

Requirements for Running the Code

Introduction:

This document outlines the software dependencies required to run the code.

Dependencies:

1. Python:

Version: 3.x (Recommended version: 3.7 or higher)

Installation: Install Python from <https://www.python.org/downloads/>

2. Libraries: The following Python libraries are required to run the code. You can install them using pip:

pandas: pip install pandas

numpy: pip install numpy

scikit-learn: pip install scikit-learn

re: Built-in library, no installation required

matplotlib (Optional for visualization): pip install matplotlib

seaborn (Optional for better visualizations): pip install seaborn

3. Operating System:

Any operating system with Python support (Windows, macOS, or Linux). I use linux.

Additional Requirements:

Version Compatibility:

- pandas \geq 1.0.0
- numpy \geq 1.18.0
- scikit-learn \geq 0.24.0

Installation Guide:

1. Install Python from the official website.
2. Set up a virtual environment (optional but recommended): ubuntu 20.0