- 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

heart.csv 32.1KB

Successfully uploaded a CSV file with 886 rows of data.

	e	sex	cp	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	slope	ca	thal	target
0	46	1	0	120	249	0	0	144	0	0.8	2	0	3	0
1	71	0	1	160	302	0	1	162	0	0.4	2	2	2	1
2	71	0	1	160	303	0	1	163	0	0.4	2	2	2	1
3	71	0	1	160	304	0	1	164	0	0.4	2	2	2	1
4	71	0	1	160	305	0	1	165	0	0.4	2	2	2	1

No missing or duplicate values found in the data.

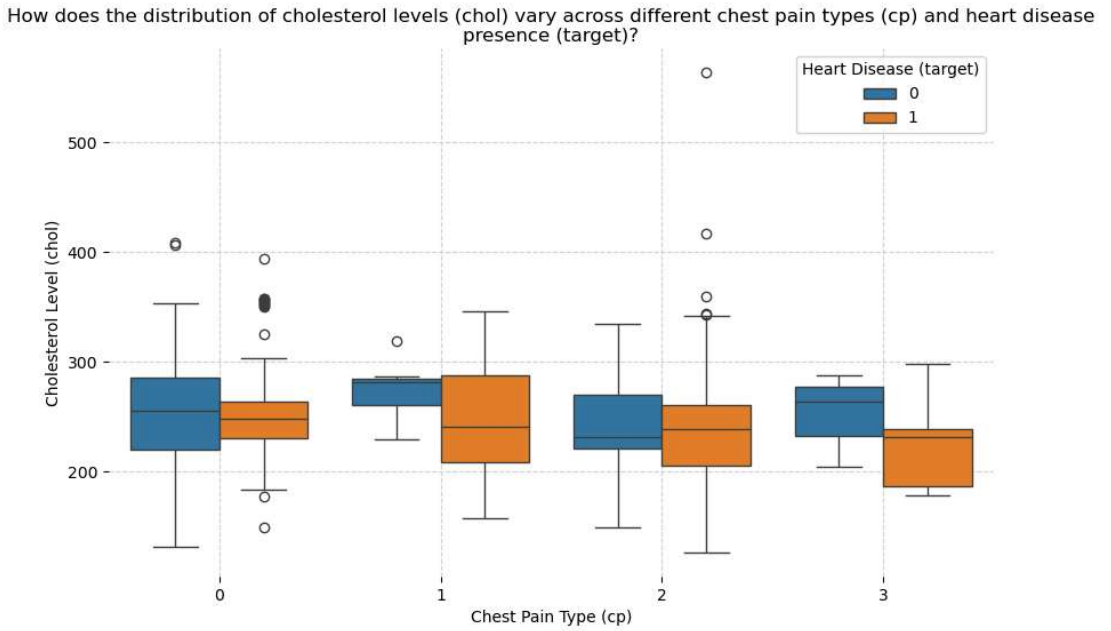
Generate Charts

✷ Insight 0:

`main() Goal Goal(question='How does the distribution of cholesterol levels (chol) vary across different chest pain types (cp) and heart disease presence (target)?', visualization='Box plot of chol against cp, with different colors representing target (0 or 1)', rationale="This visualization uses 'chol', 'cp', a...`

A visualization goal

index int	0
question str	'How does the distribution of cholesterol levels (chol) vary across different chest pain types (cp) and heart disease presence (target)?'
rationale str	"This visualization uses 'chol', 'cp', and 'target' to reveal potential correlations between cholesterol levels, chest pain type, and the presence of heart disease. Box plots effectively show the distribution (median, quartiles, outliers) within each group, allowing for easy comparison across diffe...
visualization str	'Box plot of chol against cp, with different colors representing target (0 or 1)'



