

```
In [66]: import yfinance as yf
import plotly as ply
import pandas as pd
import matplotlib.pyplot as plt
import plotly.express as px
print(ply.__version__, pd.__version__, sns.__version__, yf.__version__)
```

5.12.0 1.5.2 0.12.2 0.2.4

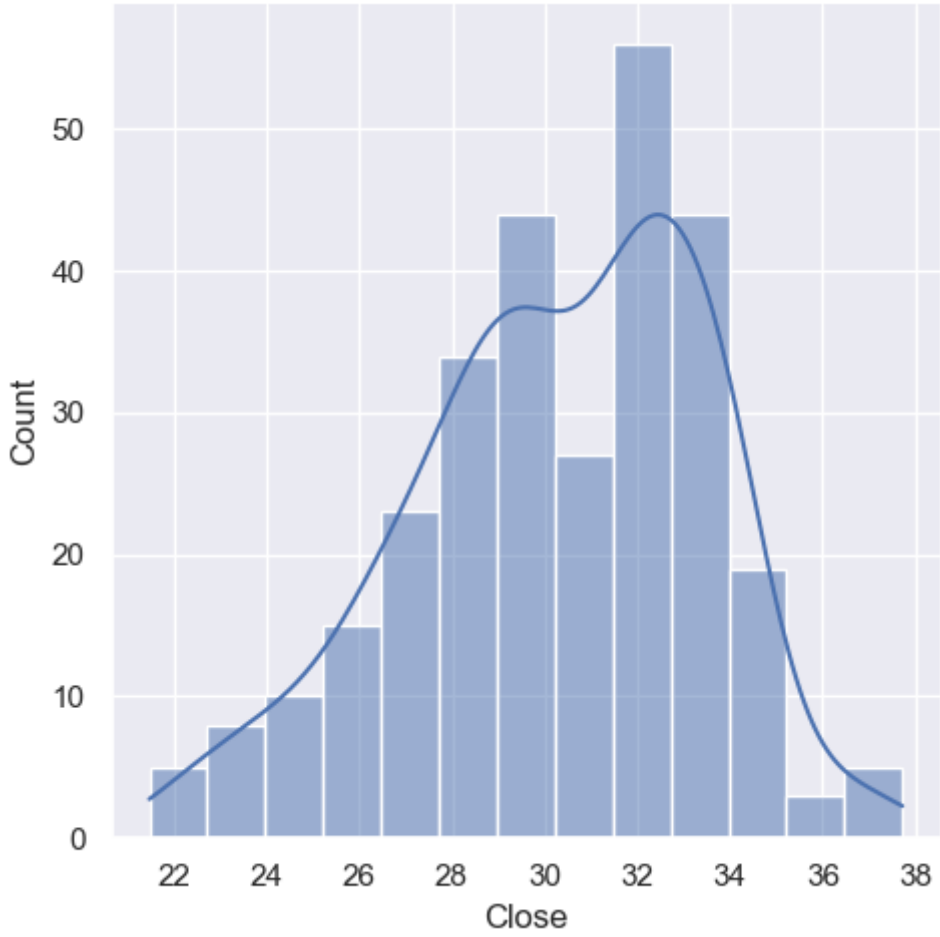
```
In [67]: df = yf.download('PETR4.SA', start='2021-11-01', end='2023-01-04', group_by="ticker")
display(df.head())
```

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

	Open	High	Low	Close	Adj Close	Volume
Date						
2021-11-01 00:00:00-03:00	27.709999	28.320000	27.370001	28.000000	14.566390	102157200
2021-11-03 00:00:00-03:00	27.709999	27.850000	26.799999	26.850000	13.968128	83475800
2021-11-04 00:00:00-03:00	27.020000	27.240000	25.850000	26.000000	13.525934	92603400
2021-11-05 00:00:00-03:00	26.290001	26.540001	25.780001	25.850000	13.447899	86264000
2021-11-08 00:00:00-03:00	25.809999	26.660000	25.719999	26.120001	13.588361	59704100

```
In [68]: sns.set_theme(style='darkgrid')
sns.displot(data = df['Close'].dropna(),kde=True)
```

Out[68]: <seaborn.axisgrid.FacetGrid at 0x2478be72c50>



```
In [69]: y = df['Close']
plt.figure(figsize=(20,7))
plt.plot(y)
plt.title('Fechamento de PETR4 2021-11-01 - 2023-01-04 ')
plt.ylabel('Fechamento R$')
plt.xlabel('Data')
plt.show()
```

