

[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 &amp; 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

Limit 200MB per file • CSV

Browse files



FilmDetails.csv 1.0MB



Successfully uploaded a CSV file with 9718 rows of data.

	id	director	top_billed	budget_us
0	1	Frank Darabont	Tim Robbins, Morgan Freeman, Bob Gunton, William Sadler, Clancy Brown	25,000,00
1	2	Francis Ford Coppola	Marlon Brando, Al Pacino, James Caan, Robert Duvall, Richard S. Castellano	6,000,00
2	3	Francis Ford Coppola	Al Pacino, Robert Duvall, Diane Keaton, Robert De Niro, John Cazale	13,000,00
3	4	Steven Spielberg	Liam Neeson, Ben Kingsley, Ralph Fiennes, Caroline Goodall, Jonathan Sagall	22,000,00
4	5	Sidney Lumet	Martin Balsam, John Fiedler, Lee J. Cobb, E.G. Marshall, Jack Klugman	397,75

Data cleaned!

Generate Charts

✳ Insight 0:

```
main() Goal Goal(question='What is the relationship between film budget and revenue?',
visualization="Scatter plot of 'budget_usd' vs 'revenue_usd'", rationale='This
visualization will reveal the correlation between production budget and box office
revenue. A strong positive correlation would indicate that hig...
```

A visualization goal

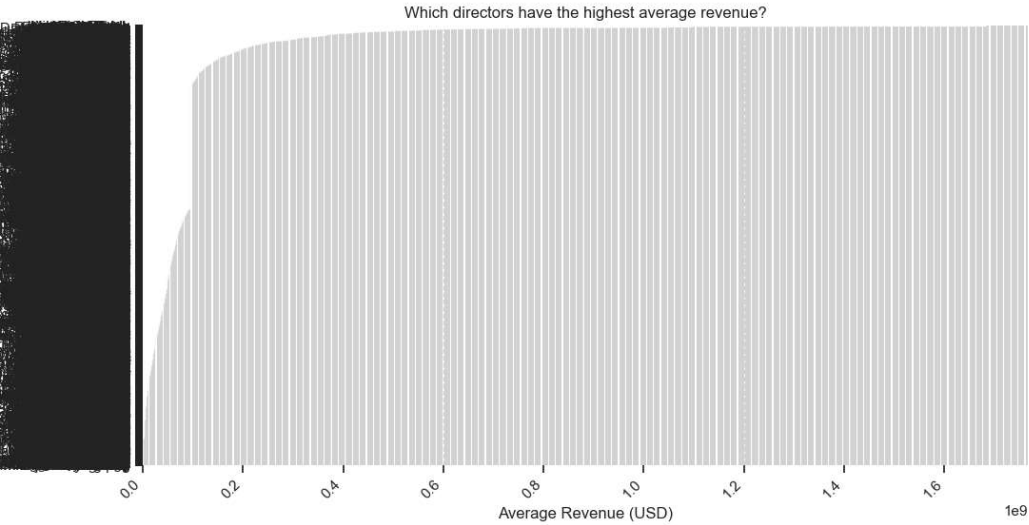
index	int	0
question	str	'What is the relationship between film budget and revenue?'
rationale	str	'This visualization will reveal the correlation between production budget and box office revenue. A strong positive correlation would indicate that higher budgets generally lead to higher revenues, while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




°\*↵•••?↵ Download Chart °\*

✳ Insight 1:

<pre>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 highest revenue. It helps understand directorial impact on box office success, c...</pre>	
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 highest revenue. It helps understand directorial impact on box office success, considering that this is an average and doesn't account for budget differences."
visualization str	"Bar chart of average 'revenue_usd' for each unique 'director'"

