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Instruction to get API KEY

📝 **Overview**

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LIDA Tasks

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☑️ 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

                                                            0.70
                                                              ●
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

📄   FilmDetails.csv 1.0MB   ✕

Successfully uploaded a CSV file with 9718 rows of data.

|	top_billed	budget_usd	revenue_usd
0	arabont	Tim Robbins, Morgan Freeman, Bob Gunton, William Sadler, Clancy Brown	25,000,000	28,341,469
1	Ford Coppola	Marlon Brando, Al Pacino, James Caan, Robert Duvall, Richard S. Castellano	6,000,000	245,066,411
2	Ford Coppola	Al Pacino, Robert Duvall, Diane Keaton, Robert De Niro, John Cazale	13,000,000	102,600,000
3	pielberg	Liam Neeson, Ben Kingsley, Ralph Fiennes, Caroline Goodall, Jonathan Sagall	22,000,000	321,365,567
4	umet	Martin Balsam, John Fiedler, Lee J. Cobb, E.G. Marshall, Jack Klugman	397,751	4,360,000

Data cleaned!

Generate Charts

✷ Insight 0:

```
main() Goal Goal(question='What is the relationship between movie budget and revenue?',
visualization="Scatter plot of 'budget_usd' vs 'revenue_usd'", rationale='This
visualization will reveal the correlation between budget and revenue. A strong positive
correlation would suggest higher budgets lead to higher ...
```

A visualization goal	
index `int`	0
question `str`	'What is the relationship between movie budget and revenue?'
rationale `str`	'This visualization will reveal the correlation between budget and revenue. A strong positive correlation would suggest higher budgets lead to higher revenues, while a weak correlation or negative correlation would indicate other factors are more influential in determining box office success. Outl...
visualization `str`	"Scatter plot of 'budget_usd' vs 'revenue_usd'"

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⚙ VizOps ⌄
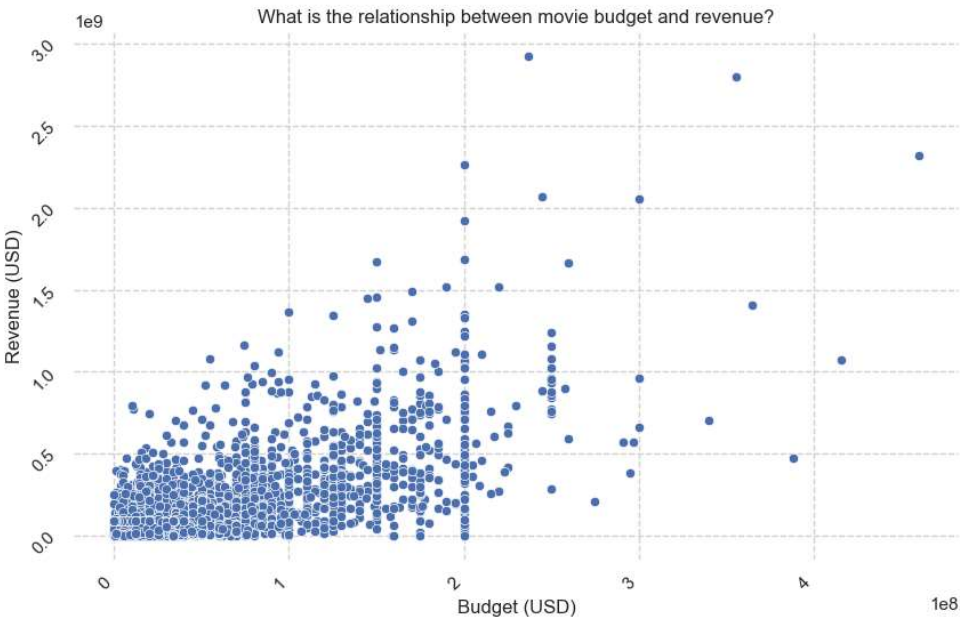
✳ Insight 1:

```
main() Goal Goal(question='Which directors have the highest average revenue?',
visualization="Bar chart of average 'revenue_usd' for each unique 'director'",
rationale='This will identify directors whose films tend to generate the most revenue.
It uses aggregation to summarize the data and provides a clear com...
```

