Data Analytics Reflect Activity

# **What I want to learn in this class**

I want to acquire robust knowledge in the Data Analysis using statistical methods and build hands-on technical skills to solve data problems.

Being a non-programmer, I want to become proficient in programming using Python to build ETL pipelines, run analytics, automate data acquisition, cleanup, processing and validation. I would also like to learn building data visualizations (such as data tables, charts, maps etc.) to better explore and explain data to end users.

As most of my experience is in using Relational Databases with structured data, I would like to learn about processing un structured and semi structed datasets and storage systems suited for these types of data.

# **What I am most excited to learn**

I am most excited to learn programming using Python and the variety of packages available in Python. I am equally eager to learn statistical modeling and building cool visualizations on top of multiple datasets.

# **How the skills I learn in this class will help your career**

I am currently working as a Data Analyst in a Hadoop based data processing project. I use SQL and Hive queries to process and validate data for my day to day work; but I do not have any programming experience.

I am hoping that the new skills taught in this course will allow me to apply the latest technologies and methods in extracting value out of the datasets that is normally not possible with traditional SQL. In addition, I hope that this will advance my career into data engineering from current data analysis.