```
import pandas as pd

df = pd.read_csv('Top10VideoGameStocks.csv', parse_dates = ['Date'] )

df
```

	Date	Company	Ticker Symbol	Currency	Open	High	Low	Cl
0	2000-01-01	Sony Interactive Entertainment	SONY	JPY	28.525000	29.168751	20.850000	25.299
1	2000-02-01	Sony Interactive Entertainment	SONY	JPY	25.293751	31.475000	25.000000	31.350
2	2000-03-01	Sony Interactive Entertainment	SONY	JPY	30.100000	31.299999	21.700001	28.012
3	2000-04-01	Sony Interactive Entertainment	SONY	JPY	28.250000	28.250000	22.312500	22.562
4	2000-05-01	Sony Interactive Entertainment	SONY	JPY	22.700001	23.481251	17.750000	18.237
...	...	...	...	...	...	...	...	
2204	2024-06-01	Playtika	PLTK	USD	8.760000	9.070000	7.680000	7.870
2205	2024-07-01	Playtika	PLTK	USD	7.860000	8.100000	7.230000	7.630
2206	2024-08-01	Playtika	PLTK	USD	7.670000	8.055000	6.610000	7.570
2207	2024-09-01	Playtika	PLTK	USD	7.490000	8.355000	7.150000	7.920

Next steps: Generate code with df View recommended plots New interactive sheet

```
conversion_rates = {
    'USD': 84.72,
    'EUR': 89.45,
    'GBP': 108.09,
    'JPY': 0.56
}


columns = ['Open', 'High', 'Low', 'Close']
for column in columns:
    df[column] = df.apply(
        lambda row: row[column] * conversion_rates[row['Currency']] if row['Cur
        axis=1
    )


df = df.drop(columns=['Currency', 'Adj Close'], errors='ignore')


df
```

	Date	Company	Ticker Symbol	Open	High	Low	Close	
0	2000-01-01	Sony Interactive Entertainment	SONY	15.974000	16.334500	11.676000	14.168000	14
1	2000-02-01	Sony Interactive Entertainment	SONY	14.164500	17.626000	14.000000	17.556000	(
2	2000-03-01	Sony Interactive Entertainment	SONY	16.856000	17.528000	12.152000	15.687000	1
3	2000-04-01	Sony Interactive Entertainment	SONY	15.820000	15.820000	12.495000	12.635000	7
4	2000-05-01	Sony Interactive Entertainment	SONY	12.712000	13.149500	9.940000	10.213000	(
...	...	...	...	...	...	...	...	

Next steps: Generate code with df View recommended plots New interactive sheet

```
group = df.groupby('Company')
```

```
final =  group.agg(['max', 'min'])
```

```
final
```

	Date		Ticker Symbol		Open		High
	max	min	max	min	max	min	max
Company							
Electronic Arts	2024-10-01	2000-01-01	EA	EA	12852.023741	974.280000	13005.36
Embracer Group	2024-10-01	2016-12-01	EMBRAC-B.ST	EMBRAC-B.ST	130.500000	5.033333	134.69
Microsoft Gaming	2024-10-01	2000-01-01	MSFT	MSFT	38010.475510	1352.131203	39678.61
NetEase Games	2024-10-01	2000-07-01	NTES	NTES	10063.041497	2.711040	11380.43
Nintendo	2024-10-01	2000-01-01	NTDOY	NTDOY	1352.131203	152.495996	1398.72
Playtika	2024-10-01	2021-02-01	PLTK	PLTK	2556.002406	598.123195	2972.82
Roblox Corporation	2024-10-01	2021-04-01	RBLX	RBLX	10856.020748	2424.686471	11996.35
Sony Interactive Entertainment	2024-10-01	2000-01-01	SONY	SONY	16.856000	1.088640	17.62
Take-Two Interactive	2024-10-01	2000-01-01	TTWO	TTWO	17678.522245	400.443222	18207.17
Tencent Interactive Entertainment	2024-10-01	2004-07-01	0700.HK	0700.HK	643.455811	0.677564	714.89

Next steps: Generate code with `final` View recommended plots New interactive sheet

