SIT799 Human Aligned Artificial Intelligence

High Distinction Task 3.3: AI Fairness

Overview

During week 3, we delved into the critical topic of fairness in AI. We explored the concept of bias, discrimination, and fairness in AI systems, examining real-world examples and identifying the potential causes that contribute to the learning of harmful stereotypes by AI algorithms. Additionally, we explored various solutions aimed at combating bias and discrimination in AI and to promote fairness.

To deepen our understanding of these issues, we will now turn our attention to a specific use case related to income classification. By examining this use case, we will gain further insights into the complexities and challenges surrounding fairness in AI and the importance of addressing bias and discrimination in algorithmic decision-making processes.

To complete this assignment, you need to refer back to Week 3 lecture material.

Requirements

It is required to use Python 3.11. Please install the packages provided in the **requriments.txt** file as follows:

```
> virtualenv python3.11_task_3.3HD
> source python3.11_task_3.3HD/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

Instructions

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