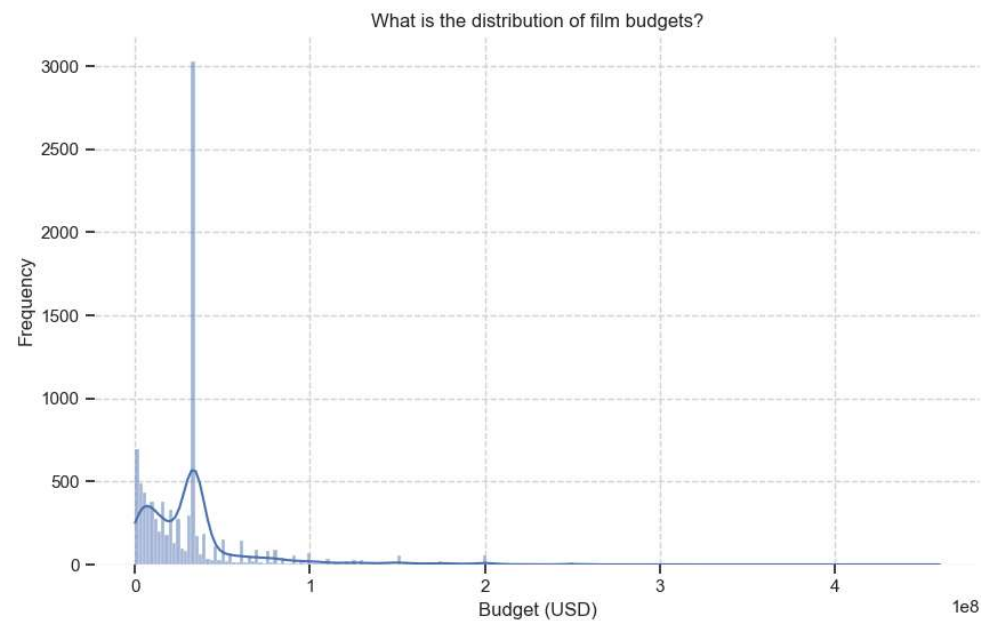


✳ ⌕ ⚙ ⌂ ⌕ ✳ [Download Chart](#) ✳

 VizOps ▾

✳ Insight 2:

<pre>main() Goal Goal(question='What is the distribution of film budgets?', visualization="Histogram of 'budget_usd'", rationale='This histogram will show the frequency distribution of film budgets, revealing whether budgets are concentrated around a particular value or spread across a wide range. It will help iden...</pre>	
A visualization goal	
index <code>int</code>	2
question <code>str</code>	'What is the distribution of film budgets?'
rationale <code>str</code>	'This histogram will show the frequency distribution of film budgets, revealing whether budgets are concentrated around a particular value or spread across a wide range. It will help identify common budget levels in the dataset.'
visualization <code>str</code>	"Histogram of 'budget_usd'"



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### ✳ Insight 3:

```
main() Goal Goal(question='How does the number of top-billed actors correlate with revenue?', visualization="Scatter plot of the number of actors (extracted from 'top_billed' by counting comma-separated values) vs 'revenue_usd'", rationale="This explores the relationship between the number of top-billed actors ...
```

