- 🏠 Home
- Dashboard
- Instruction to get API KEY
- 📄 Overview
- Data Report
- 📊 LIDA's functions
- **LIDA Tasks**

🔘 Sections

☑️ **Provider Instruction**

Choose your provider and Enter API Key:

Provider

| Gemini ⌄ |

Gemini API key:

| •••••••••••••••••••••••••••• 👁 |

Successfully connected to Gemini!

Tasks:

Functions:

| Summarize & Goal ⌄ |

LIDA Tasks

🧩 **Filter Instruction**   🔴 Requirements

| Instruction: ⌄ |

Temperature
`0.00`
🟣
`0.00`   `1.00`

Select Model:

| gemini-1.5-flash ⌄ |

Upload a data file in .csv format:

☁️ **Drag and drop file here** | Browse files |
Limit 200MB per file • CSV

📄 Apple 2009-2024.csv 2.5KB   ✕

Successfully uploaded a CSV file with 16 rows of data.

	year	EBITDA (millions)	Revenue (millions)	Gross Profit (millions)	Op Income (millions)	Net Income (millions)	
0	2,024	$134,661	$391,035	$180,683	$123,216	$93,736	
1	2,023	$125,820	$383,285	$169,148	$114,301	$96,995	
2	2,022	$130,541	$394,328	$170,782	$119,437	$99,803	
3	2,021	$120,233	$365,817	$152,836	$108,949	$94,680	
4	2,020	$77,344	$274,515	$104,956	$66,288	$57,411	

