**Dissertation**

**Stage I- Data Science Profession Survey**

The data will tell us about the following the items which are collected from the job search websites also the data is open source and needs to be cleaned as per analysis. The data describes as:

1. Gender differences (understand them)
2. Different skills by position
3. Pay differences based on skills (tools, coding ability, languages)
4. What opportunity come from higher education?
5. What did people leave blank the most?

**Exploratory Data Analysis Process**

The plan of attack to this data will start from the understanding. The data gained might be having the around 20,000 cells. It will be a good approach to study the carefully before programming into it.

Here are the steps:

1. High level of understanding of data (look at columns, nulls, shape, etc)
2. Understand how to work with different question types (Multiple answer vs single answer)
3. Experiment with plotly basics px vs go
4. Start with coding

**Links I Followed for This Project**

To study about the project and approach, I followed these links:

<https://towardsdatascience.com/data-science-trends-based-on-4-years-of-kaggle-surveys-60878d68551f>

<https://gss.civilservice.gov.uk/wp-content/uploads/2016/02/Surveying-the-Data-Science-Skills-Landscape-in-Government.pdf>

<https://www.rexeranalytics.com/data-science-survey>