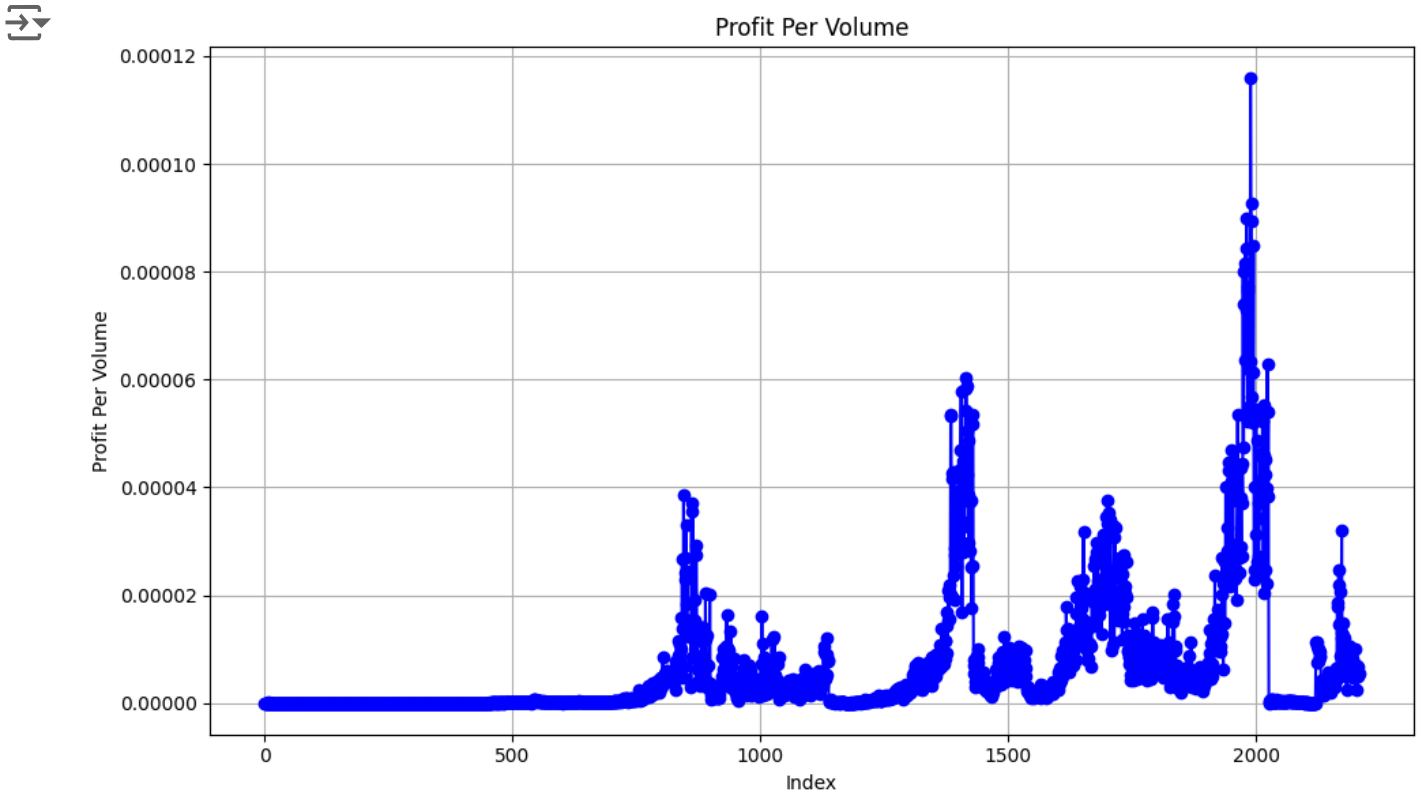
```
import matplotlib.pyplot as plt
df['Profit'] = df['High'] - df['Low']
df['Profit_per_volume'] = df['Profit'] / df['Volume']
```

```
df
```

	Date	Company	Ticker Symbol	Open	High	Low	Close	
0	2000-01-01	Sony Interactive Entertainment	SONY	15.974000	16.334500	11.676000	14.168000	14
1	2000-02-01	Sony Interactive Entertainment	SONY	14.164500	17.626000	14.000000	17.556000	6
2	2000-03-01	Sony Interactive Entertainment	SONY	16.856000	17.528000	12.152000	15.687000	1
3	2000-04-01	Sony Interactive Entertainment	SONY	15.820000	15.820000	12.495000	12.635000	7
4	2000-05-01	Sony Interactive Entertainment	SONY	12.712000	13.149500	9.940000	10.213000	6
...	...	...	...	...	...	...	...	
2204	2024-06-01	Playtika	PLTK	742.147219	768.410374	650.649585	666.746390	
2205	2024-07-01	Playtika	PLTK	665.899211	686.232032	612.525602	646.413610	
2206	2024-08-01	Playtika	PLTK	649.802406	682.419626	559.999211	641.330415	
2207	2024-09-01	Playtika	PLTK	634.552781	707.835561	605.748008	670.982406	

Next steps: Generate code with `df` View recommended plots New interactive sheet

```
plt.figure(figsize=(10, 6))
plt.plot(df.index, df['Profit_per_volume'], marker='o', linestyle='-', color='bl
plt.title('Profit Per Volume')
plt.xlabel('Index')
plt.ylabel('Profit Per Volume')
plt.grid(True)
plt.tight_layout()
plt.show()
```



Start coding or generate with AI.