



CASE FILE #0001

PROFITABLE Bitcoin Trade Strategy Using Machine Learning.

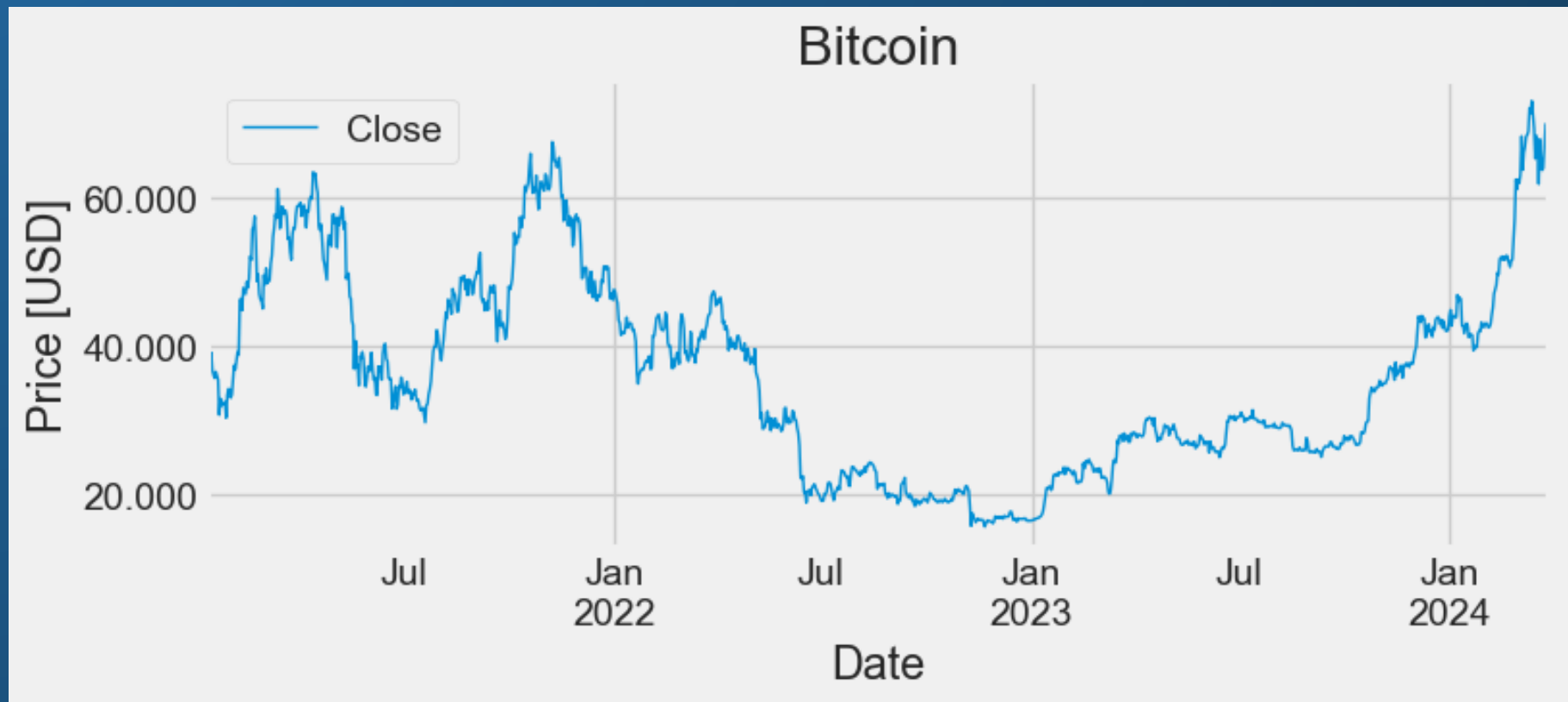


NEXTGEN
PREDICTIONS

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Overview and first considerations



Data history from January 2021 until March 2024. Timescale in days.