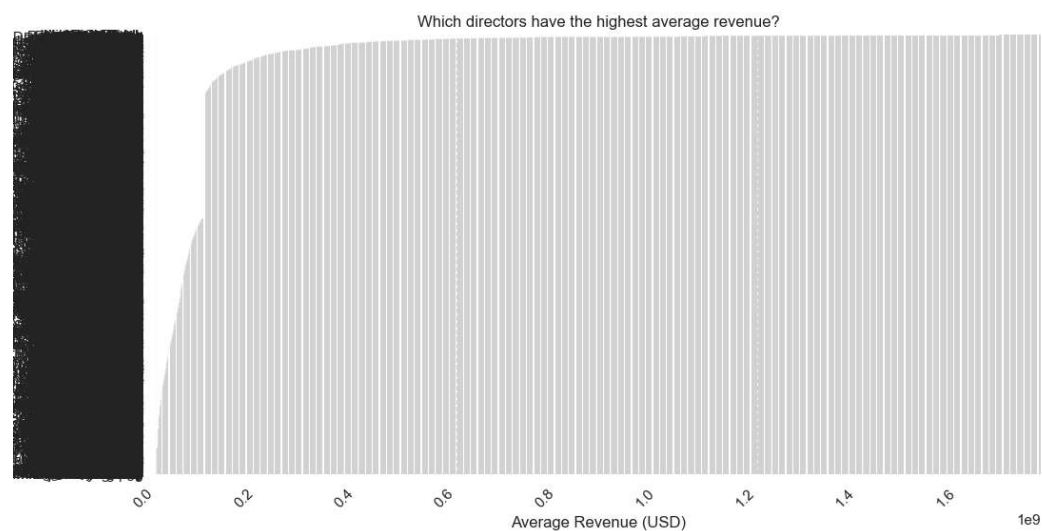| A visualization goal	
index `int`	1
question `str`	'Which directors have the highest average revenue?'
rationale `str`	'This will identify directors whose films tend to generate the most revenue. It uses aggregation to summarize the data and provides a clear comparison of director performance, revealing potential trends in directorial success.'
visualization `str`	"Bar chart of average 'revenue_usd' for each unique 'director'"

Which directors have the highest average revenue?

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⚙ VizOps ⌄

✳ Insight 2:

```
main() Goal Goal(question='What is the distribution of movie budgets?',
visualization="Histogram of 'budget_usd'", rationale='This histogram will show the
frequency distribution of movie budgets, highlighting the typical budget range and
identifying potential outliers (extremely high or low budget films). This ...
```

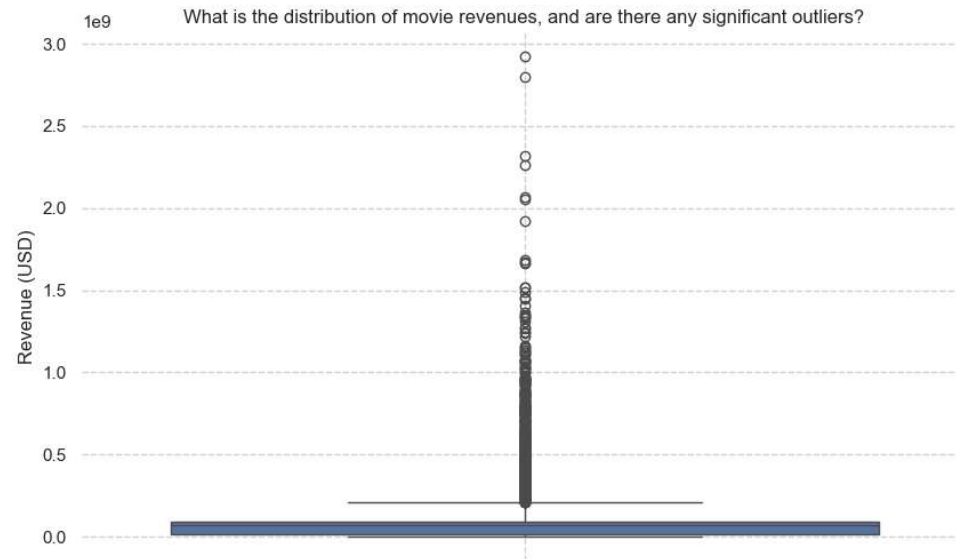| A visualization goal	
index int	2
question str	'What is the distribution of movie budgets?'
rationale str	'This histogram will show the frequency distribution of movie budgets, highlighting the typical budget range and identifying potential outliers (extremely high or low budget films). This can reveal insights into industry trends and risk-taking behavior.'
visualization str	"Histogram of 'budget_usd'"

What is the distribution of movie budgets?

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⚙ VizOps ⌄

✴ Insight 3:

main() `Goal` Goal(question='Is there a correlation between budget and the number of top-billed actors?', visualization="Scatter plot of 'budget_usd' vs the number of actors listed in 'top_billed' (after splitting the string by ',')", rationale="This explores whether higher budget films tend to have larger casts....

A visualization goal

index `int`	3
question `str`	'Is there a correlation between budget and the number of top-billed actors?'
rationale `str`	"This explores whether higher budget films tend to have larger casts. This requires pre-processing to count the number of actors from the

'top_billed' string. The visualization will help to reveal any trends in casting decisions based on budget."

visualization `str`	"Scatter plot of 'budget_usd' vs the number of actors listed in 'top_billed' (after splitting the string by ',')"

✴ Insight 4:

```
main() Goal Goal(question='What is the distribution of movie revenues, and are there any
significant outliers?', visualization="Box plot of 'revenue_usd'", rationale='A box plot
will clearly show the median, quartiles, and outliers in movie revenues. This provides a
concise summary of the revenue distribution, ...
```

A visualization goal	
index `int`	4
question `str`	'What is the distribution of movie revenues, and are there any significant outliers?'
rationale `str`	'A box plot will clearly show the median, quartiles, and outliers in movie revenues. This provides a concise summary of the revenue distribution, highlighting potential exceptionally high or low-performing films, and allowing for the identification of potential data errors or unusual events.'
visualization `str`	"Box plot of 'revenue_usd'"

What is the distribution of movie revenues, and are there any significant outliers?

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