No missing or duplicate values found in the data.

Generate Charts

✳ Insight 0:

main() Goal Goal(question='How has the relationship between Revenue (millions) and Net Income (millions) changed over the years?', visualization='Line chart showing Revenue (millions) and Net Income (millions) over time (year)', rationale="This visualization uses 'year', 'Revenue (millions)', and 'Net Income (m...

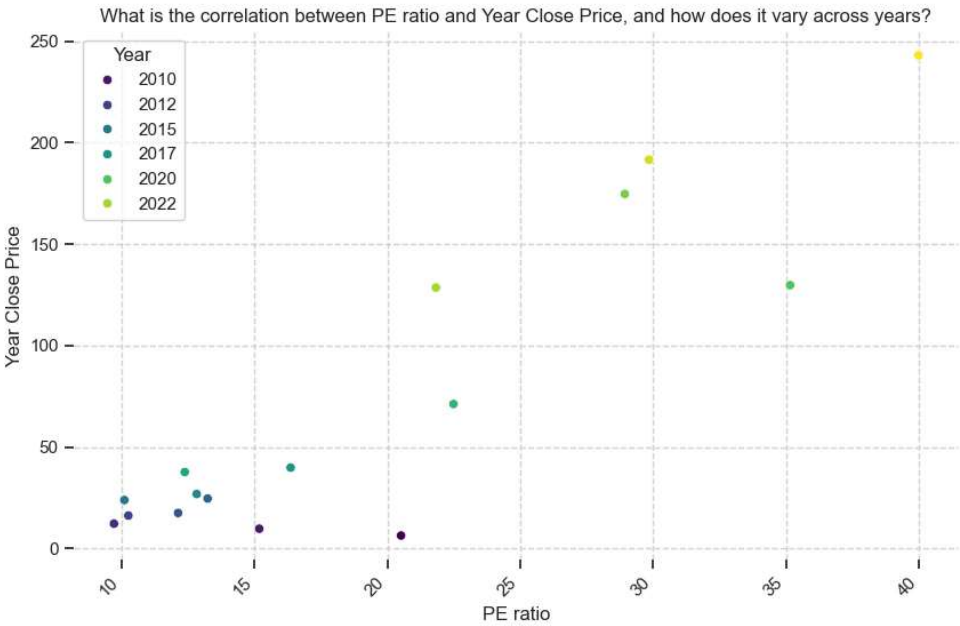| A visualization goal	
index int	0
question str	'How has the relationship between Revenue (millions) and Net Income (millions) changed over the years?'
rationale str	"This visualization uses 'year', 'Revenue (millions)', and 'Net Income (millions)' to analyze the trend of revenue and net income growth and their correlation over time. A strong positive correlation would indicate efficient revenue conversion into profit. Changes in the slope might highlight shif...
visualization str	'Line chart showing Revenue (millions) and Net Income (millions) over time (year)'
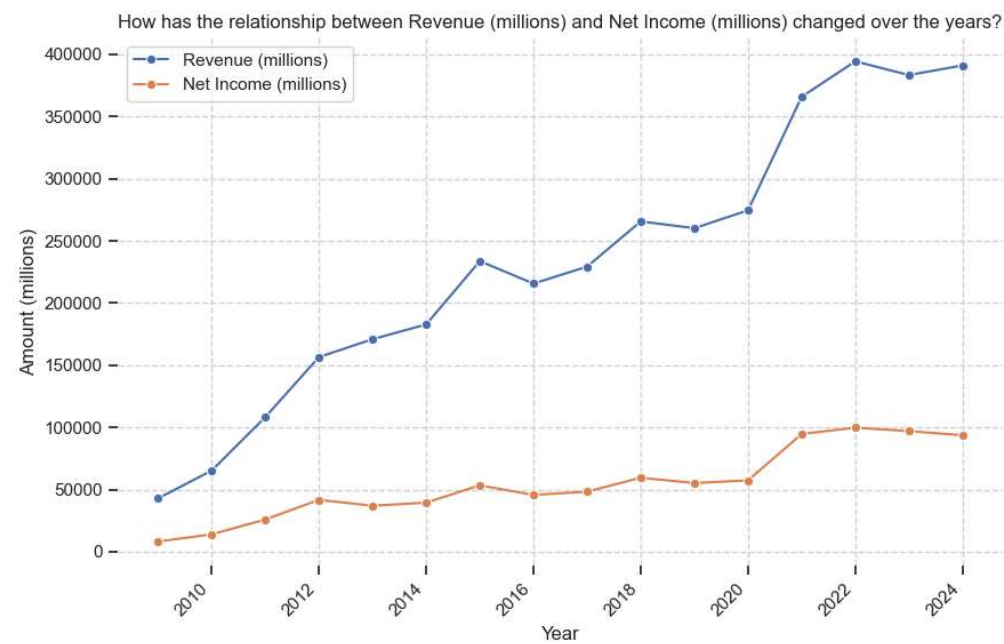
˚★﹄つ•ﻌ•ʔ⊃ Download Chart ˚★