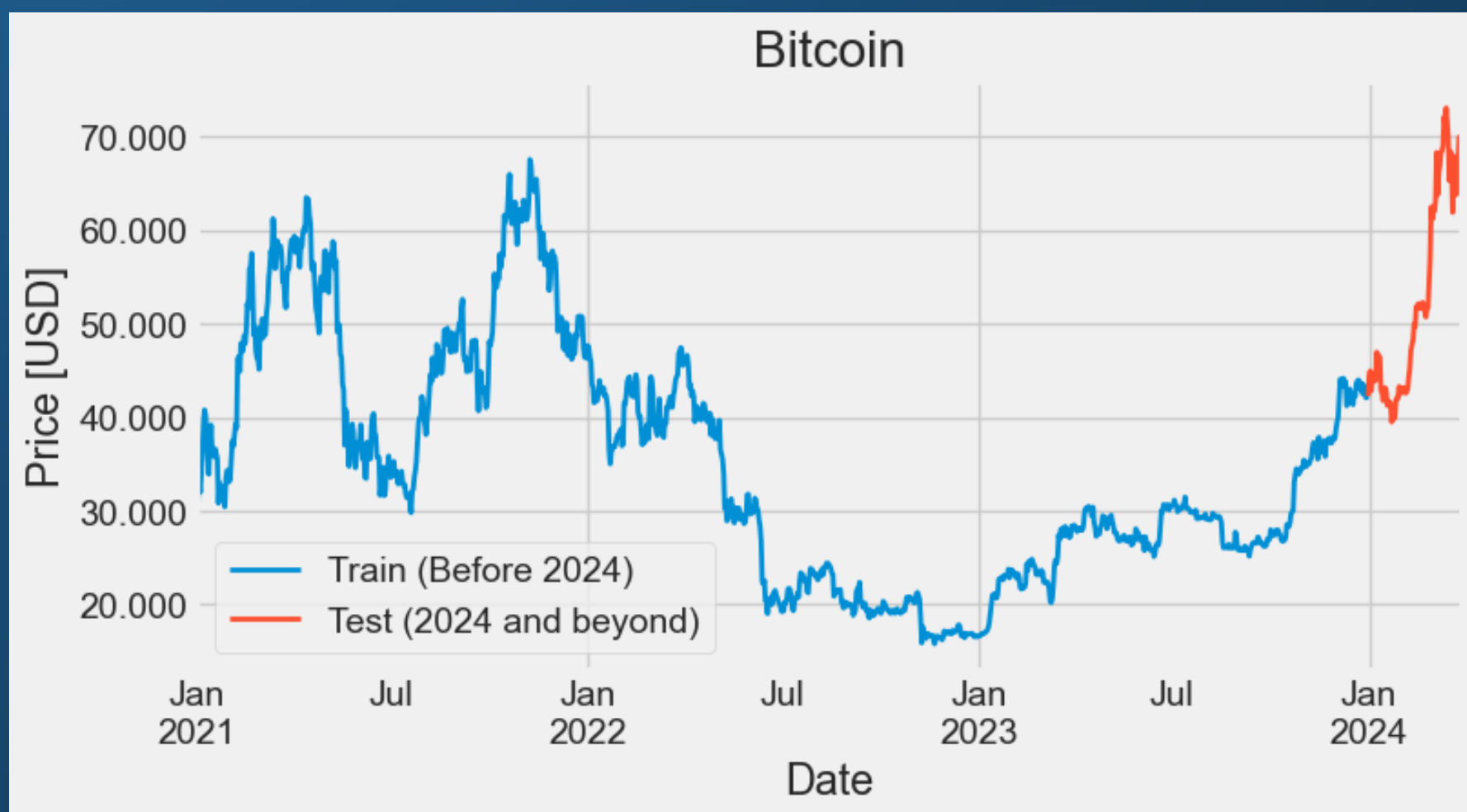


No patterns of behavior in the price. Exact price prediction is not an option.



Model

- 📈 Prediction of the price **direction**.
- ! 10 predictors to guide the model.
- ✅ Train Data from January 1st 2021 until December 31st 2023.





Model

The model trains on the binary action price direction on the **closing value** of the next day.

-  1 price goes upwards.
-  0 price goes downwards.





Results

Sample of the predictions results (January 2024)



60,6%

**Prediction accuracy of the whole test dataset
(January 1st 2024 until March 31st 2024)**

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Trading strategy

-  Long Trades when predictions indicate 1.
-  Short Trades when predictions indicate 0.

BACKTEST OF STRATEGY

Initial portfolio.	10,000[USD]	
Only Long Trades	17,164.7[USD]	172%
Short and Long Trades	18,556.2[USD]	185%

Values applied for the period of test dataset
(January 1st 2024 until March 31st 2024)



Conclusion

Bitcoin has been increasing its value constantly for the past 3 months, despite that the prediction in the price direction takes advantage with decreasing market value days making **13% MORE** in profits.

Close control of the trading strategy will be applied by the NextGen Prediction's team in order to test performance during the following months.