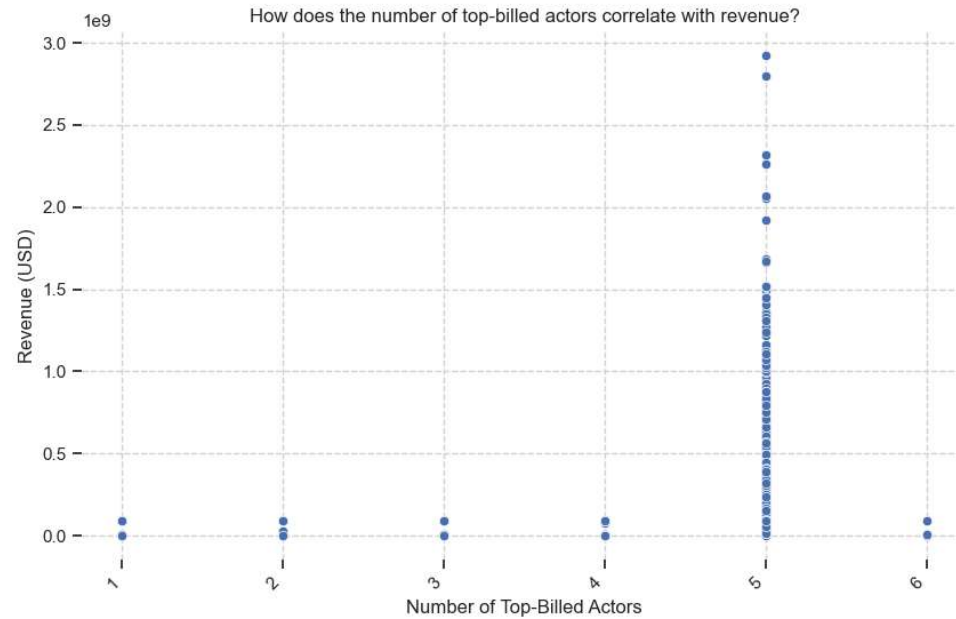
A visualization goal

index	int	3
question	str	'How does the number of top-billed actors correlate with revenue?'
rationale	str	"This explores the relationship between the number of top-billed actors and revenue. We hypothesize that a larger number of stars might correlate with higher marketing costs and potentially higher revenue,

but this needs to be verified. This requires pre-processing to count actors from the 'top\_bi...

visualization `str`

"Scatter plot of the number of actors (extracted from 'top\_billed' by counting comma-separated values) vs 'revenue\_usd'"



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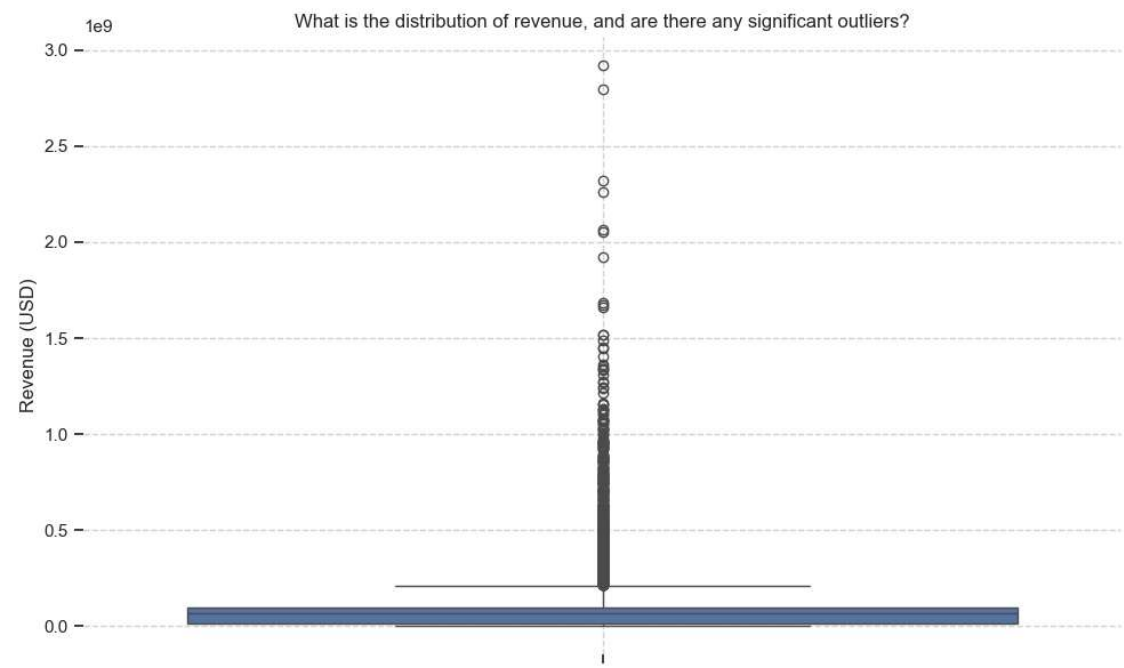
VizOps ▼

## ✳ Insight 4:

```
main() Goal Goal(question='What is the distribution of revenue, and are there any
significant outliers?', visualization="Box plot of 'revenue_usd'", rationale='A box plot
will effectively display the median, quartiles, and potential outliers in the revenue
data. This helps identify films with exceptionally high...
```

A visualization goal

index <span>int</span>	4
question <span>str</span>	'What is the distribution of revenue, and are there any significant outliers?'
rationale <span>str</span>	'A box plot will effectively display the median, quartiles, and potential outliers in the revenue data. This helps identify films with exceptionally high or low revenue compared to the overall distribution, allowing for further investigation into the factors contributing to these extreme values.'
visualization <span>str</span>	"Box plot of 'revenue_usd'"



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