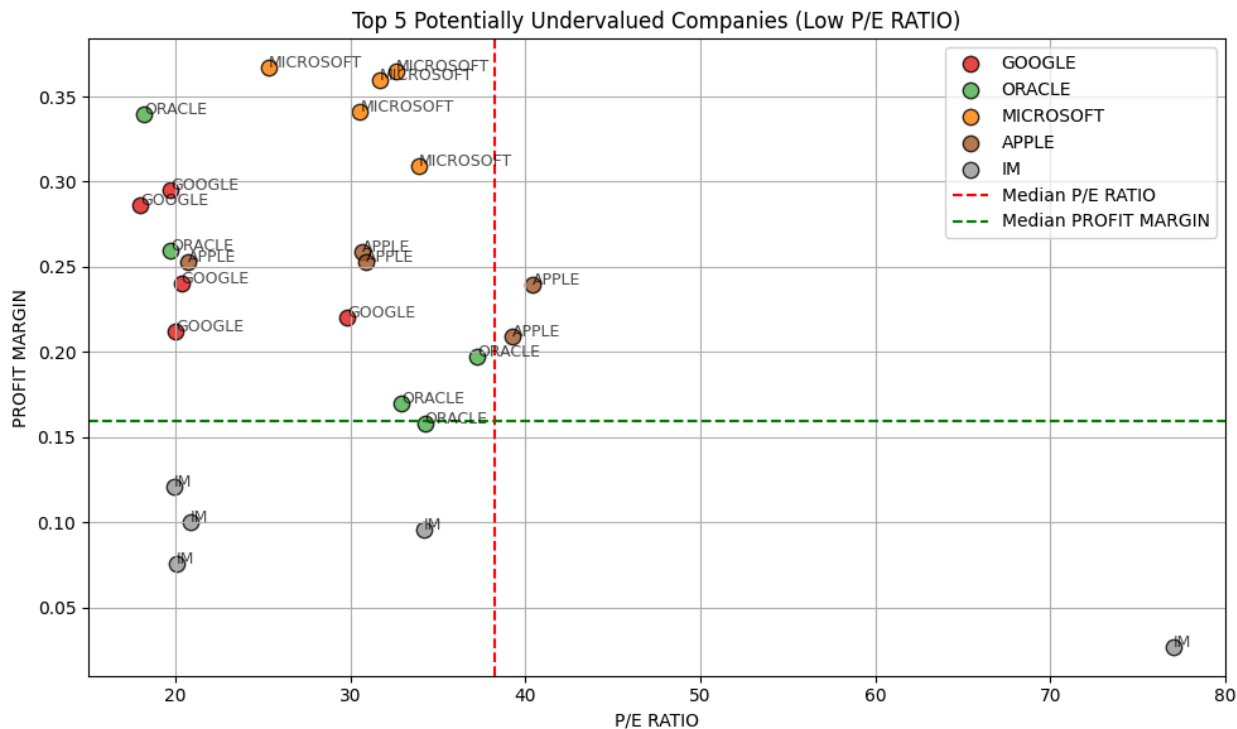


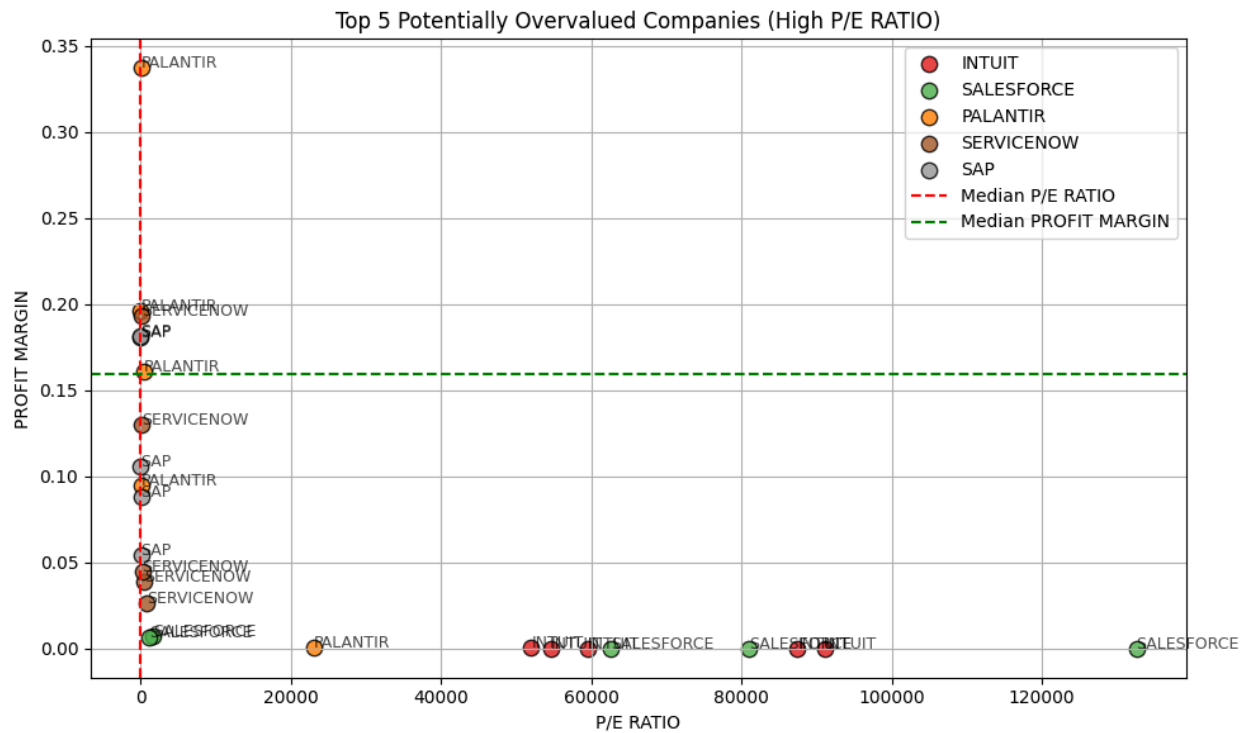
Investment Decision Analysis of the 10 Largest Enterprise Software Companies:

1. Price to Earnings Ratio



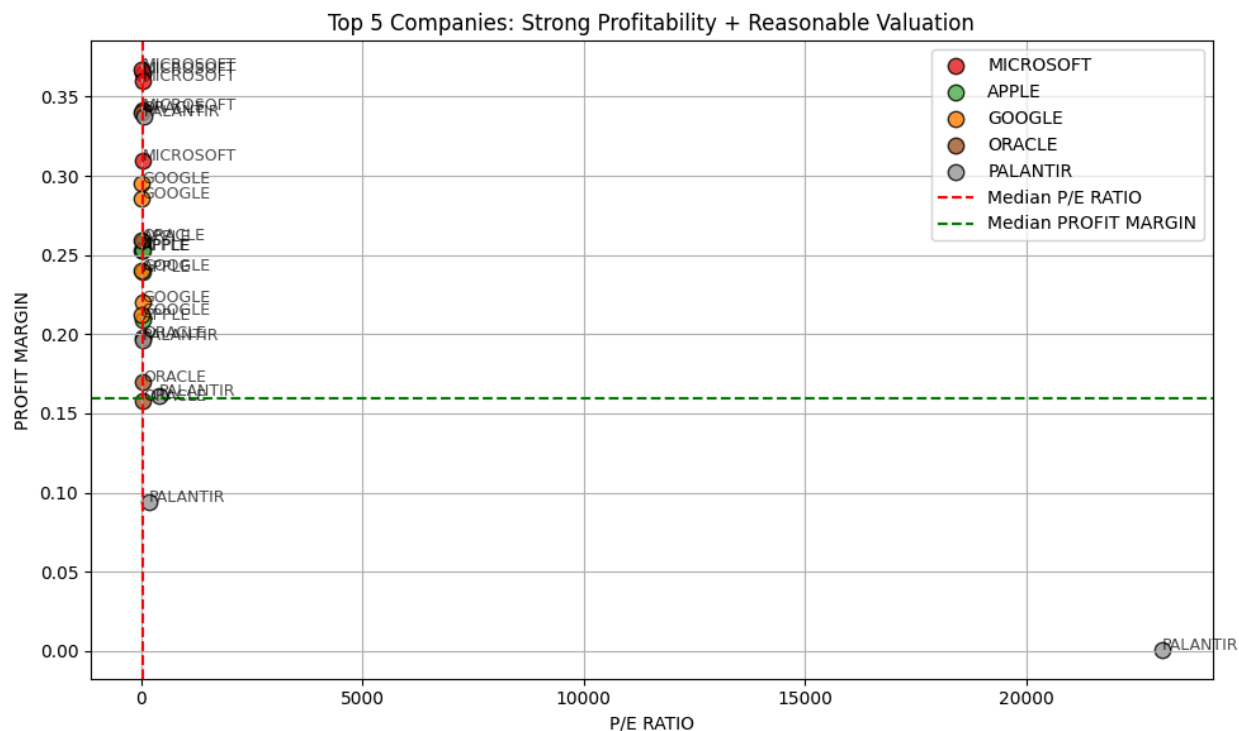
Top 5 Potentially Undervalued Companies (Low P/E RATIO):

