NTViz

🏠 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

0.70

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

📄 cars.csv 29.1KB ✕
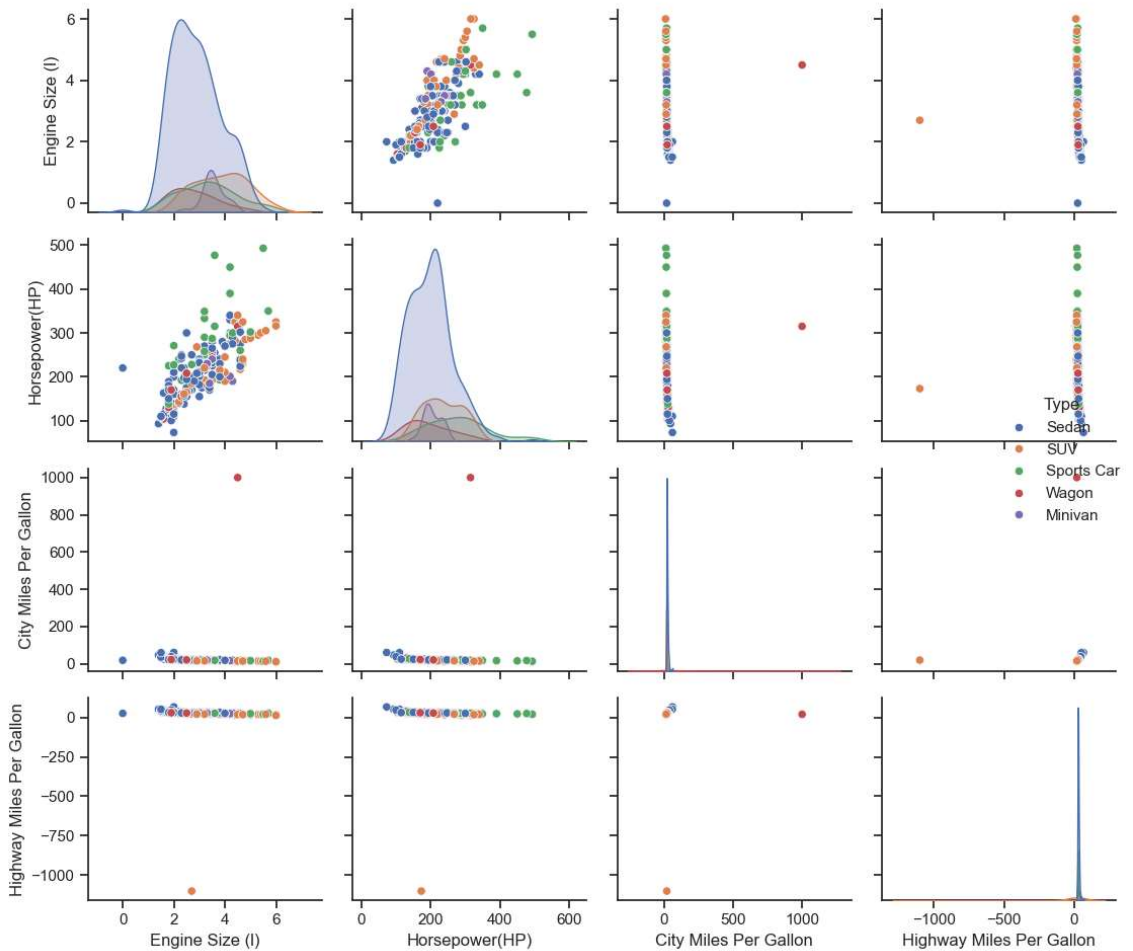
Successfully uploaded a CSV file with 387 rows of data.

	Name	Type	AWD	RWD	Retail Price	Dealer Cost	Engine Size (l)	Cyl	Horse
0	Acura 3.5 RL 4dr	Sedan	0	0	43,755	39,014	3.5	6	
1	Acura 3.5 RL w/Navigation 4dr	Sedan	0	0	46,100	41,100	3.5	6	
2	Acura MDX	SUV	1	0	36,945	33,337	3.5	6	
3	Acura NSX coupe 2dr manual S	Sports Car	0	1	89,765	79,978	3.2	6	
4	Acura RSX Type S 2dr	Sedan	0	0	23,820	21,761	2	4	

No missing or duplicate values found in the data.

