SIT799 Human Aligned Artificial Intelligence

High Distinction Task 6.1: Explainable AI

Overview

During week 6, you have been introduced to: what is explainable AI; some of the most important explainable AI methodologies and approaches, broken down into these three stages: pre-modeling explainability, explainable modeling, and post-modeling explainability. To better explore Explainable AI, in this assignment, we will look at the use .

To complete this assignment, you need to refer back to Week 6 lecture material.

Requirements

It is required to use Python 3.9. Please install the packages provided in the **requriments.txt** file as follows:

```
> virtualenv python3.9_task_6.1HD
> source python3.9_task_6.1HD/bin/activate
> pip install -r requirements.txt
```

Submission Details

Convert the Jupyter Notebook to a **PDF** and submit that document. You may have to install pandoc to convert a Jupyter Notebook to a PDF document:

http://pandoc.org/installing.html

Please note that you are not allowed to create a new cell in the Notebook. You are also note allowed to modify the code given in the Notebook. You will be penalized if you do so.

Please note that if you do not submit a proper PDF file, with images and correct format, you will also be penalized.

Instructions

Download the Jupyter Notebook from the task resources and complete all the tasks.