

## Usage Manual for ALBERT Bug Report Classifier

To run the tool for classifying performance-related bug reports:

1. Make sure all dependencies listed in requirements.pdf are installed.
2. Place the CSV dataset file (e.g., incubator-mxnet.csv) in the correct path.
3. Run the classification script using the command:

```
python albert_classifier.py
```

The script will:

- Preprocess the bug report title and body fields
- Tokenize and vectorize the input using ALBERT tokenizer
- Train an ALBERT-based binary classifier for 40 epochs
- Output performance metrics (Accuracy, Precision, Recall, F1, AUC)

Expected CSV format:

- Columns: Title, Body, class
- Labels: class column must be 0 (non-performance bug) or 1 (performance bug)