

Assigned:
April 01, 2021

Project - Individual

Due:
April 30, 2021

Please provide the below content related to the project notebook and report.

1 Project Notebook

Please provide the following regarding the project notebook (**Note:** Python 3.8+/sklearn 0.22+/ONNX 1.7+):

- A **Scikit-Learn** based **Pipeline** for training with the provided data in *csv* format - model research/fit development.
- A **ONNX** based **Model** for testing with a runtime session in *onnx* format - model deployment/edge inference.

2 Project Report

Please provide the following regarding the project report (**Note:** Can be inline with the *Project Notebook*):

- Abstract - Research summary, findings, and next steps.
- Overview - Problem statement, relevant literature, proposed methodology.
- Data Processing - Pipeline details, data issues, assumptions/adjustments.
- Data Analysis - Summary statistics, visualization, feature extraction.
- Model Training - Feature engineering, evaluation metrics, model selection.
- Model Validation - Testing results, performance criteria, biases/risks.
- Conclusion - Positive/Negative results, recommendations, caveats/cautions.
- Data Sources - Links, downloads, access information.
- Source Code - Listings, documentation, dependencies (open-source).
- Bibliography - Reference citations (Chicago style - AMS/AIP or ACM/IEEE).