COMPANY	P/E RATIO
GOOGLE	21.568515
ORACLE	28.470339
MICROSOFT	30.810416
APPLE	32.381725
IBM	34.417852



Top 5 Potentially Overvalued Companies (High P/E RATIO):

COMPANY	P/E RATIO
INTUIT	68968.000000
SALESFORCE	55795.072192
PALANTIR	4750.382015
SERVICENOW	388.566970
SAP	49.445960



Top 5 Companies with Strong Profitability and Reasonable Valuations

COMPANY	P/E RATIO	PROFIT MARGIN
MICROSOFT	30.810416	0.348406
APPLE	27.402801	0.254990
GOOGLE	21.568515	0.250774
ORACLE	27.027555	0.241714
PALANTIR	35.427807	0.196222

Data Interpretation & Suggestions:

Balance Profitability and Valuation - Focus on companies that maintain high profit margins while trading at reasonable P/E ratios. Suggested companies:

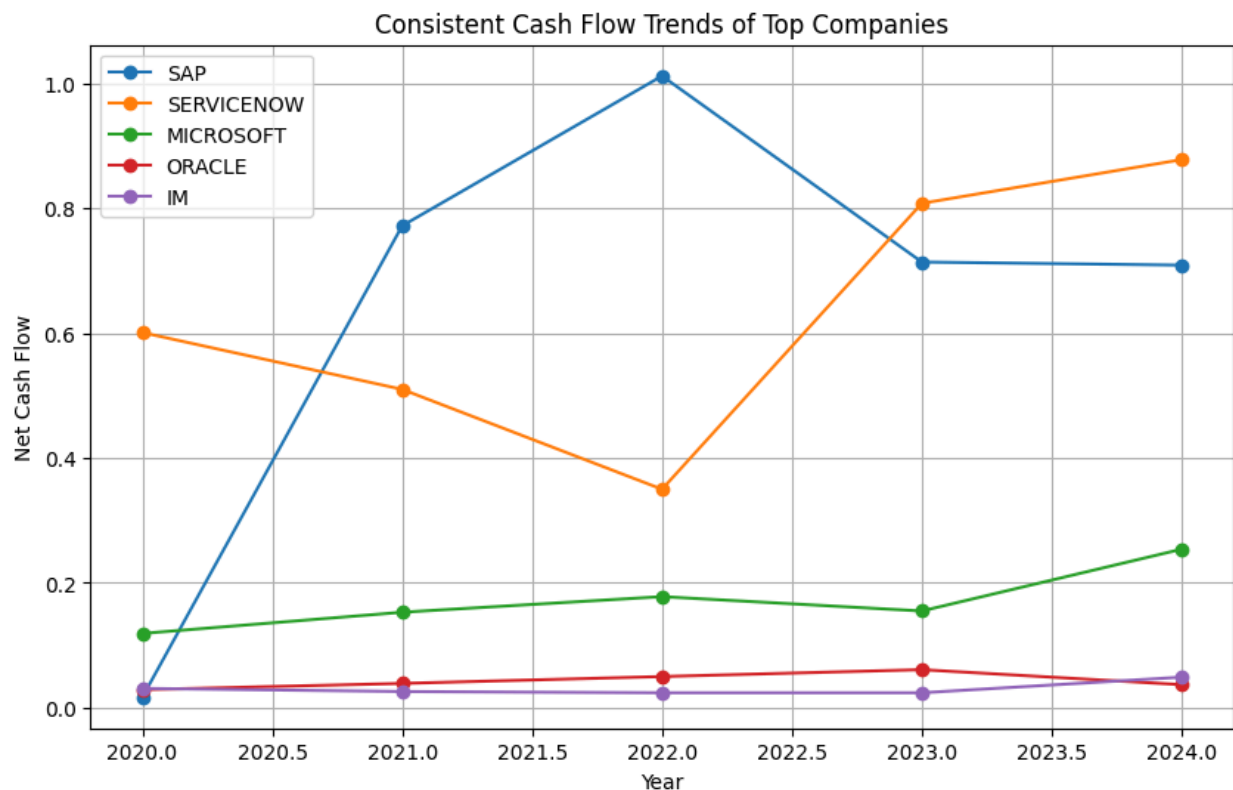
- MICROSOFT
- APPLE
- GOOGLE
- ORACLE

- PALANTIR

Prioritize Market Leaders - Invest in established companies with dominant market positions that can sustain competitive advantages long-term.

