

LIDA Tasks

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Temperature



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.




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Choose your provider and Enter API Key:

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Gemini API key:

.....



Successfully connected to Gemini!

Tasks:

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Summarize & Goal ▾

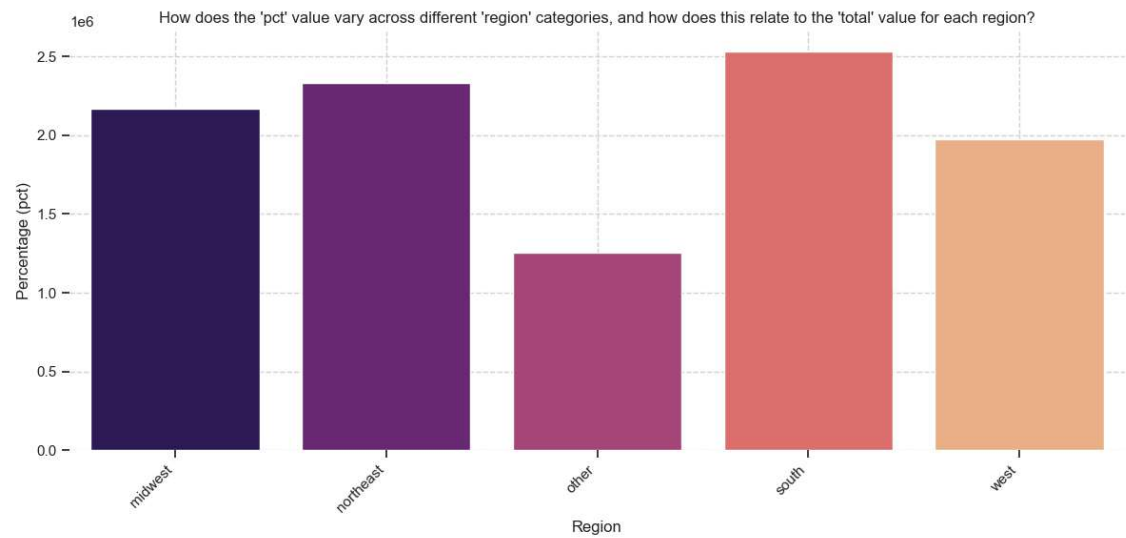
Generate Charts

★ Insight 0:


```
main() Goal Goal(question="How does the 'pct' value vary across different 'region' categories, and how does this relate to the 'total' value for each region?", visualization="Box plot of 'pct' grouped by 'region', with points representing individual 'total' values overlaid. A secondary plot could show the aver...
```

A visualization goal

index int	0
question str	"How does the 'pct' value vary across different 'region' categories, and how does this relate to the 'total' value for each region?"
rationale str	"This visualization uses 'pct', 'region', and 'total' to explore potential correlations. The box plot shows the distribution of 'pct' within each region, highlighting potential outliers and differences in central tendency. Overlaying 'total' values helps understand if higher totals are associated w...
visualization str	"Box plot of 'pct' grouped by 'region', with points representing individual 'total' values overlaid. A secondary plot could show the average 'total' per region."

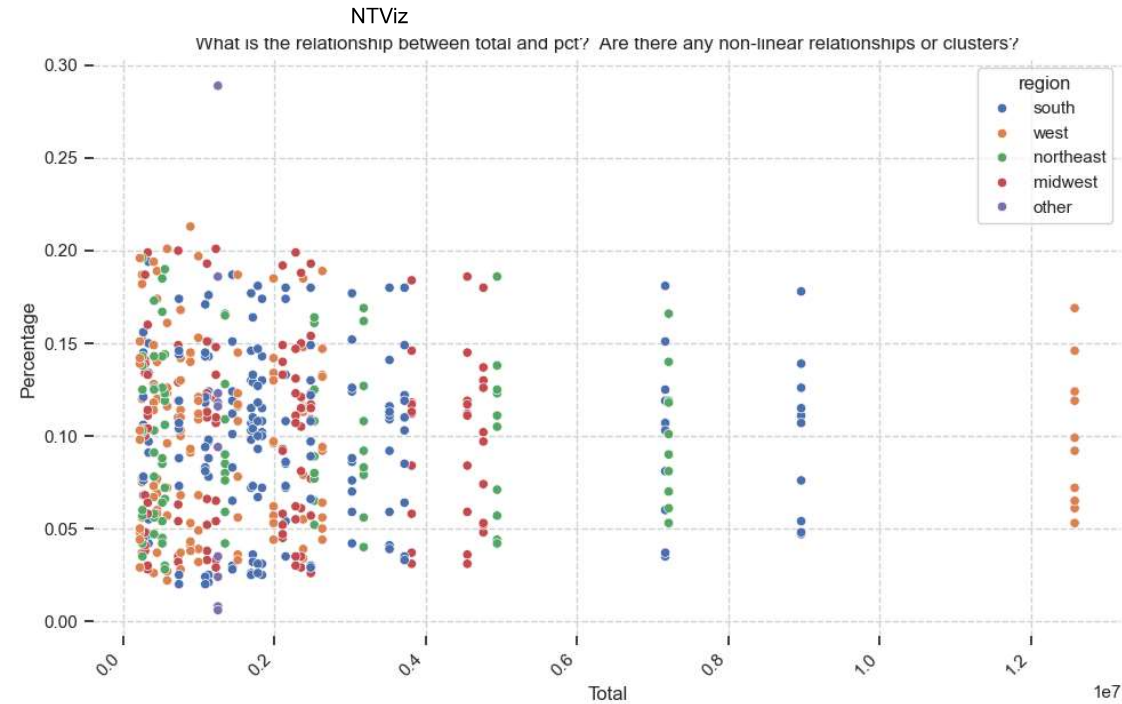


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✱ Insight 1:

