

Analysis Scheme

Overview of stock market by different sectors in Power BI: Health care sector; Technology sector; Food sector.

After overview made in Power BI, each company was further analyzed in Python

In Python two types of analysis were made: (1) Technical stock price analysis; and (2) Future stock price forecasting.

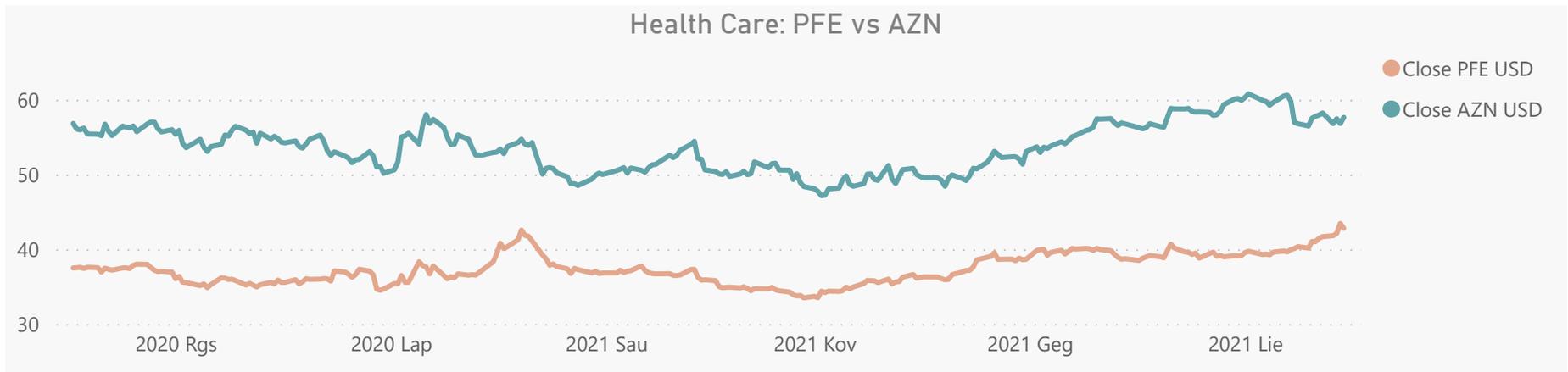
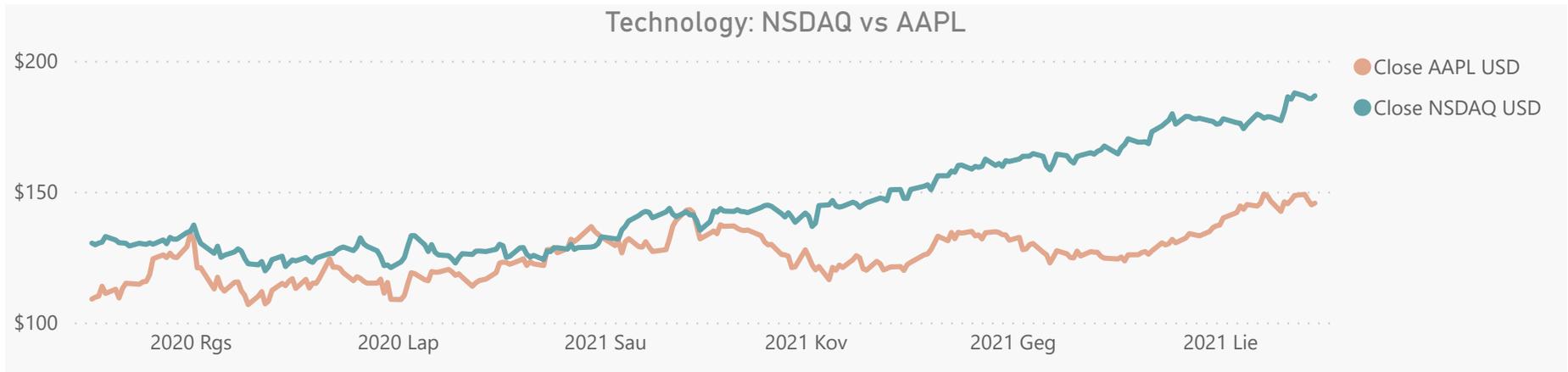
1. Exponentially Weighted Moving Average (EMA) used for technical stock price analysis to identify buy/sell signals.

