

[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

0.70

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



income.csv 24.9KB



Successfully uploaded a CSV file with 520 rows of data.

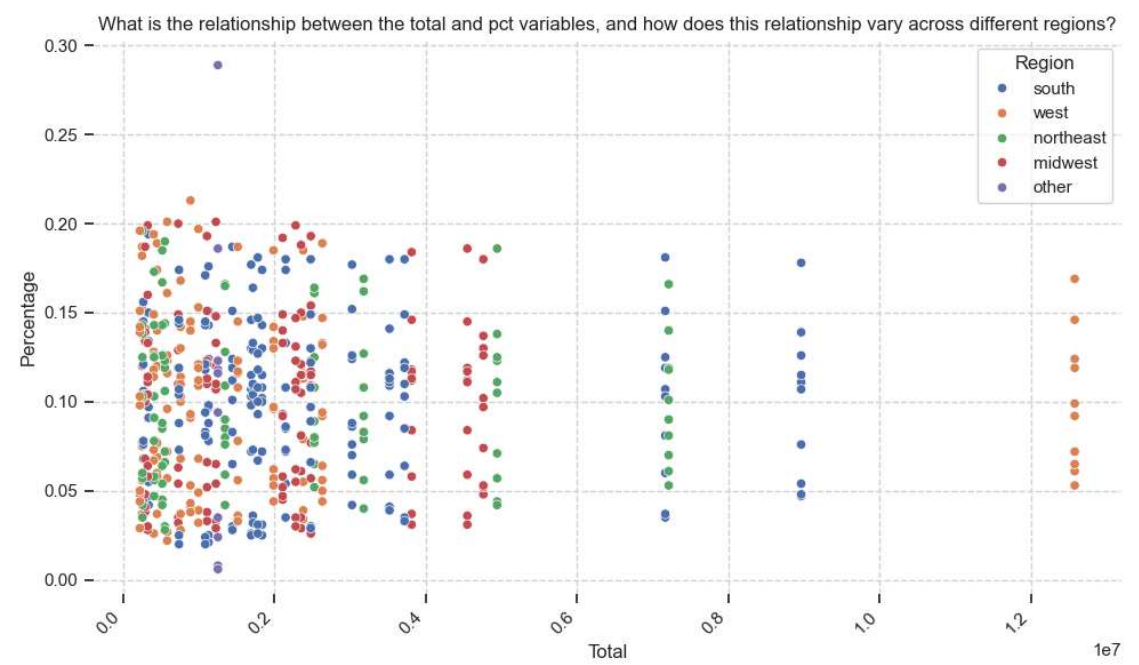
	name	region	id	pct	total	group
0	Alabama	south	1	0.102	1,837,292	<10000
1	Alabama	south	1	0.072	1,837,292	10000 to 14999
2	Alabama	south	1	0.13	1,837,292	15000 to 24999
3	Alabama	south	1	0.115	1,837,292	25000 to 34999
4	Alabama	south	1	0.143	1,837,292	35000 to 49999

No missing or duplicate values found in the data.


Generate Charts

✳ Insight 0:

<pre>main() Goal Goal(question="What is the relationship between the 'total' and 'pct' variables, and how does this relationship vary across different 'region's?", visualization="Scatter plot of 'total' vs. 'pct', with points colored by 'region'", rationale="This visualization will reveal potential correlations betw...")</pre>	
A visualization goal	
index int	0
question str	"What is the relationship between the 'total' and 'pct' variables, and how does this relationship vary across different 'region's?"
rationale str	"This visualization will reveal potential correlations between total and percentage values, and whether these correlations differ significantly across geographical regions. Using a scatter plot allows for the identification of trends and outliers. The color-coding by 'region' allows for a compariso..."
visualization str	"Scatter plot of 'total' vs. 'pct', with points colored by 'region'"



