

Tesla Stock and Revenue Dashboard

May 23, 2025

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[2]: !pip install yfinance
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Defaulting to user installation because normal site-packages is not writeable
Looking in links: /usr/share/pip-wheels
Requirement already satisfied: yfinance in ~/.local/lib/python3.10/site-packages
(0.2.61)
Requirement already satisfied: pandas>=1.3.0 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (2.1.4)
Requirement already satisfied: numpy>=1.16.5 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (1.26.4)
Requirement already satisfied: requests>=2.31 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (2.31.0)
Requirement already satisfied: multitasking>=0.0.7 in
~/.local/lib/python3.10/site-packages (from yfinance) (0.0.11)
Requirement already satisfied: platformdirs>=2.0.0 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (2.5.2)
Requirement already satisfied: pytz>=2022.5 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (2023.3.post1)
Requirement already satisfied: frozendict>=2.3.4 in
~/.local/lib/python3.10/site-packages (from yfinance) (2.4.6)
Requirement already satisfied: peewee>=3.16.2 in ~/.local/lib/python3.10/site-
packages (from yfinance) (3.18.1)
Requirement already satisfied: beautifulsoup4>=4.11.1 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (4.12.2)
Requirement already satisfied: curl_cffi>=0.7 in ~/.local/lib/python3.10/site-
packages (from yfinance) (0.11.1)
Requirement already satisfied: protobuf>=3.19.0 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
yfinance) (3.20.3)
Requirement already satisfied: websockets>=13.0 in ~/.local/lib/python3.10/site-
packages (from yfinance) (15.0.1)
Requirement already satisfied: soupsieve>1.2 in
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/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
beautifulsoup4>=4.11.1->yfinance) (2.5)
Requirement already satisfied: cffi>=1.12.0 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
curl_cffi>=0.7->yfinance) (1.16.0)
Requirement already satisfied: certifi>=2024.2.2 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
curl_cffi>=0.7->yfinance) (2024.2.2)
Requirement already satisfied: python-dateutil>=2.8.2 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
pandas>=1.3.0->yfinance) (2.8.2)
Requirement already satisfied: tzdata>=2022.1 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
pandas>=1.3.0->yfinance) (2023.3)
Requirement already satisfied: charset-normalizer<4,>=2 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
requests>=2.31->yfinance) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
requests>=2.31->yfinance) (3.4)
Requirement already satisfied: urllib3<3,>=1.21.1 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
requests>=2.31->yfinance) (2.0.7)
Requirement already satisfied: pycparser in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
cffi>=1.12.0->curl_cffi>=0.7->yfinance) (2.21)
Requirement already satisfied: six>=1.5 in
/opt/conda/envs/anaconda-2024.02-py310/lib/python3.10/site-packages (from
python-dateutil>=2.8.2->pandas>=1.3.0->yfinance) (1.16.0)

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[3]: import yfinance as yf
import matplotlib.pyplot as plt

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```

[4]: tsla=yf.download(
    "TSLA",
    start='2000-01-01',end='2025-01-01'
)

```

YF.download() has changed argument auto_adjust default to True

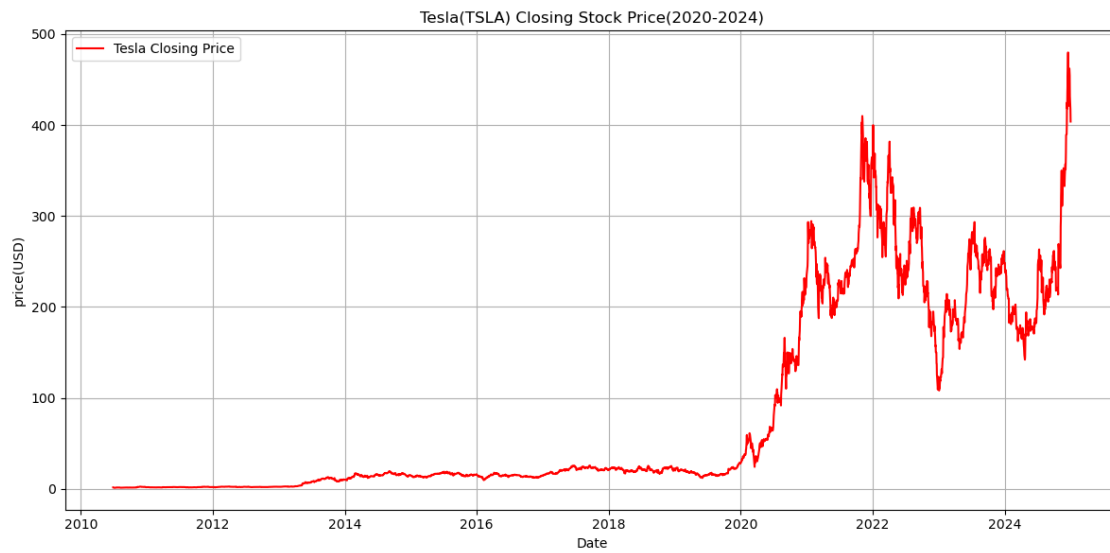
[*****100%*****] 1 of 1 completed

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[5]: plt.figure(figsize=(12,6))
plt.plot(tsla['Close'],label='Tesla Closing Price',color='red')
plt.title('Tesla(TSLA) Closing Stock Price(2020-2024)')
plt.xlabel('Date')
plt.ylabel('price(USD)')
plt.grid(True)

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plt.legend()  
plt.tight_layout()  
plt.show()
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