In order to use mlpfinance date needs to be a date time format
added df.index = pd.to_datetime(df.index) to data saving and parse_dates = True to load

I got more information on candle stick charts from the mlpfinance github
https://github.com/matplotlib/mplfinance

and more information on boxplots from
https://matplotlib.org/stable/api/_as_gen/matplotlib.pyplot.boxplot.html

the main challenge was figuring out how to put the data in the right format and finding
documentation for making the charts.