

# Installation and Usage Instructions

This document contains information on how to install packages and datasets.

---

## Installation

### Python

For our experiments, we used Python 3.7. Python 3.6 is possible as well. Furthermore, we require the following Python packages:

```
pip install sklearn
pip install numpy
pip install pandas
pip install matplotlib
pip install "tensorflow >= 1.13.1, < 2"
```

### AIF360

We are using the AI Fairness 360 toolkit for bias mitigation methods and to compute fairness metrics. More information on AIF360 can be found here:

<https://github.com/Trusted-AI/AIF360>

### Download AIF360

AIF360 can be installed as follows:

```
pip install aif360
```

### Download datasets

We use four datasets for our experiments, which can be retrieved online:

1. Adult: <https://archive.ics.uci.edu/ml/datasets/adult>
2. COMPAS: <https://github.com/propublica/compas-analysis>
3. German: <https://archive.ics.uci.edu/ml/datasets/Statlog+%28German+Credit+Data%29>
4. MEPS19: <https://meps.ahrq.gov/mepsweb/>

For more information on the download of datasets, we refer to:

<https://github.com/Trusted-AI/AIF360/tree/master/aif360/data>.