

## CSE 578 Unit 5 Project Progress Report

Dr. Ghayekhlou

3/28/2021

**Project Name:** Data Visualizers

**Group Members:** Rosty Hnatyshyn, Kyle Gonzalez, Nicholas Seah, Sang-Hun Sim, ~~Andrew Gregory~~

### **Project goal:**

Build a machine learning model that is able to predict whether or not a person makes more than \$50k a year. From the model, figure out what attributes are critical to determining a person's salary; use these attributes to create a visualization that clearly explains the relationship between these attributes and a person's yearly salary.

### **Plan:**

First, we'll need to analyze and clean the data given to us so that its ready to be put into a machine learning model. Then, we'll need pick a model that works best for this problem and train it. Then, we'll need to analyze what factors were important in its predictions and build a visualization that describes them. We will meet on 2pm MST on Thursdays.

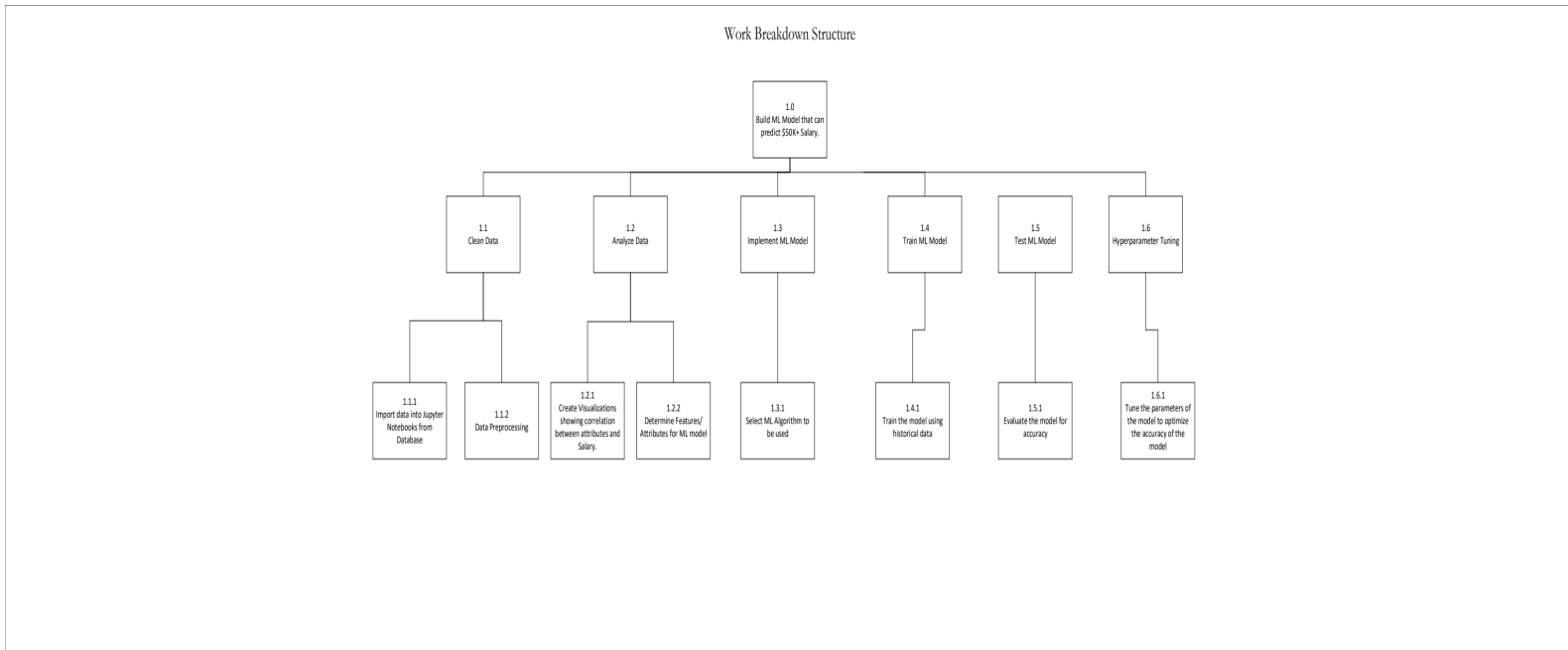
## Work distribution:

Rosty – Clean up data, help with machine learning

Kyle – Machine Learning

Sang-Hun – Analyze machine learning model

Nicholas – Visualization



## Deadlines:

Analyze and clean data: 3/21

Build machine learning model: 3/28

Analyze machine learning model: 4/3

Finish visualization describing relationships in model: 4/10