

**TASK1: Data Exploration and Linear Regression with Python**

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**10 Marks**

**Duration: 1 week**

<https://sites.google.com/site/shahidmawan/machine-learning>

1. You are advised to download a data set of your own choice from KAGGLE, UCI Machine Learning repository or from any source over internet or links mentioned in above weblink
2. You are required to perform exploratory data analytics on your selected data set {by following any one of first four tutorials in above weblink} [5]
3. Perform Linear and Multiple Linear regression tasks on your selected data set. [5]
4. Prepare a well formatted report, which would include the following
  - a. Data Source
  - b. Section1: Data Exploration
  - c. Section2: Regression Analysis on Data
5. Include the Data Set and Repot in a zip and submit on moodle.
6. Sample python code and data set is attached.

Shahid