- Home
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- 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

0.30

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.

	Email	Address	Avatar
0	mstephenson@fernandez.com	835 Frank Tunnel Wrightmouth, MI 82180-9605	Violet
1	hduke@hotmail.com	4547 Archer Common Diazchester, CA 06566-8576	DarkGreen
2	pallen@yahoo.com	24645 Valerie Unions Suite 582 Cobbborough, DC 99414-7564	Bisque
3	riverarebecca@gmail.com	1414 David Throughway Port Jason, OH 22070-1220	SaddleBrown
4	mstephens@davidson-herman.com	14023 Rodriguez Passage Port Jacobville, PR 37242-1057	MediumAquaMarine

No missing or duplicate values found in the data.

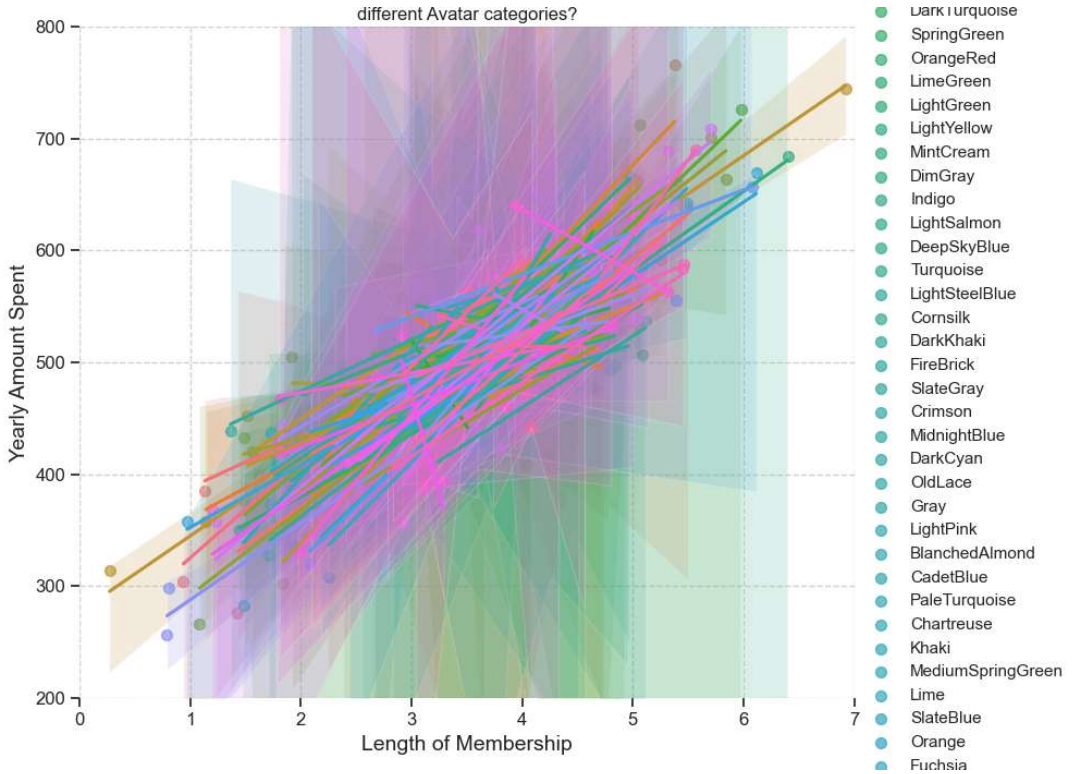
Generate Charts

✷ Insight 0:

main() Goal Goal(question="What is the correlation between 'Length of Membership' and 'Yearly Amount Spent', and how does this relationship vary across different 'Avatar' categories?", visualization="Scatter plot matrix of 'Length of Membership' vs. 'Yearly Amount Spent', with points colored by 'Avatar'. A sep...

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 vary across different 'Avatar' categories?"
rationale str	"This visualization will reveal the strength and direction of the correlation between membership length and yearly spending. Color-coding by 'Avatar' will identify potential differences in spending patterns based on the avatar type, allowing for a more nuanced understanding of customer behavior and...
visualization str	"Scatter plot matrix of 'Length of Membership' vs. 'Yearly Amount Spent', with points colored by 'Avatar'. A separate regression line could be added for each Avatar category."