Generate Charts

✴ Insight 0:

```
main() Goal Goal(question='How does engine size relate to horsepower and fuel efficiency
(city and highway)?', visualization="Scatter plot matrix showing the relationship
between 'Engine Size (l)', 'Horsepower(HP)', 'City Miles Per Gallon', and 'Highway Miles
Per Gallon'", rationale='This visualization will rev...
```

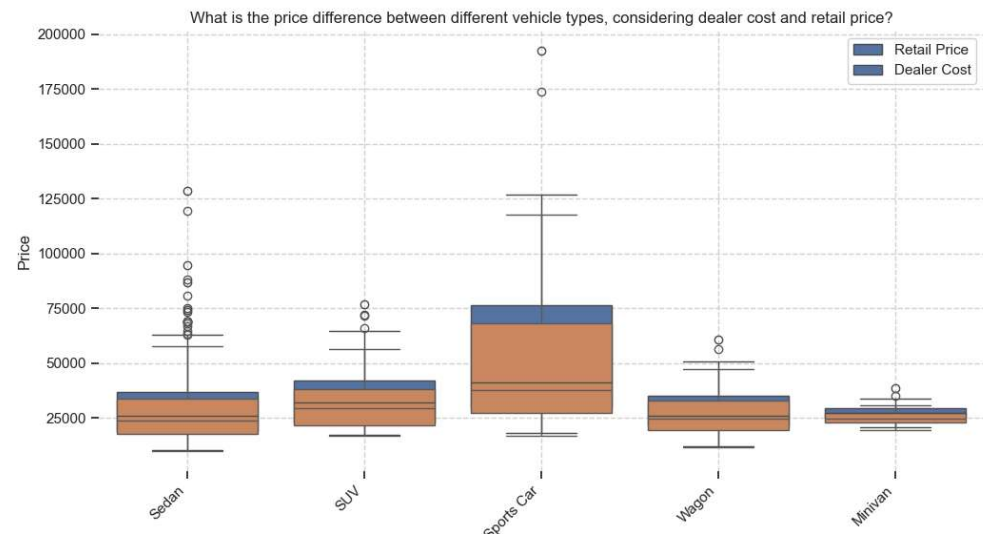| A visualization goal	
index int	0
question str	'How does engine size relate to horsepower and fuel efficiency (city and highway)?'
rationale str	'This visualization will reveal correlations between engine size and performance metrics. We can observe if larger engines lead to higher horsepower but lower fuel efficiency, and the strength of these relationships.'
visualization str	"Scatter plot matrix showing the relationship between 'Engine Size (l)', 'Horsepower(HP)', 'City Miles Per Gallon', and 'Highway Miles Per Gallon'"

˚⋆ʕっ•ᴥ•ʔっ Download Chart ˚⋆

⚙ VizOps ⌄

✴ Insight 1:

```
main() Goal Goal(question='What is the price difference between different vehicle types,
considering dealer cost and retail price?', visualization="Box plot comparing 'Retail
```

Price' and 'Dealer Cost' for each 'Type' of vehicle.", rationale='This will show the
price distribution and potential profit margins for ...

A visualization goal

index int	1
question str	'What is the price difference between different vehicle types, considering dealer cost and retail price?'
rationale str	'This will show the price distribution and potential profit margins for each vehicle type. We can identify which types are most expensive and compare their retail price to dealer cost.'
visualization str	"Box plot comparing 'Retail Price' and 'Dealer Cost' for each 'Type' of vehicle."

