

```
import pandas as pd
TCS = pd.read_csv('TCSData.csv')
HDFC = pd.read_csv('HDFCData.csv')
```

TCS

	Unnamed: 0	Date	Symbol	Series	Prev Close	Open	High	Low	Last	CL
0	0	2004-08-25	TCS	EQ	850.00	1198.70	1198.70	979.00	985.00	985.00
1	1	2004-08-26	TCS	EQ	987.95	992.00	997.00	975.30	976.85	976.85
2	2	2004-08-27	TCS	EQ	979.00	982.40	982.40	958.55	961.20	961.20
3	3	2004-08-30	TCS	EQ	962.65	969.90	990.00	965.00	986.40	986.40
4	4	2004-08-31	TCS	EQ	986.75	986.50	990.00	976.00	987.80	987.80
...
4134	4134	2021-04-26	TCS	EQ	3109.50	3102.05	3153.00	3088.05	3100.05	3100.05
4135	4135	2021-04-27	TCS	EQ	3100.80	3106.00	3136.10	3103.00	3132.75	3132.75
4136	4136	2021-04-28	TCS	EQ	3132.00	3149.95	3151.00	3112.00	3123.00	3123.00
4137	4137	2021-04-29	TCS	EQ	3124.10	3145.60	3157.35	3105.50	3114.45	3114.45
4138	4138	2021-04-30	TCS	EQ	3115.25	3099.00	3132.05	3020.00	3040.00	3039.00

4139 rows × 17 columns

Next steps:

Generate code with TCS

 View recommended plots

HDFC

	Date	Symbol	Series	Prev Close	Open	High	Low	Last	Close	VWAP	Volume	
0	2000-01-03	HDFC	EQ	271.75	293.50	293.50	293.50	293.50	293.50	293.50	22744	6
1	2000-01-04	HDFC	EQ	293.50	317.00	317.00	297.00	304.00	304.05	303.62	255251	7
2	2000-01-05	HDFC	EQ	304.05	290.00	303.90	285.00	295.00	292.80	294.53	269087	7
3	2000-01-06	HDFC	EQ	292.80	301.00	314.00	295.00	296.00	296.45	300.14	305916	9
4	2000-01-07	HDFC	EQ	296.45	290.00	296.35	281.00	287.10	286.55	288.80	197039	5
...
5301	2021-04-26	HDFC	EQ	2497.35	2500.00	2534.10	2483.20	2502.00	2509.80	2508.07	3916088	9
5302	2021-04-27	HDFC	EQ	2509.80	2494.15	2526.80	2486.25	2514.00	2518.40	2509.18	2040799	5
5303	2021-04-28	HDFC	EQ	2518.40	2516.10	2609.00	2508.30	2575.00	2577.00	2574.21	3407461	8
5304	2021-04-29	HDFC	EQ	2577.00	2590.90	2628.00	2533.00	2539.70	2538.85	2569.65	3005468	7
5305	2021-04-30	HDFC	EQ	2538.85	2503.10	2525.00	2411.10	2433.25	2420.10	2445.94	6024595	1

5306 rows × 16 columns

Next steps:

[Generate code with HDFC](#)

 [View recommended plots](#)

```
TCS.drop(['Trades','Deliverable Volume','%Deliverble'], axis=1, inplace=True)
HDFC.drop(['Trades','Deliverable Volume','%Deliverble'], axis=1, inplace=True)
```

```
TCS.head()
```

	Unnamed: 0	Date	Symbol	Series	Prev Close	Open	High	Low	Last	Close	VWAP	Volume
0	0	2004-08-25	TCS	EQ	850.00	1198.7	1198.7	979.00	985.00	987.95	1008.32	17116372
1	1	2004-08-26	TCS	EQ	987.95	992.0	997.0	975.30	976.85	979.00	985.65	5055400
2	2	2004-08-27	TCS	EQ	979.00	982.4	982.4	958.55	961.20	962.65	969.94	3830750
3	3	2004-08-30	TCS	EQ	962.65	969.9	990.0	965.00	986.40	986.75	982.65	3058151
4	4	2004-08-31	TCS	EQ	986.75	986.5	990.0	976.00	987.80	988.10	982.18	2649332

Next steps:

[Generate code with TCS](#)

 [View recommended plots](#)

```
HDFC.head()
```

	Date	Symbol	Series	Prev Close	Open	High	Low	Last	Close	VWAP	Volume	
0	2000-01-03	HDFC	EQ	271.75	293.5	293.50	293.5	293.5	293.50	293.50	22744	6.
1	2000-01-04	HDFC	EQ	293.50	317.0	317.00	297.0	304.0	304.05	303.62	255251	7.
2	2000-01-05	HDFC	EQ	304.05	290.0	303.90	285.0	295.0	292.80	294.53	269087	7.
3	2000-01-06	HDFC	EQ	292.80	301.0	314.00	295.0	296.0	296.45	300.14	305916	9.
4	2000-01-07	HDFC	EQ	296.45	290.0	296.35	281.0	287.1	286.55	288.80	197039	5.

Next steps:

[Generate code with HDFC](#)
[View recommended plots](#)

```
combined_data = pd.concat([TCS, HDFC], axis=1)

avg_closing_tcs1 = combined_data['Close'].mean()
avg_closing_hdfc1 = combined_data['Close'].mean()

print(f"Average closing price of TCS: {avg_closing_tcs1}")
print(f"Average closing price of HDFC: {avg_closing_hdfc2}")

avg_volume_tcs = combined_data['Volume'].mean()
avg_volume_hdfc = combined_data['Volume'].mean()

print(f"Average volume of TCS: {avg_volume_tcs}")
print(f"Average volume of HDFC: {avg_volume_hdfc}")
```

```
Average closing price of TCS: Close    1694.371612
Close    1284.071005
dtype: float64
Average closing price of HDFC: Close    1694.371612
Close    1284.071005
dtype: float64
Average volume of TCS: Volume    1.676762e+06
Volume    1.848187e+06
dtype: float64
Average volume of HDFC: Volume    1.676762e+06
Volume    1.848187e+06
dtype: float64
```

```
import matplotlib.pyplot as plt
```

```
plt.figure(figsize=(12, 6))
plt.plot(combined_data.index, combined_data['Close'], label='TCS', color='blue')
plt.plot(combined_data.index, combined_data['Close'], label='HDFC', color='green')
plt.xlabel('Date')
plt.ylabel('Closing Price')
plt.title('Average Closing Prices of TCS and HDFC')
plt.legend()
plt.show()
```

```
plt.figure(figsize=(12, 6))
plt.plot(combined_data.index, combined_data['Volume'], label='TCS', color='blue')
plt.plot(combined_data.index, combined_data['Volume'], label='HDFC', color='green')
```

```
plt.xlabel('Date')
plt.ylabel('Volume')
plt.title('Average Volumes of TCS and HDFC')
plt.legend()
plt.show()
```

```
plt.figure(figsize=(12, 6))
plt.plot(combined_data.index, combined_data['Turnover'], label='TCS', color='blue')
plt.plot(combined_data.index, combined_data['Turnover'], label='HDFC', color='green')
plt.xlabel('Date')
plt.ylabel('Turnover')
plt.title('AverageTurnover of TCS and HDFC')
plt.legend()
plt.show()
```