◦*↶•••↷ Download Chart ◦*

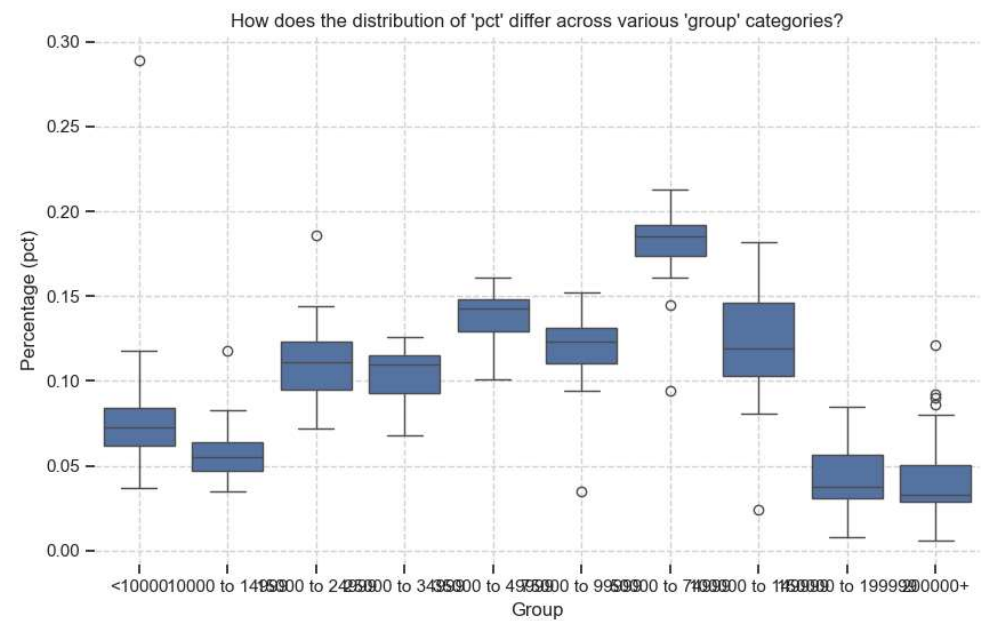
 VizOps ▾

✱ Insight 1:

```
main() Goal Goal(question="How does the distribution of 'pct' differ across various 'group' categories?", visualization="Box plot of 'pct' for each 'group'", rationale="This will show the central tendency, spread, and potential outliers of 'pct' within each 'group'. Box plots are effective for comparing the dis...")
```

A visualization goal

index <code>int</code>	1
question <code>str</code>	"How does the distribution of 'pct' differ across various 'group' categories?"
rationale <code>str</code>	"This will show the central tendency, spread, and potential outliers of 'pct' within each 'group'. Box plots are effective for comparing the distribution across multiple categorical groups. This helps understand if any group has significantly higher or lower 'pct' values."
visualization <code>str</code>	"Box plot of 'pct' for each 'group'"



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✳ Insight 2:

```
main() Goal Goal(question="What is the average 'total' for each 'name', and how does it correlate with the 'region'?", visualization="Bar chart showing average 'total' for each 'name', grouped by 'region'", rationale="This visualization will help identify which 'name's have higher average 'total' values and how...")
```

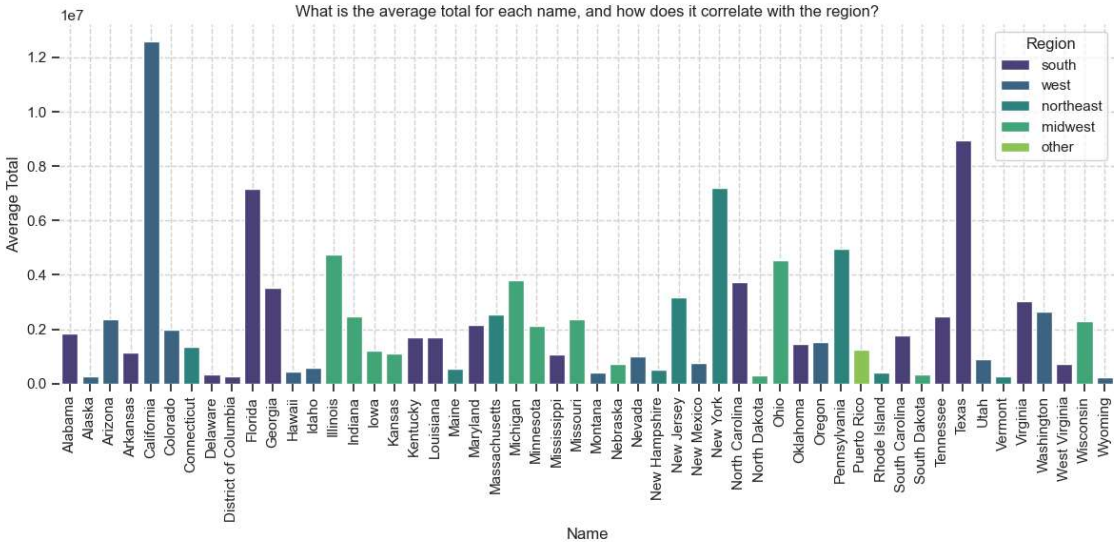
A visualization goal

index	int	2
question	str	"What is the average 'total' for each 'name', and how does it correlate with the 'region'?"
rationale	str	"This visualization will help identify which 'name's have higher average 'total' values and how this varies by region. A bar chart

effectively compares averages across categories. Grouping by 'region' allows for regional comparisons of average totals."

visualization str

"Bar chart showing average 'total' for each 'name', grouped by 'region'"



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Insight 3:

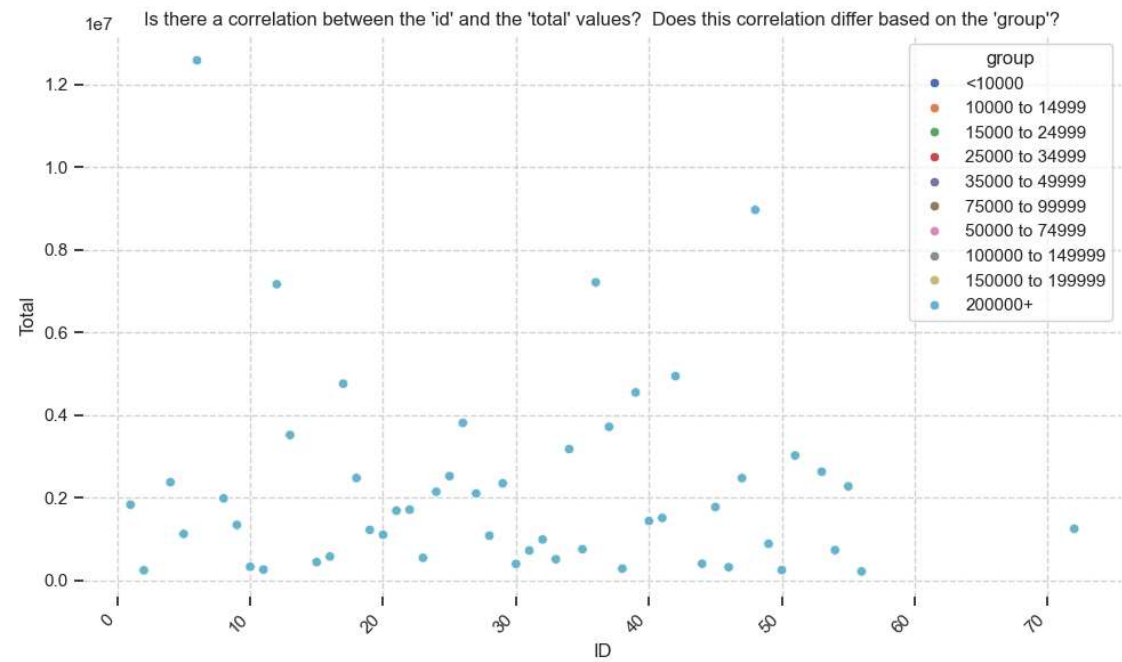
```
main() Goal Goal(question="Is there a correlation between the 'id' and the 'total' values? Does this correlation differ based on the 'group'?", visualization="Scatter plot of 'id' vs. 'total', with points colored by 'group'", rationale="This explores the potential relationship between 'id' and 'total', looking...
```

A visualization goal

index int 3

question str "Is there a correlation between the 'id' and the 'total' values? Does this correlation differ based on the 'group'?"

rationale <code>str</code>	"This explores the potential relationship between 'id' and 'total', looking for trends and potential outliers. Color-coding by 'group' helps determine if the relationship differs across groups. Scatter plots are ideal for visualizing correlations between numerical variables."
visualization <code>str</code>	"Scatter plot of 'id' vs. 'total', with points colored by 'group'"



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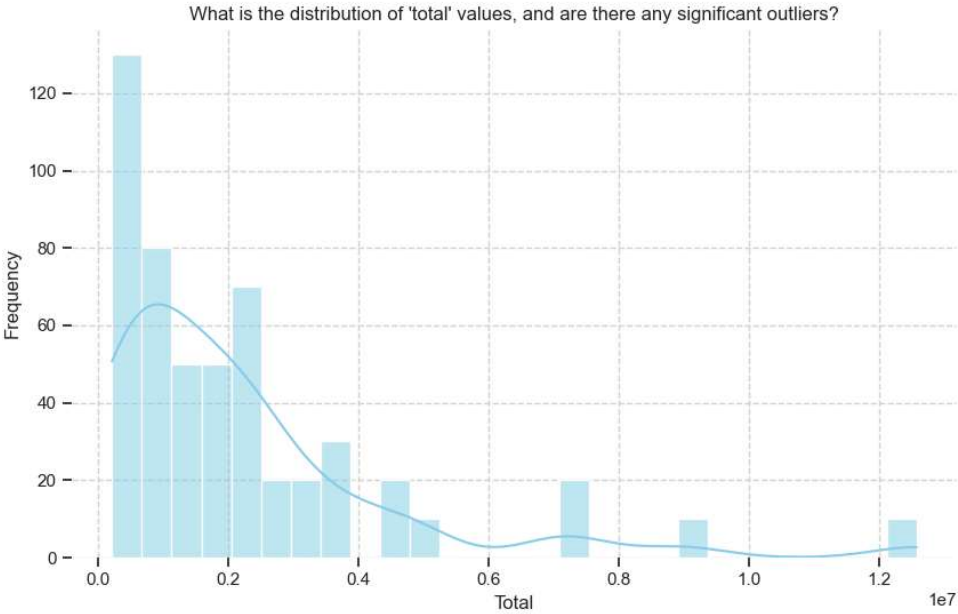
VizOps

✳ Insight 4:

```
main() Goal Goal(question="What is the distribution of 'total' values, and are there any significant outliers?", visualization="Histogram of 'total' with overlaid density plot", rationale="This will show the frequency distribution of the 'total' variable, highlighting its shape and identifying potential outlier...")
```

A visualization goal

index <code>int</code>	4
question <code>str</code>	"What is the distribution of 'total' values, and are there any significant outliers?"
rationale <code>str</code>	"This will show the frequency distribution of the 'total' variable, highlighting its shape and identifying potential outliers. A histogram with an overlaid density plot provides a clearer picture of the data's distribution than a histogram alone. Identifying outliers is crucial for understanding dat..."
visualization <code>str</code>	"Histogram of 'total' with overlaid density plot"



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