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VizOps

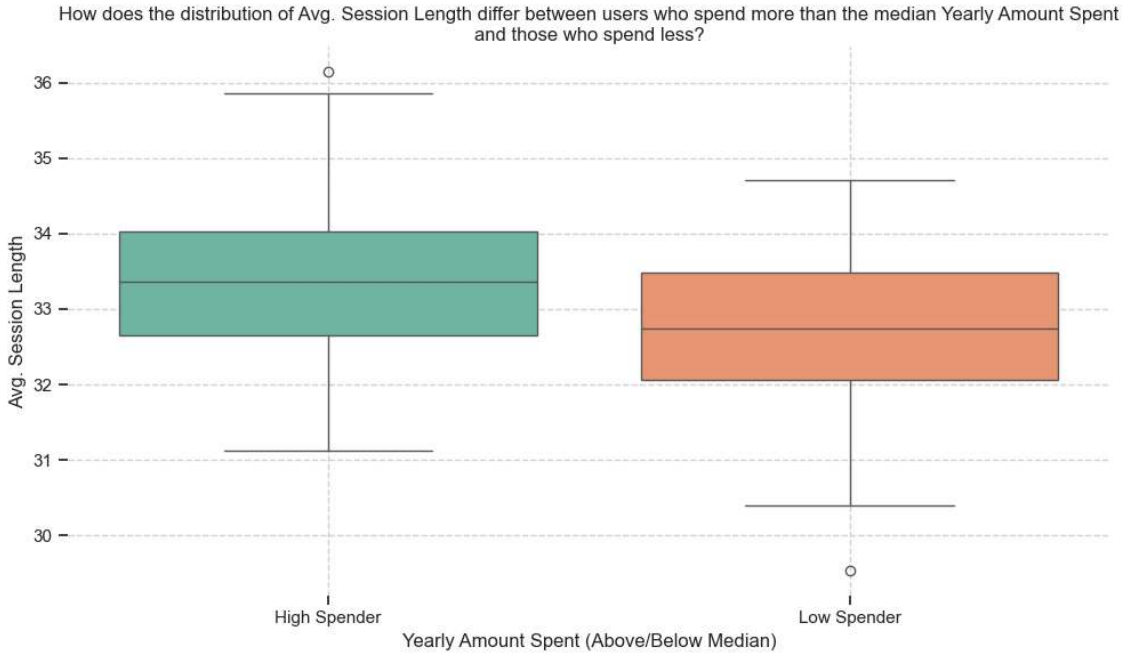
✷ Insight 1:

```
main() Goal Goal(question="How does the distribution of 'Avg. Session Length' differ between users who spend more than the median 'Yearly Amount Spent' and those who spend less?", visualization="Box plot comparing 'Avg. Session Length' for users grouped by whether their 'Yearly Amount Spent' is above or below t...
```

A visualization goal

index int	1
question str	"How does the distribution of 'Avg. Session Length' differ between users who spend more than the median 'Yearly Amount Spent' and those

	who spend less?"
rationale str	"This will show if there's a significant difference in average session length between high and low spenders. A box plot effectively displays the distribution (median, quartiles, outliers) for each group, allowing for a clear comparison."
visualization str	"Box plot comparing 'Avg. Session Length' for users grouped by whether their 'Yearly Amount Spent' is above or below the median."



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VizOps

✷ Insight 2:

main() Goal Goal(question="Is there a relationship between 'Time on App' and 'Time on Website', and how does this relationship influence 'Yearly Amount Spent'?",

visualization="3D scatter plot with 'Time on App' on one axis, 'Time on Website' on another, and 'Yearly Amount Spent' represented by the size or colo...