2. ARIMA model was built to predict selected stock future prices.

Result interpretation and common conclusions. Limitations and suggestions for further analysis and improvements.

Stock Price Overview

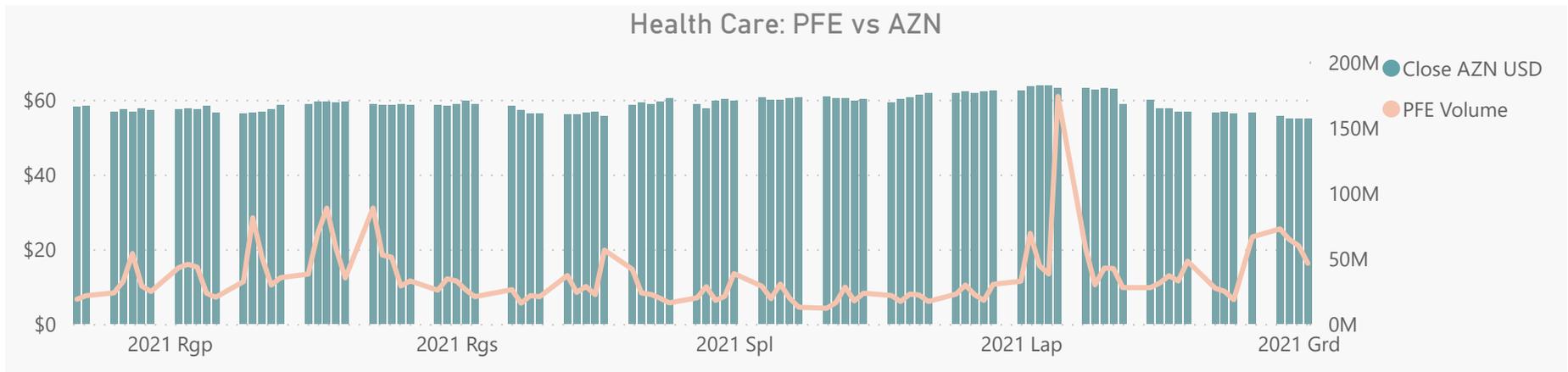
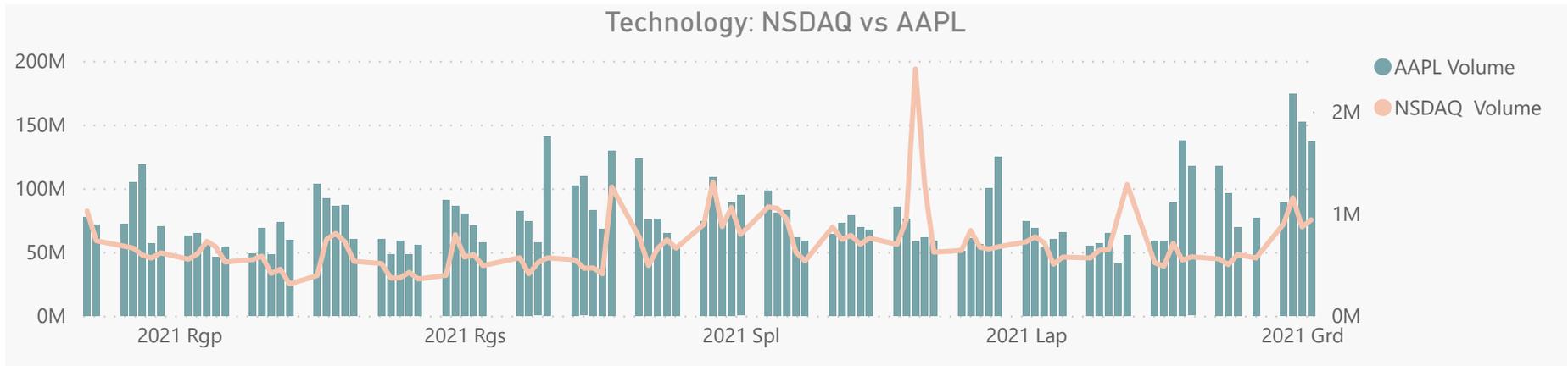
2020.08.03 2021.07.29



Analysis Scheme

Stock Volumes

2021.07.22 2021.12.31



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