What is your career goal? Which computing field do you want to work in after graduation?

Ans – I want a career as Machine Learning Engineer – NLP, Computer Vision, Deep Learning – I have yet to narrow down the exact domain.

1. What are you most excited about in this course? What are you most worried about?

Ans – I am most excited in learning the best way to present data insights to technical and non-technical audience. I do not have any worries as of this moment.

1. (Optional) What are your reasons for taking this class?

Ans – The course aligns with my career path and serves as a building bock to my technical skills

1. (Optional) Anything else you would like to share about yourself or expectations for the course?

Ans – Hoping to have a fun experience!