Readme

**Crypto Forecast(Bitcoin)**

These days advancement of technology made possible to solve big calculations in small time, which make currencies like BITcoin, DOGOcoin,etc. possible.

**Description**

We used a vast training data for training model with tensorflow, keras.and used 80% of data as training data and rest 20% as prediction or verification data. We analysed the steps graphically to monitor what’s going beneath the code. We tried to make our model as good or accurate as we could, and in the end the results were as expected.

**Getting Started**

**Dependencies**

We have used

Tensorflow

Keras

Seaborn

Scikit-learn

Pandas

Numpy

Matplotlib

**Installing**

To install above libraries we have to use the following codes in terminal -

Keras - $pip install keras –-user

Tensorflow - $pip install tensorflow -–user

Seaborn - $pip install seaborn –user

Numpy - $pip install numpy --user

Matplotlib - $pip install matplotlib --user

Scikit- Learn - $pip install scikit-learn --user

Pandas - $pip install pandas --user

**Executing program**

* We installed Jupiter-notebook from <https://jupyter.org/>
* Use dataset from <https://github.com/manishsaini6421/Crypto-Forensic-Bitcoin-/blob/main/Data.csv>
* In Jupiter-notebook open codebase file
* Run the code step by step
* Observe the graph after training model
* Wait for expected result.

**Help**

<https://scikit-learn.org/stable/getting_started.html>

<https://www.tensorflow.org/guide>

<https://pandas.pydata.org/>

<https://matplotlib.org/stable/tutorials/introductory/usage.html#sphx-glr-tutorials-introductory-usage-py>

<https://seaborn.pydata.org/tutorial.html>

<https://numpy.org/install/>

<https://keras.io/getting_started/>

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**Version History**

* 0.1
  + Initial Release

**License**

Apache License 2.0

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Inspiration, code snippets, etc.

S. Nakamoto, “Bitcoin: A peer-to-peer electronic cash system,” 2008.

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* D. K. Wind, “Concepts in predictive machine learning,” in Maters Thesis, 2014.