What is the price difference between different vehicle types, considering dealer cost and retail price?
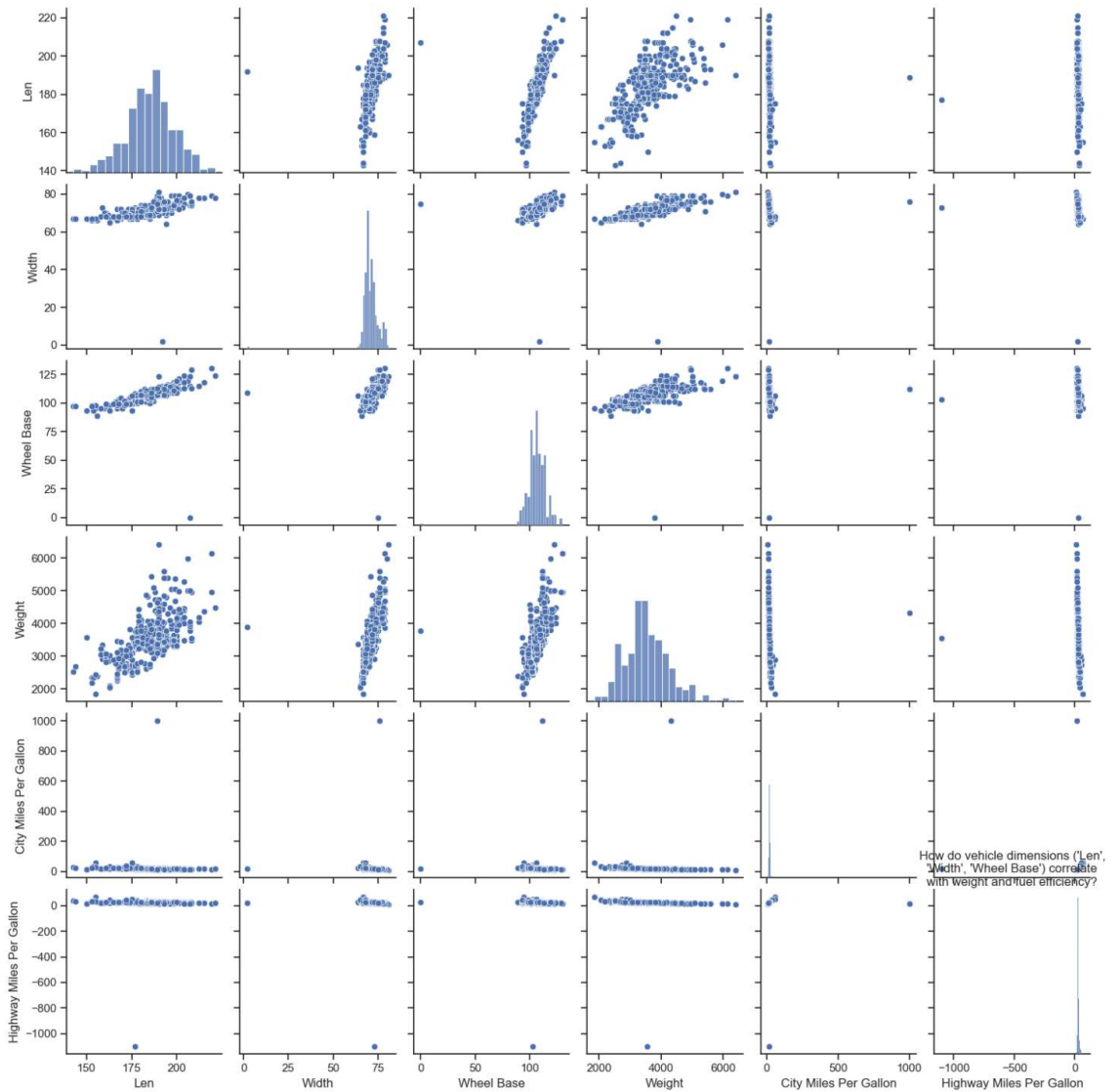
˚⋆ʕつ•ᴥ•ʔつ Download Chart ˚⋆

⚙ VizOps ⌄

✷ Insight 2:

```
main() Goal Goal(question="How do vehicle dimensions ('Len', 'Width', 'Wheel Base')
correlate with weight and fuel efficiency?", visualization="Scatter plot matrix showing
correlations between 'Len', 'Width', 'Wheel Base', 'Weight', 'City Miles Per Gallon',
and 'Highway Miles Per Gallon'.", rationale='This help...
```

A visualization goal

index int	2
question str	"How do vehicle dimensions ('Len', 'Width', 'Wheel Base') correlate with weight and fuel efficiency?"
rationale str	'This helps understand the impact of vehicle size and weight on fuel consumption. We can identify if larger vehicles are consistently less fuel-efficient.'
visualization str	"Scatter plot matrix showing correlations between 'Len', 'Width', 'Wheel Base', 'Weight', 'City Miles Per Gallon', and 'Highway Miles Per Gallon'."

How do vehicle dimensions ('Len', 'Width', 'Wheel Base') correlate with weight and fuel efficiency?

˚★彡つ•ƻ•?つ Download Chart ˚★

⚙ VizOps ⌄

✴ Insight 3:

main() Goal Goal(question="What is the distribution of horsepower across different
numbers of cylinders ('Cyl')?", visualization="Box plot of 'Horsepower(HP)' grouped by
'Cyl'.", rationale='This visualizes the relationship between the number of cylinders and
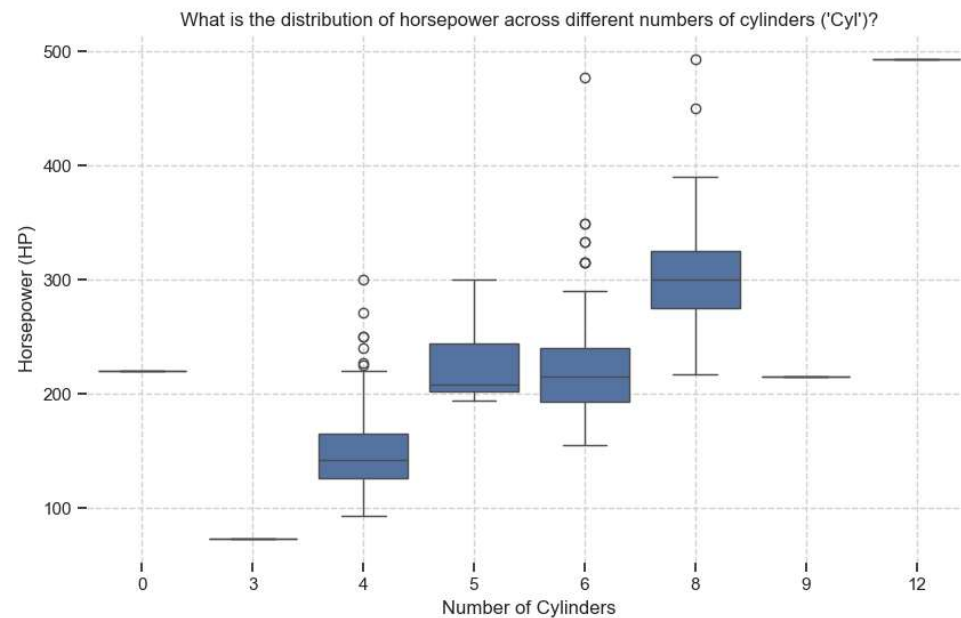horsepower. We can see if more cylinders generally co...

