

- [Overview](#)
- [Set up your environment](#)
- [Architecture](#)

Introduction

This repository contains the source code for the ift6758 course.

Set up your environment

Follow the below steps to set up your virtual environment:

1. Make sure that you have installed on your local machine:

```
pip install virtualenv
```

2. Create a virtual environment:

```
virtualenv venv
```

3. Activate the virtual environment:

- On Windows:

```
venv/Scripts/activate
```

- On Mac/Linux

```
source venv/bin/activate
```

4. Install the project requirements on the virtual environment:

```
pip install -r requirements.txt
```

Assuming you have the Train/ test data as below in the root of the project:

- data/Public_Test
 - Image
 - oxford.csv
 - Profile
 - Profile.csv
 - Relation
 - Relation.csv
 - Text
 - liwc.csv

- nrc.csv
- data/Train
 - Image
 - oxford.csv
 - Profile
 - Profile.csv
 - Relation
 - Relation.csv
 - Text
 - liwc.csv
 - nrc.csv

Follow below steps to generate the models and predict the test data

- Navigate to source directory: `cd src`
- generate model: `python model_generator.py`
- Now you have models generated, you can use test data to predict and generate xml files (under data/results)
- predict: `python resultgenerator.py`

Architecture

Below is the architecture of the system.