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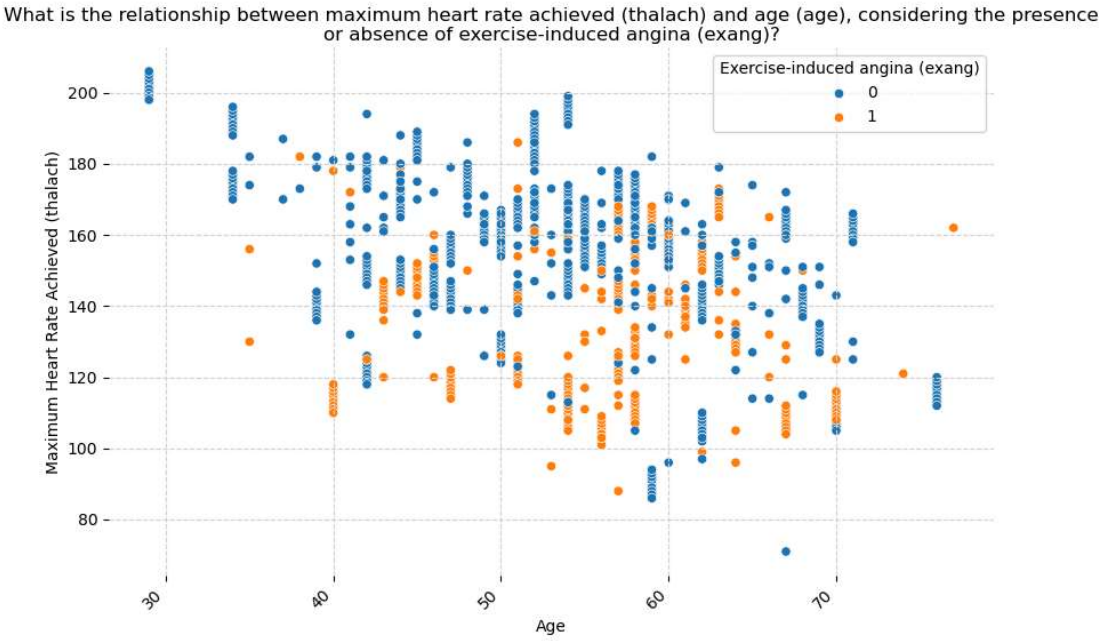
VizOps

✷ Insight 1:

```
main() Goal Goal(question='What is the relationship between maximum heart rate achieved (thalach) and age (age), considering the presence or absence of exercise-induced angina (exang)?', visualization='Scatter plot of thalach against age, with different colors representing exang (0 or 1)', rationale="This uses ...
```

A visualization goal

index int	1
question str	'What is the relationship between maximum heart rate achieved (thalach) and age (age), considering the presence or absence of exercise-induced angina (exang)?'
rationale str	"This uses 'thalach', 'age', and 'exang' to investigate the impact of age and exercise-induced angina on maximum heart rate. A scatter plot reveals potential trends and correlations, while using color to differentiate exang allows for easier interpretation of the data's subgroups."
visualization str	'Scatter plot of thalach against age, with different colors representing exang (0 or 1)'



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VizOps

✷ Insight 2:

`main()` Goal Goal(question='How does the number of major vessels (ca) colored by fluoroscopy relate to the presence (target) of heart disease, stratified by sex (sex)?', visualization="Grouped bar chart showing the count of 'ca' for each value, grouped by 'target' (0 or 1) and further separated by 'sex' (0 or 1)...

A visualization goal

index int	2
question str	'How does the number of major vessels (ca) colored by fluoroscopy relate to the presence (target) of heart disease, stratified by sex (sex)?'