<pre>main() Goal Goal(question="What is the relationship between 'total' and 'pct'? Are there any non-linear relationships or clusters?", visualization="Scatter plot of 'total' vs. 'pct', with color-coding based on 'region'.", rationale="This uses 'total' and 'pct' to directly visualize their relationship. Color-c...</pre>	
A visualization goal	
index <code>int</code>	1
question <code>str</code>	"What is the relationship between 'total' and 'pct'? Are there any non-linear relationships or clusters?"
rationale <code>str</code>	"This uses 'total' and 'pct' to directly visualize their relationship. Color-coding by 'region' allows us to see if the relationship differs across regions. We can identify potential non-linear trends or clusters that might indicate subgroups within the data."
visualization <code>str</code>	"Scatter plot of 'total' vs. 'pct', with color-coding based on 'region'."



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✳ Insight 2:

```
main() Goal Goal(question="How does the distribution of 'total' change across different 'group' categories?", visualization="Bar chart showing the average 'total' for each 'group' category, with error bars representing standard deviation.", rationale="This visualization uses 'total' and 'group' to compare the a...
```

A visualization goal

index	int	2
question	str	"How does the distribution of 'total' change across different 'group' categories?"
rationale	str	"This visualization uses 'total' and 'group' to compare the average 'total' across different groups. Error bars provide a measure of

	variability within each group, allowing for a more robust comparison."
visualization str	"Bar chart showing the average 'total' for each 'group' category, with error bars representing standard deviation."

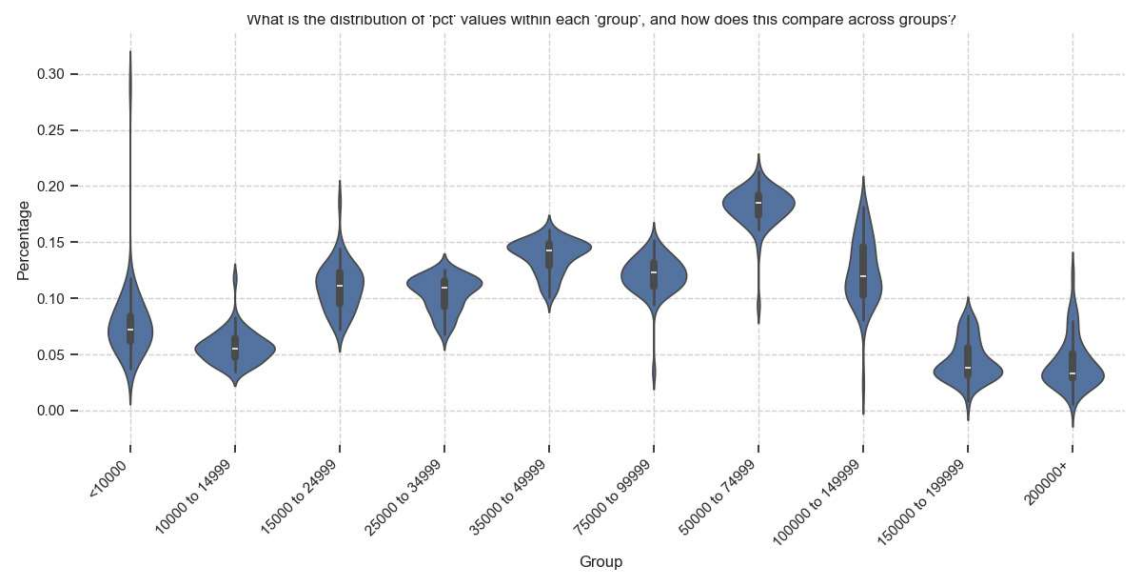
✳ Insight 3:

<pre>main() Goal Goal(question="Is there a correlation between the 'id' and the 'total' value? Does this correlation vary by region?", visualization="Scatter plot of 'id' vs. 'total', with points colored by 'region'. A linear regression line could be added for each region to show the trend.", rationale="This explor...</pre>	
A visualization goal	
index int	3
question str	"Is there a correlation between the 'id' and the 'total' value? Does this correlation vary by region?"
rationale str	"This explores the relationship between 'id' and 'total', potentially revealing a hidden pattern or trend. Color-coding by 'region' allows for a comparison of this relationship across different regions. The regression lines will quantify the strength and direction of the correlation in each region....
visualization str	"Scatter plot of 'id' vs. 'total', with points colored by 'region'. A linear regression line could be added for each region to show the trend."

✳ Insight 4:

<pre>main() Goal Goal(question="What is the distribution of 'pct' values within each 'group', and how does this compare across groups?", visualization="Violin plot showing the distribution of 'pct' for each 'group' category.", rationale="This visualization uses 'pct' and 'group' to compare the distribution of 'pct' ...</pre>	
A visualization goal	
index int	4

question str	"What is the distribution of 'pct' values within each 'group', and how does this compare across groups?"
rationale str	"This visualization uses 'pct' and 'group' to compare the distribution of 'pct' across different groups. A violin plot combines the benefits of a box plot (showing quartiles and median) with a kernel density estimation, providing a richer understanding of the distribution's shape and spread."
visualization str	"Violin plot showing the distribution of 'pct' for each 'group' category."



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