**Note: Unfortunately I did not find any Italian dataset for this model,so I used Google Tranlsation API to translate English dataset into Italian.**

**Required Modules:**

You have to install several python modules to run these files such as pytorch,tensorflow,etc.

If you encounter any message such as **module not found** ,run following commands in terminal to install it.

**pip install modulename (windows)**

**pip3 install modulename(linux)**

**Training the model:**

For training the model run **textclassification.py**  for changing the metrics currently the model accuracy is 88%.

**Prediction of input String:**

For predicting your input run **predict.py** and give your input string.

**Increasing the dataset:**

There are four classes in this dataset.

1: "mondo",

2: "Gli sport",  
 3: "Attività commerciale"  
 4: "Scientifica/Tecnologia"

You can insert any record in that lies in the category of any aforementioned class.