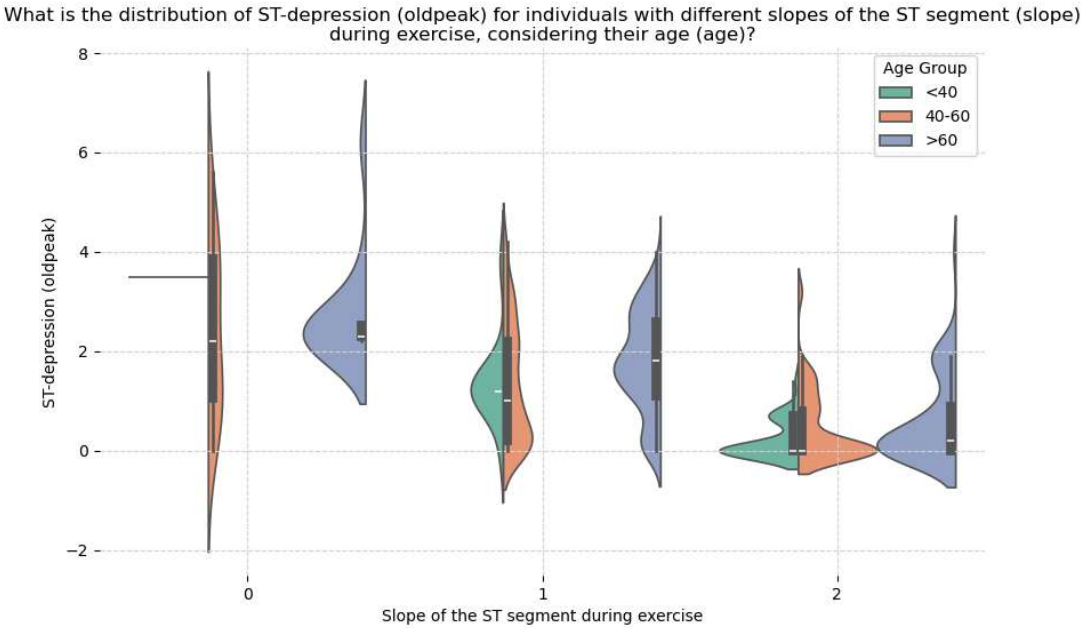
rationale str	"This visualization uses 'ca', 'target', and 'sex' to determine whether the number of major vessels is a significant predictor of heart disease, considering sex as a factor. A grouped bar chart effectively compares the counts of 'ca' across different groups, providing insights into potential differ...
visualization str	"Grouped bar chart showing the count of 'ca' for each value, grouped by 'target' (0 or 1) and further separated by 'sex' (0 or 1)"

✷ Insight 3:

main() Goal Goal(question='What is the distribution of ST-depression (oldpeak) for individuals with different slopes of the ST segment (slope) during exercise, considering their age (age)?', visualization='Violin plot of oldpeak against slope, with different colors representing age ranges (e.g., <40, 40-60, >60...

A visualization goal

index int	3
question str	'What is the distribution of ST-depression (oldpeak) for individuals with different slopes of the ST segment (slope) during exercise, considering their age (age)?'
rationale str	"This analysis uses 'oldpeak', 'slope', and 'age' to explore the relationship between ST-depression, ST-segment slope, and age. Violin plots effectively display the distribution of 'oldpeak' for different values of 'slope' and age groups, revealing potential patterns and variations."
visualization str	'Violin plot of oldpeak against slope, with different colors representing age ranges (e.g., <40, 40-60, >60)'



