

Statistical Analysis on Dogecoin Data

Objective

To perform various statistical methods on a dataset and interpret results from them.

Data Explaining

This dataset provides the daily price of dogecoin starting from 17/09/2014 to 21/09/2021. This dataset has 7 rows and each explains the following:-

1. Date
2. Open - Price from the first transaction of a trading day
3. High - Maximum price in a trading day
4. Low - Minimum price in a trading day
5. Close - Price from the last transaction of a trading day
6. Adj Close - Closing price adjusted to reflect the value after accounting for any corporate actions
7. Volume - Number of units traded in a day

Application of concepts

- [Code](#)
- [Dataset](#)

Conclusion

With this project, I was able to perform the practical implementation of computational statistics in python while discovering new statistical concepts along the way.

Reference

- <https://www.kaggle.com/aniketkumar01/dogecoin>
- <https://www.datacamp.com/community/tutorials/introduction-factor-analysis>
- <https://www.datacamp.com/community/tutorials/principal-component-analysis-in-python>
- <https://www.youtube.com/watch?v=v7oLMvcxgFY>
- <https://scikit-learn.org/stable/modules/generated/sklearn.preprocessing.StandardScaler.html>
- <https://www.studytonight.com/post/what-is-mean-squared-error-mean-absolute-error-root-mean-squared-error-and-r-squared>
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