Careers in Data

**Team Members**

Dallas, Meagan, Shekhar

**Project Description/Outline**

Why are we in this class? In this project, we aim to discover what it takes to get a foot in the industry, where the opportunities lie, and the level of satisfaction in this burgeoning field.

**Research Questions to Answer**

1. Which location/region has the most opportunities?
2. Who gets hired? What kind of talent do employers want when they are hiring a data scientist?
3. What are the Google trends for data science versus application programming?
4. Which programming languages are most used in data science?
5. What's the difference between data scientist, data engineer and data analyst?
6. Can you develop an efficient classification algorithm to differentiate the three job types above?
7. What are trends in salary and market growth?
8. What are data science job satisfaction levels?

**Data Sets to be Used**

Kaggle dataset

Stack Overflow dataset

Google Trends

Bureau of Labor Statistics API

Twitter API

**Rough Breakdown of Tasks**

Question 1, 5, 6 – Shekhar

Question 2, 4, 7 – Meagan

Question 3, 8 – Dallas