Machine learning scope

Theory

* Supervised learning: Classification and Regression
* Overfitting and Underfitting and ways to mitigate these problems
* Machine learning libraries
* Correctness 1.5 of study guide
* The Bias-Variance Trade-off 1.6 of study guide
* Median and mean imputation

Practical

* How to do standardization
* Calculating performance metrics
* Step on how to train linear regression (e.g. load the houses data in a dataFrame, applying label-encoding, split the dataset, etc.)
* k-means clustering algorithm
* Python code to Train the decision tree and logistic regression models for making predictions