**Project Scope, Schedule, Team & Deliverables**

**Project summary:**

This problem statement provides a way to predict average life expectancy of people living in a country when various factors such as year, GDP, education, alcohol intake of people in the country, expenditure on healthcare system and some specific disease related deaths that happened in the country are given.

**Project requirements:**

This approached the task of predicting life expectancy as a supervised machine learning task. We trained and tested a long short-term memory recurrent neural network.

**Functional Requirements:**

* The dataset;
* The train-validation-test split;
* Creating the input data for the model;
* Determining the model architecture;
* selection;
* The evaluation protocol.

**Technical Requirements:**

* Loading packages
* Reading the data
* EDA
* Preprocessing the data
* Linear Regression and additions
* Linear Regression with Polynomial Features
* Decision Tree Regression
* Random Forest Regression

**Software Requirements:**

Python is better . It has huge libraries and support for machine learning. Matlab is used by Hinton and Andrew Ng's course because it is relatively easy, and students can concentrate on more important aspect of understanding the theory and math. Its bible for start in machine learning.

**Project Deliverables:** In 25-30 days, project can be delivered.

**Project team:** Currently I am working alone for this project.

**Project Schedule:**

First our target is to create the model which will take 5-10 days. And Next is to set the target which include training and testing day (it will take 15 days). Finally we can launch our project.