- Home
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- 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

0.70

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

Ecommerce_Customers.csv 70.0KB

Successfully uploaded a CSV file with 500 rows of data.

	tar	Avg. Session Length	Time on App	Time on Website	Length of Membership	Yearly Amount Spent
0	let	34.4973	12.6557	39.5777	4.0826	587.9511
1	kGreen	31.9263	11.1095	37.269	2.664	392.2049
2	que	33.0009	11.3303	37.1106	4.1045	487.5475
3	dleBrown	34.3056	13.7175	36.7213	3.1202	581.8523
4	diumAquaMarine	33.3307	12.7952	37.5367	4.4463	599.4061

No missing or duplicate values found in the data.

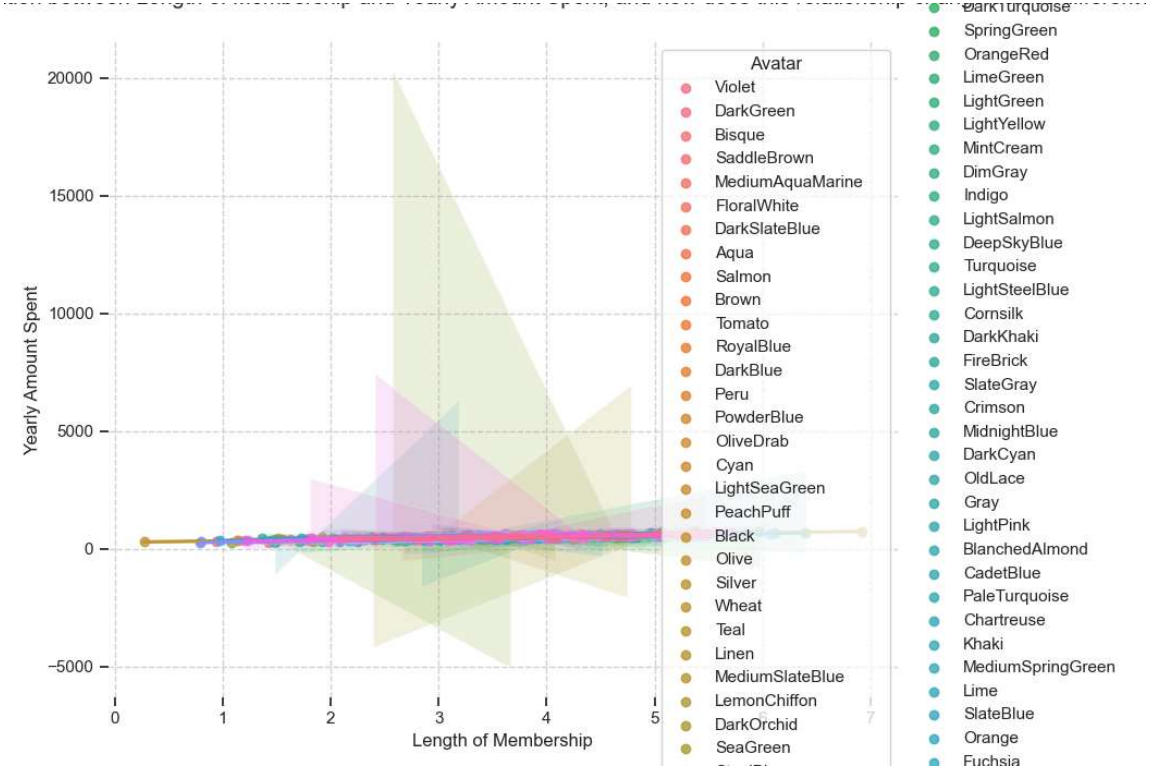
Generate Charts

✷ Insight 0:

```
main() Goal Goal(question="What is the correlation between 'Length of Membership' and 'Yearly Amount Spent', and how does this relationship change across different 'Avatar' categories?", visualization="Scatter plot matrix showing the relationship between 'Length of Membership' and 'Yearly Amount Spent', with po...
```

