

```

# Setup of Environment for Misloven Experiment

## Setup

### Create Environment
```
conda create -n misloven python=3.9
conda activate misloven
```

### Install PyTorch
```
pip install torch torchvision torchaudio
```

### Install Required libraries
```
pip install -r requirements.txt
```

## Run the Code for Fake Text Detection

* For deepfake detection, we use the model ``bert-deepfake-bg``
(https://huggingface.co/usmiva/bert-deepfake-bg)

* For disinformation detection, we use the model
``bert-desinform-bg``
(https://huggingface.co/usmiva/bert-desinform-bg)

#### Execute the code with Jupyter

* In the terminal, navigate to the project directory and execute
the command:
```
jupyter notebook
```

* In the browser, open the notebook `predict_and_visualize.ipynb`

#### Setup

You can edit the values of the following variables:
```
Plots
PLOT_FONT_SIZE = 30
PLOT_FONT_SIZE_COLORBAR = 20
PLOT_SHOW_TITLE = False
See here for more colormaps:
https://matplotlib.org/stable/users/explain/colors/colormaps.html
PLOT_COLORMAP = "viridis"

Files
INPUT_FILE = "headlines.txt"
OUTPUT_FILE = "headlines_out.tsv"
PLOTS_SAVE_FOLDER = "out_plots"
```

```