A visualization goal

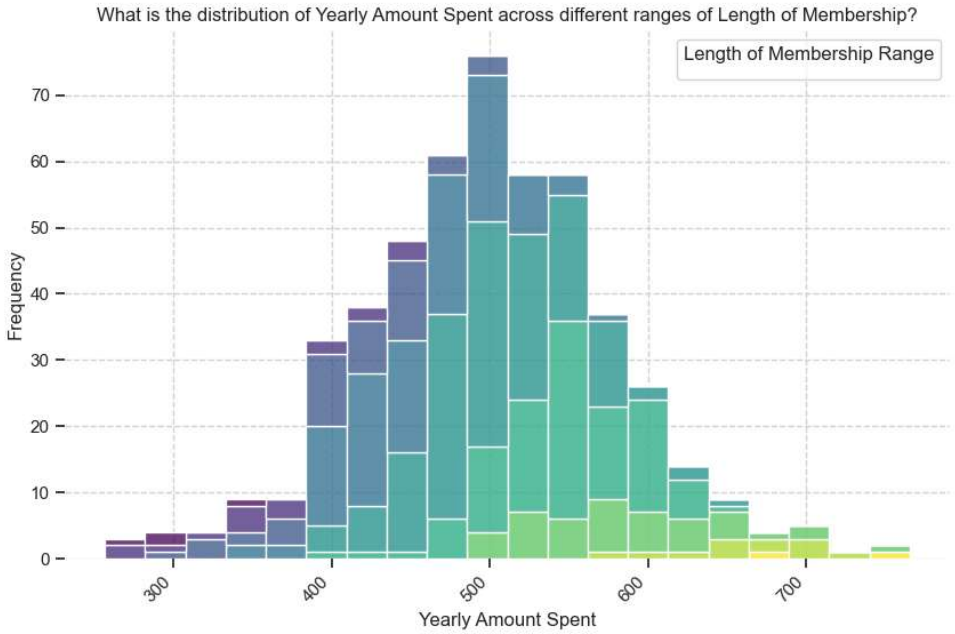
index int	2
question str	"Is there a relationship between 'Time on App' and 'Time on Website', and how does this relationship influence 'Yearly Amount Spent'?"
rationale str	"This 3D visualization helps explore the interaction between time spent on the app, time spent on the website, and yearly spending. The size or color of the points will visually represent the 'Yearly Amount Spent', highlighting potential patterns or clusters."
visualization str	"3D scatter plot with 'Time on App' on one axis, 'Time on Website' on another, and 'Yearly Amount Spent' represented by the size or color of the data points."

✷ Insight 3:

main() Goal Goal(question="What is the distribution of 'Yearly Amount Spent' across different ranges of 'Length of Membership'?", visualization="Histogram of 'Yearly Amount Spent', with the x-axis divided into bins representing ranges of 'Length of Membership'.", rationale='This will show how yearly spending ch...

A visualization goal

index int	3
question str	"What is the distribution of 'Yearly Amount Spent' across different ranges of 'Length of Membership'?"
rationale str	'This will show how yearly spending changes as membership length increases. Using a histogram allows for easy visualization of the distribution of spending within each membership length range.'
visualization str	"Histogram of 'Yearly Amount Spent', with the x-axis divided into bins representing ranges of 'Length of Membership'."



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VizOps

✷ Insight 4:

```
main() Goal Goal(question="Can we identify any clusters of users based on 'Avg. Session Length', 'Time on App', and 'Time on Website' using unsupervised machine learning techniques?", visualization="Scatter plot of the first two principal components derived from PCA applied to 'Avg. Session Length', 'Time on Ap...
```

A visualization goal

index int	4
question str	"Can we identify any clusters of users based on 'Avg. Session Length', 'Time on App', and 'Time on Website' using unsupervised machine learning techniques?"

rationale str	'Principal Component Analysis (PCA) reduces the dimensionality of the data while preserving variance. Clustering algorithms (like k-means) then identify groups of users with similar behavior patterns based on the reduced dimensions. This allows for the identification of distinct user segments for ...
visualization str	"Scatter plot of the first two principal components derived from PCA applied to 'Avg. Session Length', 'Time on App', and 'Time on Website'. Points can be colored based on a clustering algorithm's output (e.g., k-means)."