A visualization goal

index int	0
question str	"What is the correlation between 'Length of Membership' and 'Yearly Amount Spent', and how does this relationship change across different 'Avatar' categories?"
rationale str	"This visualization uses 'Length of Membership', 'Yearly Amount Spent', and 'Avatar' to explore potential patterns in customer spending behavior based on membership duration and avatar type. The scatter plot matrix effectively visualizes correlations, while color-coding reveals potential difference..."
visualization str	"Scatter plot matrix showing the relationship between 'Length of Membership' and 'Yearly Amount Spent', with points colored by 'Avatar'. A separate regression line could be added for each Avatar category."



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VizOps

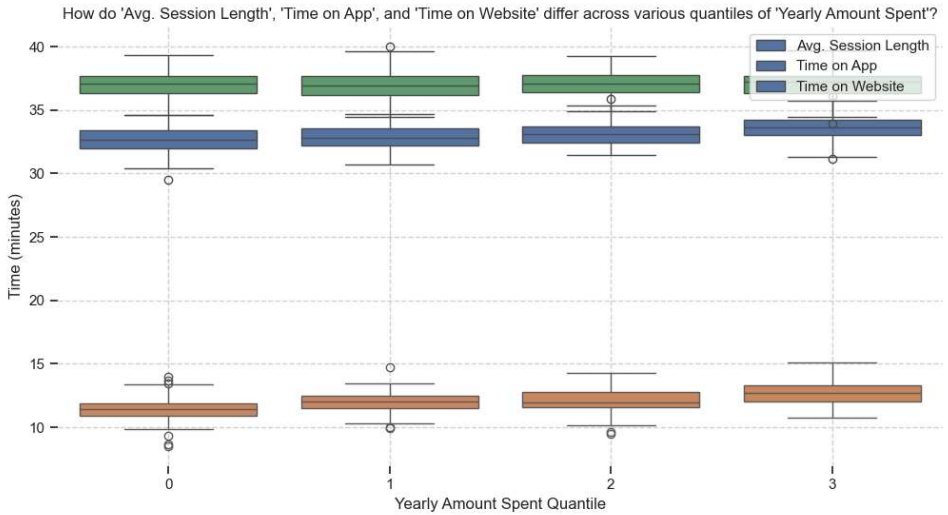
✷ Insight 1:

`main()` `Goal` `Goal(question="How do 'Avg. Session Length', 'Time on App', and 'Time on Website' differ across various quantiles of 'Yearly Amount Spent'?", visualization="Box plot showing the distribution of 'Avg. Session Length', 'Time on App', and 'Time on Website' for different quantiles (e.g., quartiles or de...`

A visualization goal

index `int`	1
question `str`	"How do 'Avg. Session Length', 'Time on App', and 'Time on Website' differ across various quantiles of 'Yearly Amount Spent'?"

rationale str	"This uses 'Avg. Session Length', 'Time on App', 'Time on Website', and 'Yearly Amount Spent' to understand if there's a relationship between time spent on the app/website and the amount spent. Box plots effectively show the distribution (median, quartiles, outliers) for each quantile of spending, a...
visualization str	"Box plot showing the distribution of 'Avg. Session Length', 'Time on App', and 'Time on Website' for different quantiles (e.g., quartiles or deciles) of 'Yearly Amount Spent'."



