

ECE326 (Programming Languages) – Fall 2022

Mini-Project

SUBMISSION: December 07, 2022 11:59 PM

- Topic: Datascience using Python
- Study: <https://www.tensorflow.org/tutorials>
- Study: <https://scikit-learn.org/stable/tutorial/index.html>
- import tensorflow as tf
- import tensorflow_datasets as tfds
- Provide a brief description of Tensorflow. Compare pros and cons with scikit package.
- Analyze various datasets available with the package:
<https://www.tensorflow.org/datasets>
- Choose a dataset, provide reason why you chose that dataset.
- Fetch and display various parameters of the dataset.
- Filter out anomalies (if any) from the dataset.
- Export (write) the filtered data in CSV format.
- Draw histogram for important parameters.
- Do you think tensorflow can be used to implement a spell-checker? Explain.
- Submit complete python code along with a concise project report (template will be provided) with the naming convention ECE326_project_<your section PRA00x>_<your UTORid >.pdf