⚙ VizOps ⌄

✸ Insight 1:

```
main() Goal Goal(question='What is the correlation between PE ratio and Year Close
Price, and how does it vary across years?', visualization="Scatter plot of 'PE ratio' vs
'Year Close Price', with points colored by 'year'", rationale="This uses 'year', 'PE
ratio', and 'Year Close Price' to explore the relations...
```

A visualization goal	
index int	1
question str	'What is the correlation between PE ratio and Year Close Price, and how does it vary across years?'
rationale str	"This uses 'year', 'PE ratio', and 'Year Close Price' to explore the relationship between market valuation (PE ratio) and the actual stock price. Clustering or patterns in the scatter plot will reveal insights into market sentiment and investor expectations across different years."
visualization str	"Scatter plot of 'PE ratio' vs 'Year Close Price', with points colored by 'year'"

What is the correlation between PE ratio and Year Close Price, and how does it vary across years?

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⚙ VizOps ⌄

✳ Insight 2:

```
main() Goal Goal(question='How do key financial metrics (Revenue, Net Income, EBITDA)
compare year-over-year, and what are the growth rates?', visualization="Grouped bar
chart showing 'Revenue (millions)', 'Net Income (millions)', and 'EBITDA (millions)' for
each 'year'", rationale="This visualization uses 'yea...
```
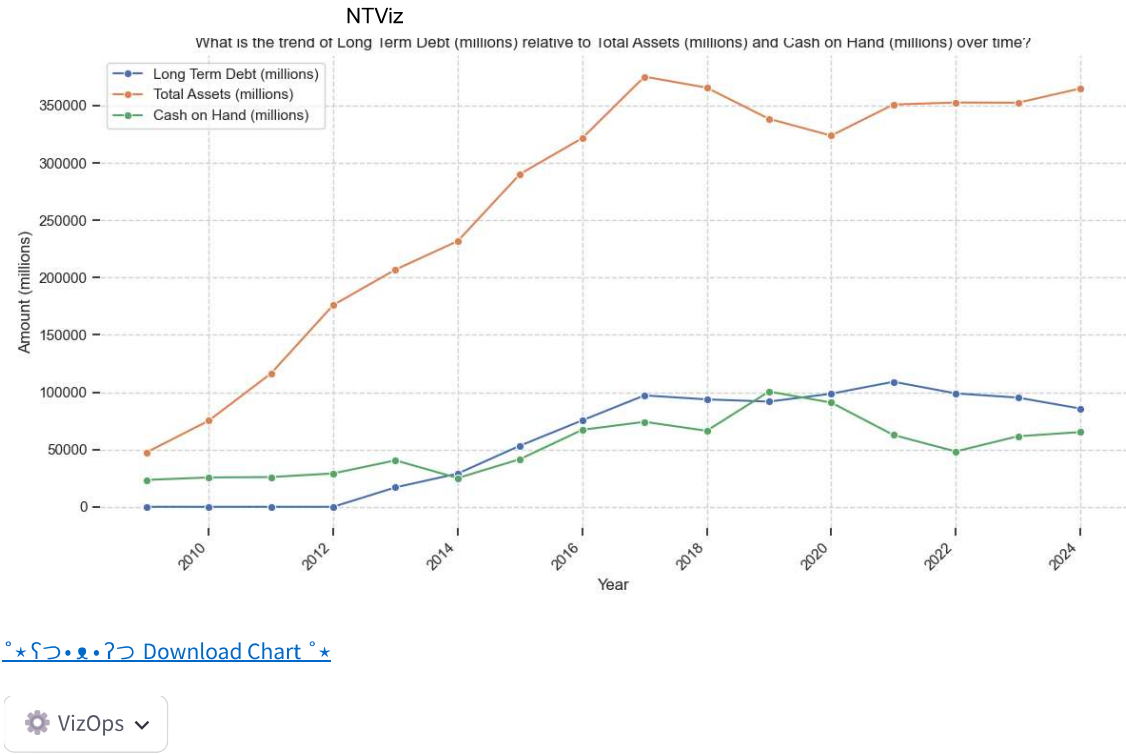
A visualization goal

index int	2
question str	'How do key financial metrics (Revenue, Net Income, EBITDA) compare year-over-year, and what are the growth rates?'
rationale str	"This visualization uses 'year', 'Revenue (millions)', and 'Net Income (millions)', and 'EBITDA (millions)' to compare the performance of

	these key metrics across years. The bar chart allows for easy comparison of growth rates and identification of any anomalies or significant changes in performance."
visualization str	"Grouped bar chart showing 'Revenue (millions)', 'Net Income (millions)', and 'EBITDA (millions)' for each 'year'"

✶ Insight 3:

main() Goal Goal(question='What is the trend of Long Term Debt (millions) relative to Total Assets (millions) and Cash on Hand (millions) over time?', visualization="Line chart showing 'Long Term Debt (millions)', 'Total Assets (millions)', and 'Cash on Hand (millions)' over 'year'", rationale="This uses 'year'...	
A visualization goal	
index int	3
question str	'What is the trend of Long Term Debt (millions) relative to Total Assets (millions) and Cash on Hand (millions) over time?'
rationale str	"This uses 'year', 'Long Term Debt (millions)', 'Total Assets (millions)', and 'Cash on Hand (millions)' to assess the company's financial leverage and liquidity. The trend analysis helps determine if the company is becoming more or less reliant on debt financing and if it maintains sufficient cash...
visualization str	"Line chart showing 'Long Term Debt (millions)', 'Total Assets (millions)', and 'Cash on Hand (millions)' over 'year'"

NTViz

What is the trend of Long Term Debt (millions) relative to Total Assets (millions) and Cash on Hand (millions) over time?

