

Stock_Candlestick_Chart

September 29, 2021

1 Stock Interactive Candlestick Chart

```
[1]: # Library
import pandas as pd
import numpy as np
import plotly
import plotly.graph_objs as go

import warnings
warnings.filterwarnings("ignore")

from pandas_datareader import data as pdr
import yfinance as yf
yf.pdr_override()
```

```
[9]: plotly.__version__
```

```
[9]: '4.11.0'
```

```
[2]: start = '2016-01-01' #input
end = '2020-07-01' #input
symbol = 'AMD'
```

```
[3]: df = yf.download("AMD", start, end)
```

```
[*****100%*****] 1 of 1 completed
```

```
[4]: df.head()
```

```
[4]:
```

	Adj Close	Close	High	Low	Open	Volume
Date						
2016-01-04	2.77	2.77	2.82	2.63	2.77	32516800
2016-01-05	2.75	2.75	2.80	2.64	2.77	12972300
2016-01-06	2.51	2.51	2.71	2.47	2.66	23759400
2016-01-07	2.28	2.28	2.48	2.26	2.43	22203500
2016-01-08	2.14	2.14	2.42	2.10	2.36	31822400

```
[5]: df.tail()
```

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[5]:
```

	Adj Close	Close	High	Low	Open	Volume
Date						
2020-06-24	52.389999	52.389999	54.740002	51.919998	53.939999	53535500
2020-06-25	51.930000	51.930000	52.700001	50.540001	52.560001	51129600
2020-06-26	50.099998	50.099998	51.950001	49.450001	51.849998	65485700
2020-06-29	50.279999	50.279999	50.279999	48.419998	50.150002	49905800
2020-06-30	52.610001	52.610001	52.770000	50.820000	51.160000	42275700

```
[6]: fig = go.Figure(data=[go.Candlestick(x=df.index,
                                         open=df['Open'],
                                         high=df['High'],
                                         low=df['Low'],
                                         close=df['Close'])])
```

```
[7]: fig.show()
```

```
[10]: fig = go.Figure(data=[go.Candlestick(x=df.index,
                                         open=df['Open'],
                                         high=df['High'],
                                         low=df['Low'],
                                         close=df['Close'],
                                         increasing_line_color='red',
                                         decreasing_line_color = 'blue'
                                         )])
fig.show()
```