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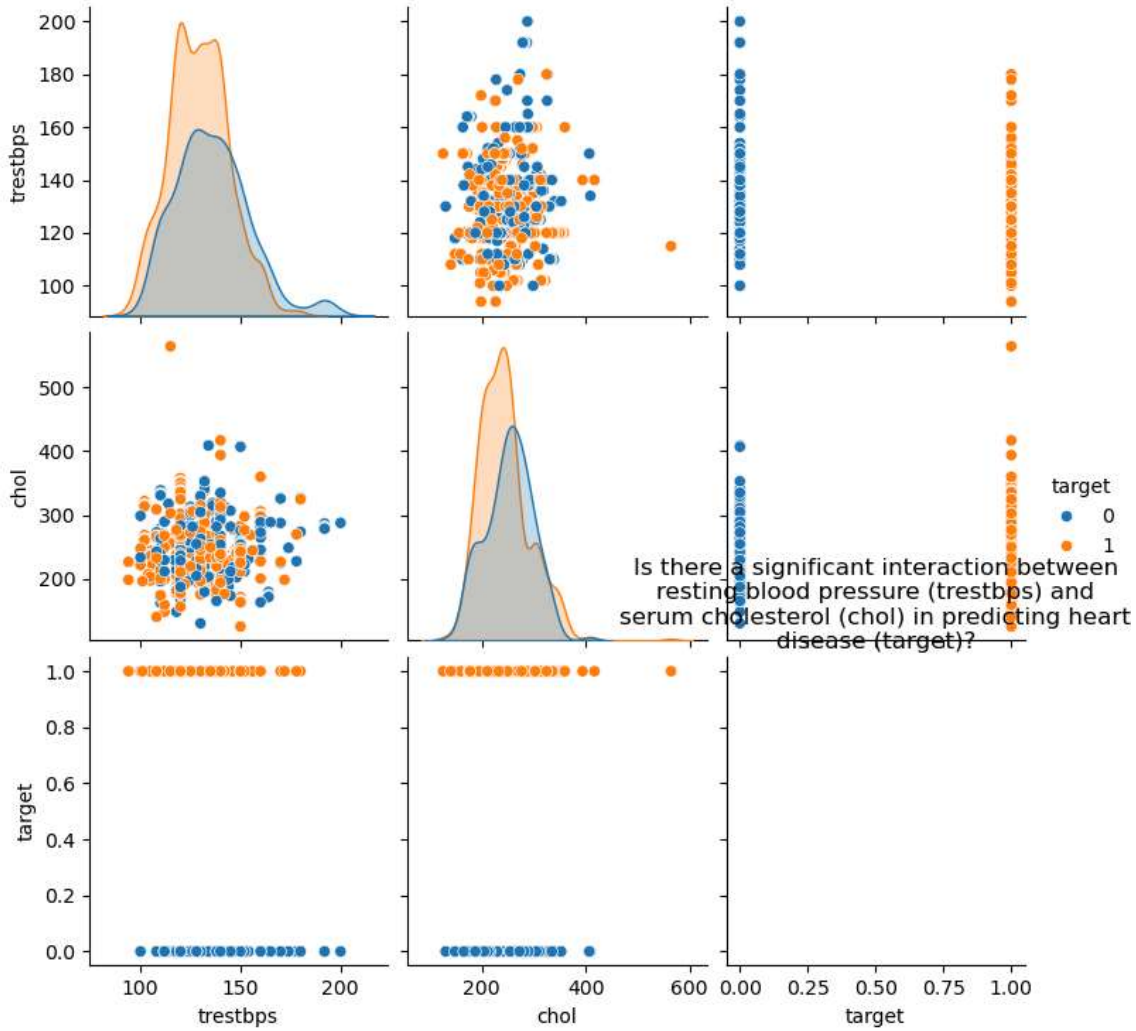
✷ Insight 4:

```
main() Goal Goal(question='Is there a significant interaction between resting blood pressure (trestbps) and serum cholesterol (chol) in predicting heart disease (target)?', visualization='Scatter plot matrix of trestbps, chol, and target, with color-coding for target values', rationale="This visualization uses ...
```

A visualization goal

index int	4
question str	'Is there a significant interaction between resting blood pressure (trestbps) and serum cholesterol (chol) in predicting heart disease (target)?'

rationale str	"This visualization uses 'trestbps', 'chol', and 'target' to assess the individual and combined effects of these variables on heart disease prediction. A scatter plot matrix displays all pairwise scatter plots simultaneously, allowing for a comprehensive understanding of the relationships and potent...
visualization str	'Scatter plot matrix of trestbps, chol, and target, with color-coding for target values'



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