Monitor Profit Margin Trends - Track quarterly changes in profit margins to identify companies strengthening their operational efficiency and cost control.

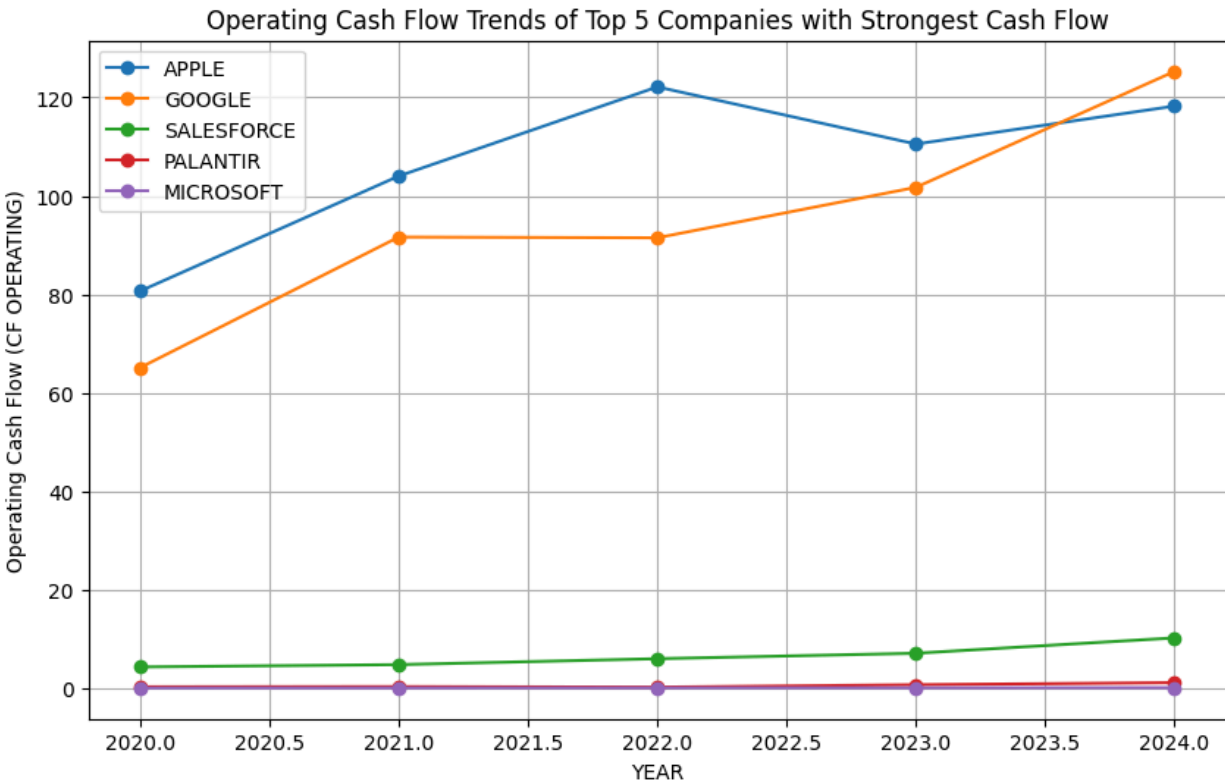
2. Cashflow



Top 5 Companies with Stable and Healthy Cash Flow:

COMPANY	CASH FLOW
SAP	0.6448
SERVICENOW	0.6294
MICROSOFT	0.1718
ORACLE	0.0432

IM	0.0308
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Top 5 COMPANIES with the Strongest Cash Flow from Main Business Activities:

COMPANY	CASH FLOW
APPLE	107.1320
GOOGLE	95.0640
SALESFORCE	6.4940
PALANTIR	0.5416
MICROSOFT	0.0868

Data Interpretation & Suggestions:

Analyze Cash Flow Stability - Prioritize companies with consistent and predictable cash flow patterns that can weather market volatility. Suggested companies:

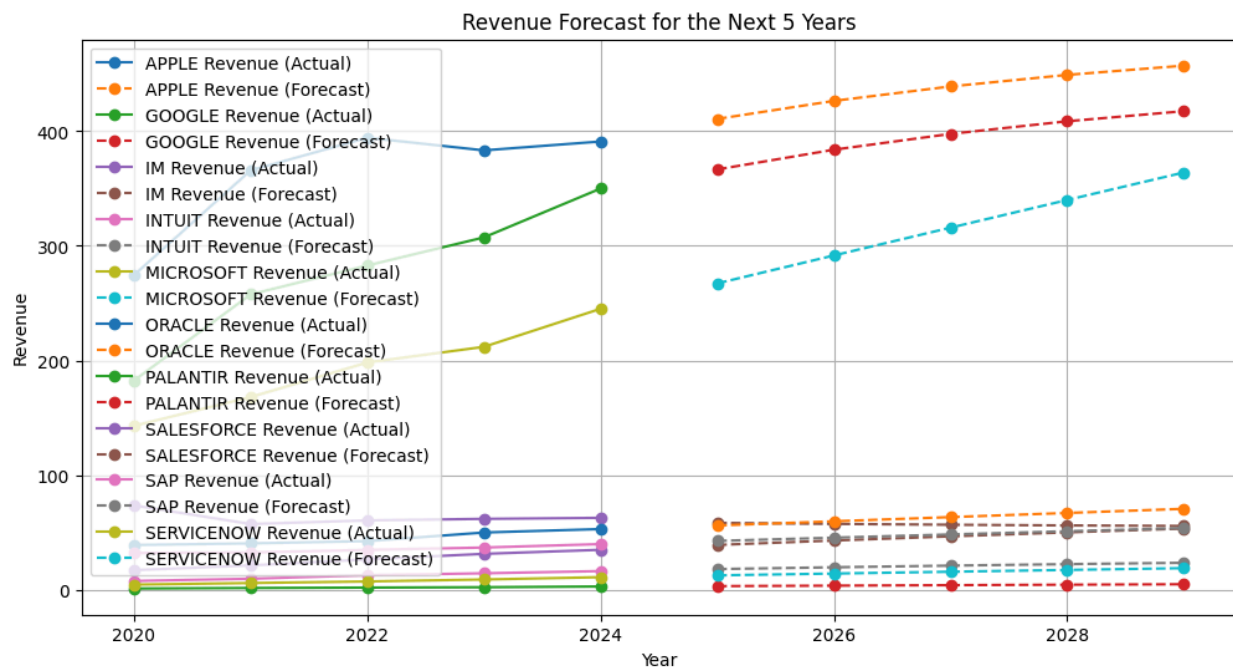
- SAP
- SERVICENOW
- MICROSOFT
- ORACLE
- IM

Evaluate Operational Cash Generation - Focus on businesses that efficiently convert revenue into operating cash flow. Top performers:

- APPLE
- GOOGLE
- SALESFORCE

Consider Cash Flow-to-Debt Ratios - Assess companies' ability to service debt obligations through their operational cash flow generation.

3. Revenue forecast for the next 5 years



Top 5 Companies with the Highest Revenue Growth Forecast:

COMPANY	Revenue Growth (%)	Net Income Growth (%)
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PALANTIR	52.943570	49.255533
SERVICENOW	51.939620	82.264113
INTUIT	46.903033	28.571429
SALESFORCE	45.737375	-28.268551
GOOGLE	39.308000	44.629610

Top 5 Companies with the Lowest Revenue Growth Forecast:

COMPANY	Revenue Growth (%)	Net Income Growth (%)
IM	-11.842717	17.250160
SAP	19.274299	-118.918919
APPLE	22.932444	27.010886
ORACLE	26.539788	-21.447558
MICROSOFT	37.063322	40.576032

Data Interpretation & Suggestions:

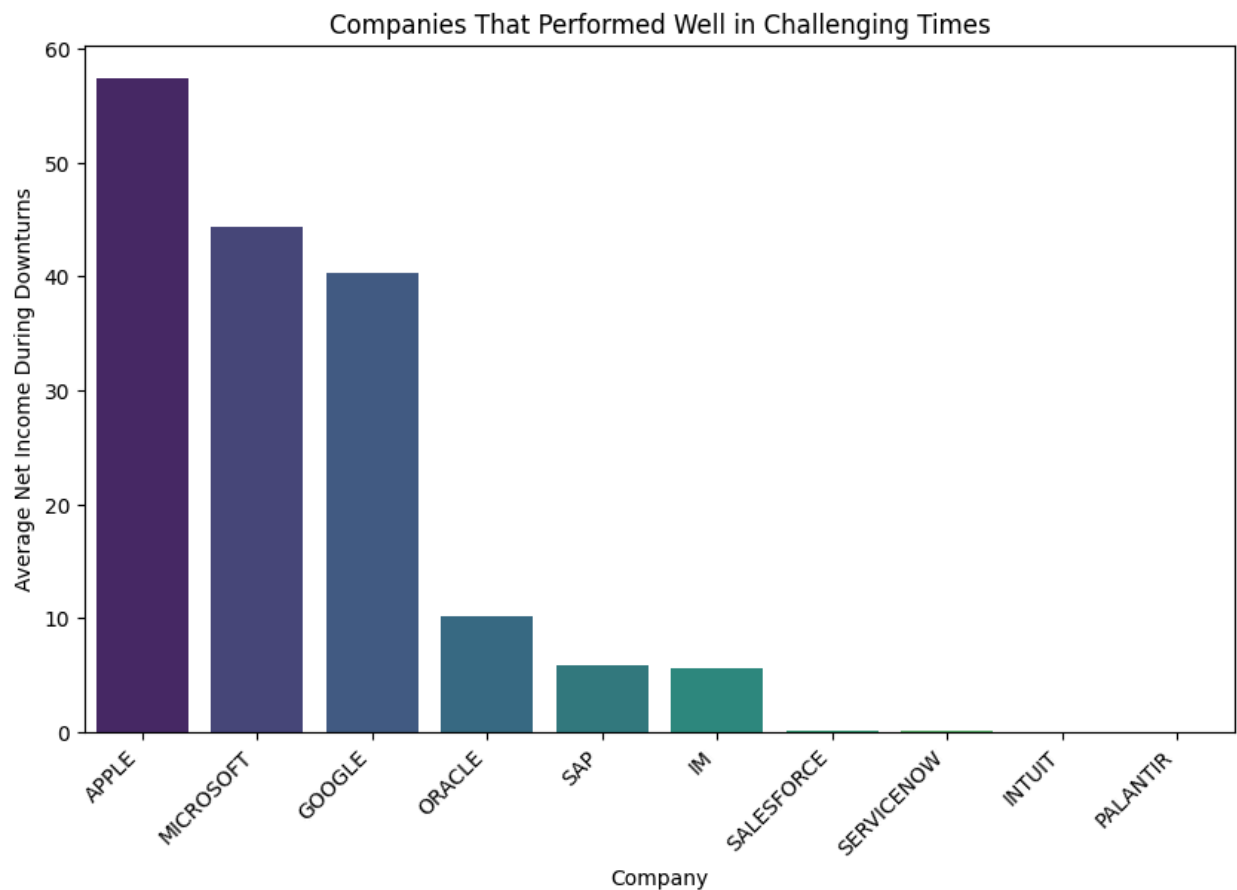
Balance Growth and Stability - Target companies with sustainable revenue growth and positive income growth correlation. Consider:

- PALANTIR
- SERVICENOW
- GOOGLE
- MICROSOFT
- INTUIT

Watch for Growth-Profitability Misalignment - Be cautious of companies projecting high revenue growth but declining net income (like SALESFORCE), as this may indicate unsustainable business expansion.

Consider Economic Cycle Position - Factor in where we are in the economic cycle when evaluating growth projections, as high-growth forecasts may be at risk during economic slowdowns.

4. Performance during Economic Downturn (2020 Financial Crisis due to Pandemic)



Top-performing companies during downturns:

COMPANY	REVENUE	NET INCOME
APPLE	274.520	57.411
MICROSOFT	143.015	44.281
GOOGLE	182.530	40.269
ORACLE	39.068	10.135
SAP	32.090	5.800

Least-performing companies during downturns:

COMPANY	REVENUE	NET INCOME
IM	73.600	5.590
SALESFORCE	17.098	0.126
SERVICENOW	4.520	0.119
INTUIT	7.680	0.002
PALANTIR	1.093	0.001

Data Interpretation & Suggestions:

Invest in Resilient Companies - Focus on firms that maintain strong profitability during economic downturns. Suggested companies:

- APPLE
- MICROSOFT
- GOOGLE
- ORACLE
- SAP

Diversify Across Resilient Sectors - Spread investments across sectors like tech, consumer goods, and healthcare to reduce risk.

Evaluate Financial Strength - Prioritize companies with consistently strong Net Income and Revenue, especially in challenging times.

Source to Notebook:

https://colab.research.google.com/drive/1HpxdlnmDHEO2ZIUvNiOrQr0hi9O4-872#scrollTo=8_6Hj9URHVwt