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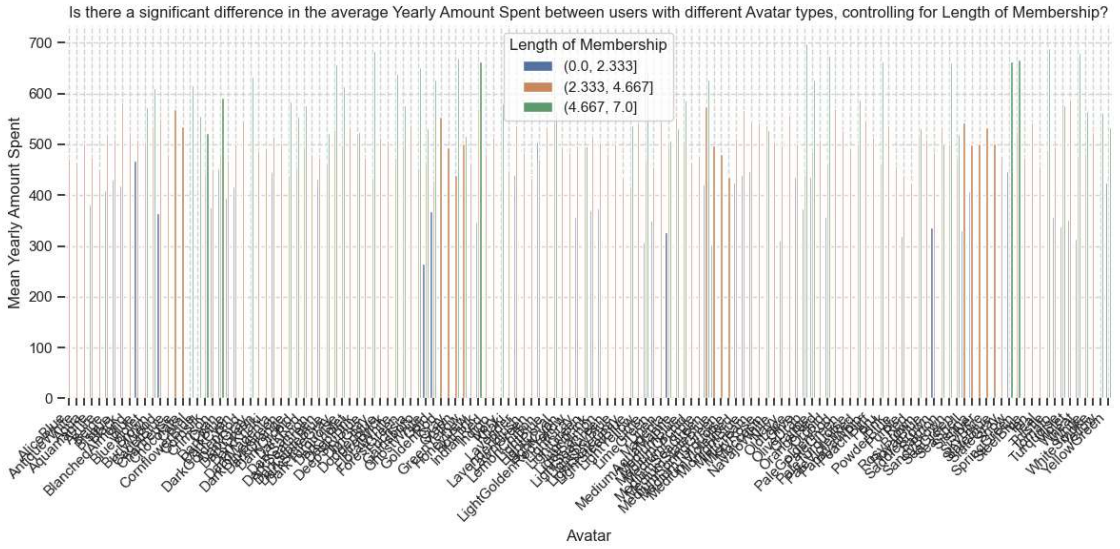
✷ Insight 2:

main() Goal Goal(question="Is there a significant difference in the average 'Yearly Amount Spent' between users with different 'Avatar' types, controlling for 'Length of Membership'?", visualization="Bar chart showing average 'Yearly Amount Spent' for each 'Avatar' category, with error bars representing standar...

A visualization goal

index int	2
question str	"Is there a significant difference in the average 'Yearly Amount Spent' between users with different 'Avatar' types, controlling for 'Length of Membership'?"
rationale str	"'Avatar', 'Yearly Amount Spent', and 'Length of Membership' are used. This investigates whether avatar type influences spending, accounting for the effect of membership duration. A bar chart clearly displays average spending differences across avatar types, and adding error bars and faceting by me...
visualization str	"Bar chart showing average 'Yearly Amount Spent' for each 'Avatar' category, with error bars representing standard deviation. The chart could be faceted or have different colored bars for different 'Length of Membership' ranges."



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✷ Insight 3:

```
main() Goal Goal(question="What is the distribution of 'Yearly Amount Spent', and can we identify distinct customer segments based on this distribution and other key metrics?", visualization="Density plot of 'Yearly Amount Spent' overlaid with potential cluster assignments (e.g., from k-means clustering) colore...
```

A visualization goal

index int	3
question str	"What is the distribution of 'Yearly Amount Spent', and can we identify distinct customer segments based on this distribution and other key metrics?"
rationale str	"This uses 'Yearly Amount Spent' and 'Length of Membership' to explore customer spending patterns. A density plot reveals the overall distribution, while clustering helps identify distinct customer segments. Overlaying cluster assignments on the plot visually identifies these segments, and using 'L...
visualization str	"Density plot of 'Yearly Amount Spent' overlaid with potential cluster assignments (e.g., from k-means clustering) colored differently. The plot could also include additional dimensions by showing different density plots for different values of 'Length of Membership'."

✷ Insight 4:

```
main() Goal Goal(question="How does the distribution of 'Time on App' and 'Time on Website' change as 'Length of Membership' increases?", visualization="Two separate line graphs showing the average 'Time on App' and average 'Time on Website' across different bins of 'Length of Membership'.", rationale="This vis...
```

A visualization goal

index int	4
question str	"How does the distribution of 'Time on App' and 'Time on Website' change as 'Length of Membership' increases?"
rationale str	"This visualization leverages 'Time on App', 'Time on Website', and 'Length of Membership'. Line graphs effectively show trends over time (in this case, membership length). Separate graphs for app and website time allow a direct comparison of how engagement with each platform evolves with increasi...

visualization str	"Two separate line graphs showing the average 'Time on App' and average 'Time on Website' across different bins of 'Length of Membership'."

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