Solar Events Prediction

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1.1 Steps to reproduce:

1. Install Python 3.4 or above by following the below link: -
   https://realpython.com/installing-python/
2. To check whether python is installed, open command prompt and type $python. Details of python interpreter will open with python version details.
3. For Mac user install Homebrew, to simplify the installation of softwares using the following link: -
   https://brew.sh
   Execute "xcode-select –install"
4. A package management system pip is required for installing software packages written in Python. Check if Pip is installed using the command: -
   $$pip --version$$

   If pip is installed and working, you will see a version number. If you dont see a version number then download pip from $https://bootstrap.pypa.io/get-pip.py$ and execute the following command: -
   $python get-pip.py
5. Create a virtual environment: -
   $python3 -m venv $\langle Virtual\_environment\_name \rangle$
   Activate the virtual environment: -
   On Windows,
   $$\langle Virtual\_environment\_name \rangle$$ \Scripts\activate.bat
   On Linux/Mac,
   $source $\langle Virtual\_environment\_name \rangle$ /bin/activate
6. Install Git
   For Windows: Go to https://git-scm.com/download/win and download the latest git version. Run the git executable file and follow the wizard to install Git. To check whether git is installed, type $git –version. This should tell the git version that has been installed.
7. Clone the repository https://github.com/jagadeeshmn/SDO-eventprediction.git by the following command $git clone https://github.com/jagadeeshmn/SDO-eventprediction.git
8. Install the packages required for the project: -
   $pip install -r requirements.txt
9. Open terminal/Command prompt, initialize Jupyter notebook using "jupyter notebook".
10. Click on SolarPrediction.ipynb and execute the cells.