A visualization goal	
index int	3
question str	"What is the distribution of horsepower across different numbers of cylinders ('Cyl')?"
rationale str	'This visualizes the relationship between the number of cylinders and horsepower. We can see if more cylinders generally correlate with higher horsepower, and the variability within each cylinder count.'
visualization str	"Box plot of 'Horsepower(HP)' grouped by 'Cyl'."

What is the distribution of horsepower across different numbers of cylinders ('Cyl')?
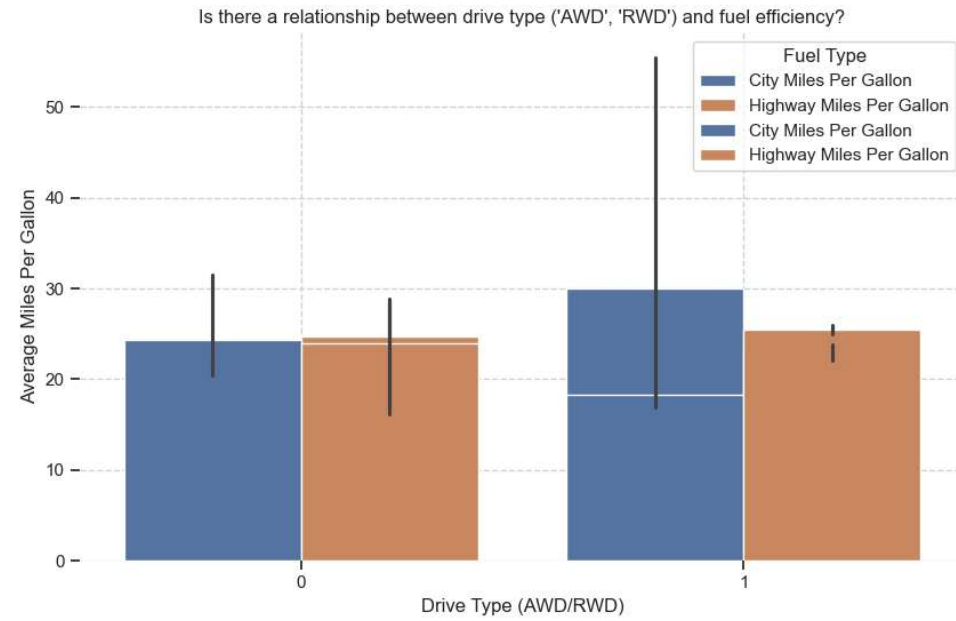

°⋆ʕっ•ᴥ•ʔっ Download Chart °⋆

⚙ VizOps ⌄

✴ Insight 4:

```
main() Goal Goal(question="Is there a relationship between drive type ('AWD', 'RWD') and
fuel efficiency?", visualization="Bar chart comparing the average 'City Miles Per
Gallon' and 'Highway Miles Per Gallon' for vehicles with 'AWD' = 1, 'AWD' = 0, 'RWD' =
1, and 'RWD' = 0.", rationale='This will determine if ...
```

A visualization goal	
index int	4
question str	"Is there a relationship between drive type ('AWD', 'RWD') and fuel efficiency?"
rationale str	'This will determine if all-wheel drive (AWD) or rear-wheel drive (RWD) vehicles show significantly different fuel economy compared to other configurations. We will need to account for potential confounding factors like vehicle weight and engine size in further analysis.'
visualization str	"Bar chart comparing the average 'City Miles Per Gallon' and 'Highway Miles Per Gallon' for vehicles with 'AWD' = 1, 'AWD' = 0, 'RWD' = 1, and 'RWD' = 0."

˚⋆ʕつ•ɞ•ʔつ Download Chart ˚⋆

⚙ VizOps ⌄