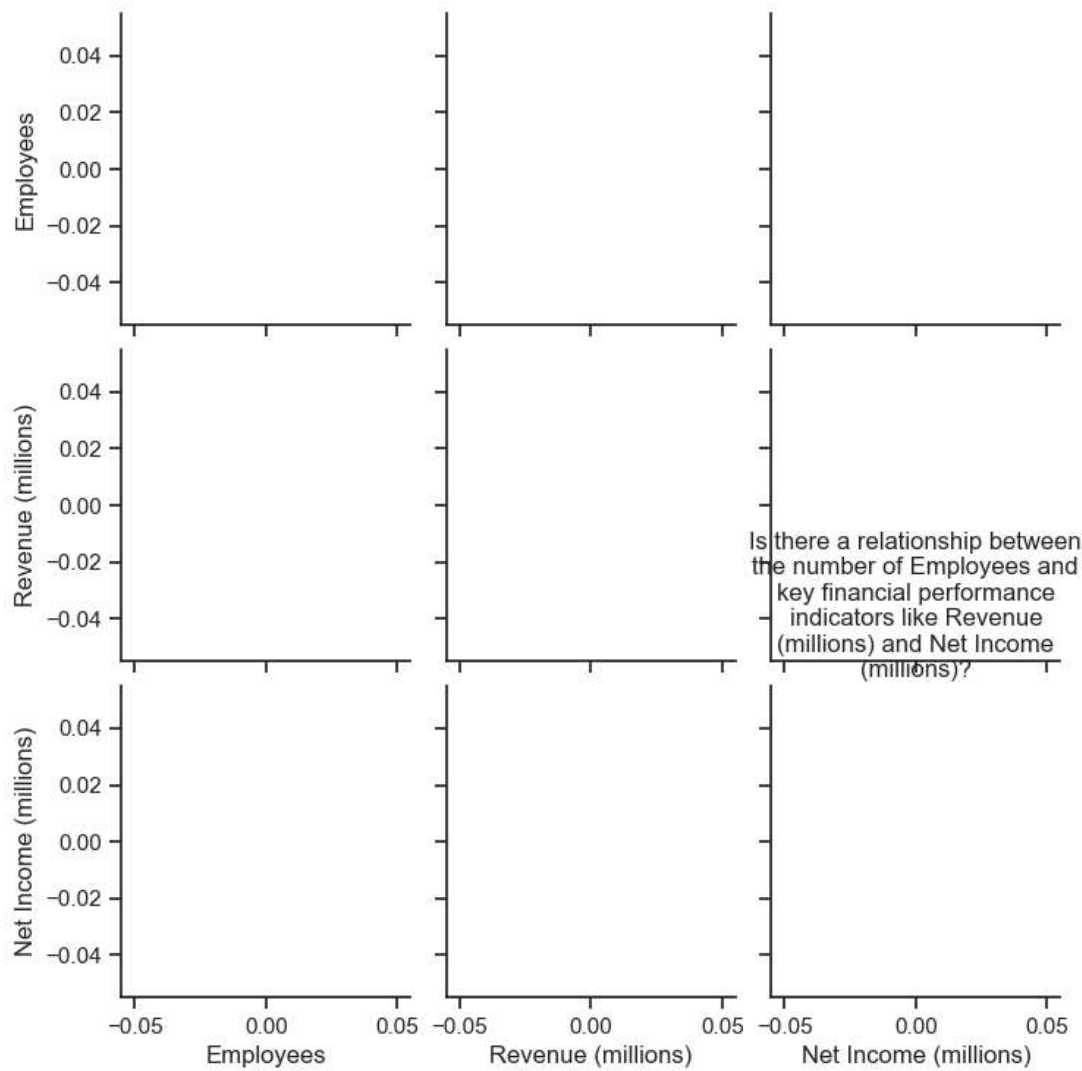˚⋆୨♡•⋆?ɔ Download Chart ˚⋆

⚙ VizOps ⌄

✸ Insight 4:

```
main() Goal Goal(question='Is there a relationship between the number of Employees and
key financial performance indicators like Revenue (millions) and Net Income
(millions)?', visualization="Scatter plot matrix showing the relationship between
'Employees', 'Revenue (millions)', and 'Net Income (millions)'", ra...
```

A visualization goal

index `int`	4
question `str`	'Is there a relationship between the number of Employees and key financial performance indicators like Revenue (millions) and Net Income (millions)?'
rationale `str`	"This visualization uses 'Employees', 'Revenue (millions)', and 'Net Income (millions)' to investigate the efficiency of the workforce. Correlation analysis from the scatter plot matrix will reveal if increased employee count translates to higher revenue and net income, or if there are diminishing ...

visualization str		"Scatter plot matrix showing the relationship between 'Employees', 'Revenue (millions)', and 'Net Income (millions)'"

Is there a relationship between the number of Employees and key financial performance indicators like Revenue (millions) and Net Income (millions)?

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⚙ VizOps ⌄