

[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

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Instruction: ▾

Temperature

0.00

0.70

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



avocado.csv 1.9MB



Successfully uploaded a CSV file with 18249 rows of data.

	Unnamed: 0	Date	AveragePrice	Total Volume	4046	4225	4770	Total Bags	Small Bags	La
0	0	2015-12-27	1.33	64,236.62	1,036.74	54,454.85	48.16	8,696.87	8,603.62	
1	1	2015-12-20	1.35	54,876.98	674.28	44,638.81	58.33	9,505.56	9,408.07	
2	2	2015-12-13	0.93	118,220.22	794.7	109,149.67	130.5	8,145.35	8,042.21	
3	3	2015-12-06	1.08	78,992.15	1,132	71,976.41	72.58	5,811.16	5,677.4	
4	4	2015-11-29	1.28	51,039.6	941.48	43,838.39	75.78	6,183.95	5,986.26	

No missing or duplicate values found in the data.

✱ **Insight 0:**

A visualization goal

```
visualization str "Line chart of 'AveragePrice' over 'Date', grouped by 'type'"
```



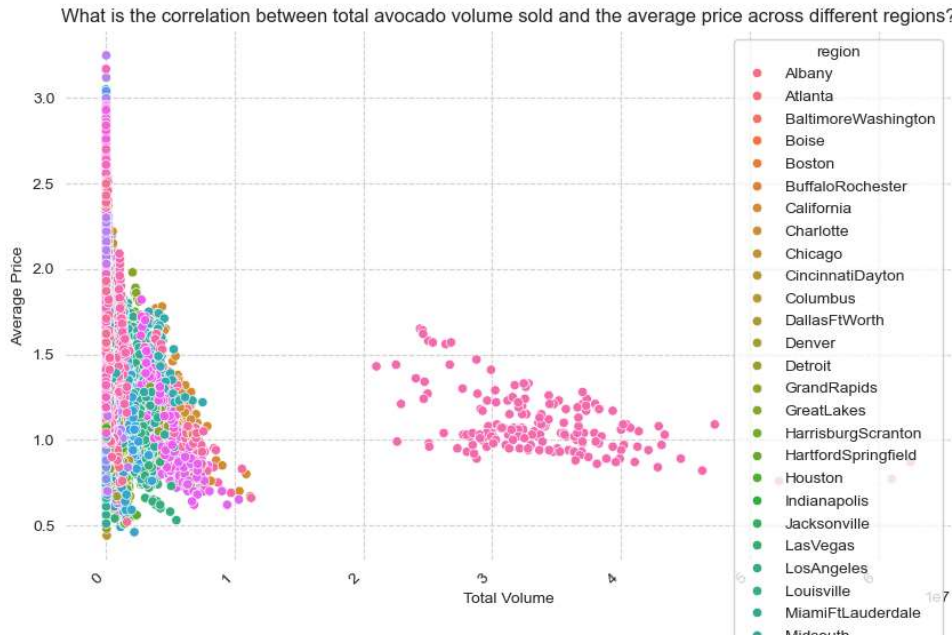
2/7

✳ Insight 1:

```
main() Goal Goal(question='What is the correlation between total avocado volume sold and the average price across different regions?', visualization="Scatter plot of 'Total Volume' vs. 'AveragePrice', with points colored by 'region'", rationale="This helps understand if higher volumes correlate with lower price...")
```

A visualization goal

index	int	1
question	str	'What is the correlation between total avocado volume sold and the average price across different regions?'
rationale	str	"This helps understand if higher volumes correlate with lower prices (supply and demand) and how this varies across different regions. 'Total Volume' and 'AveragePrice' are plotted on the x and y axes respectively, and the color of each point represents the 'region', allowing for regional compariso..."
visualization	str	"Scatter plot of 'Total Volume' vs. 'AveragePrice', with points colored by 'region'"



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✳ Insight 2:

```
main() Goal Goal(question="What is the distribution of avocado sales across different bag sizes ('Small Bags', 'Large Bags', 'XLarge Bags') over time?", visualization="Stacked area chart showing 'Small Bags', 'Large Bags', and 'XLarge Bags' over 'Date'", rationale="This will illustrate the changing proportions ...
```

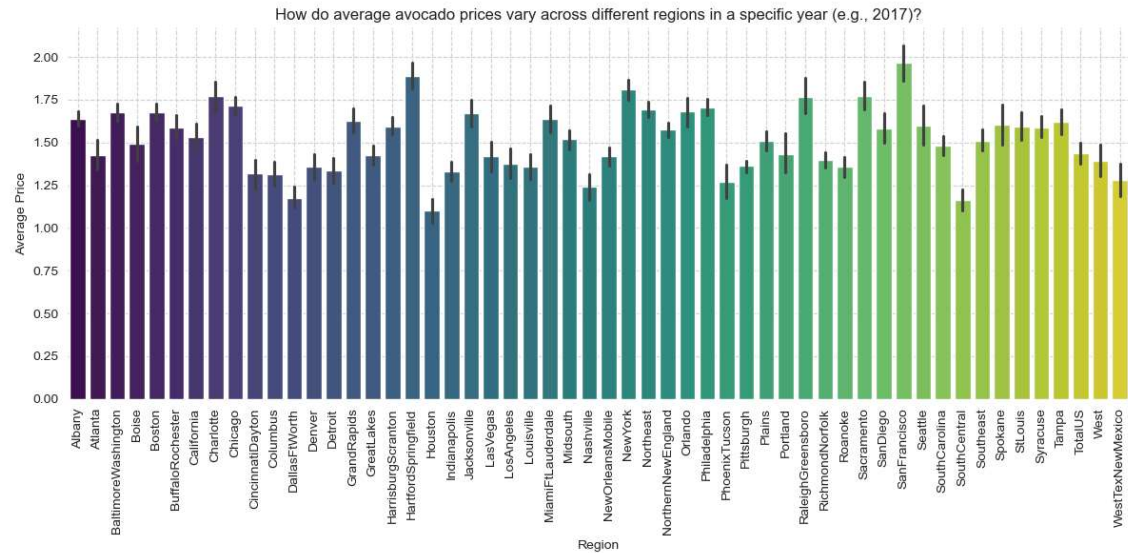
A visualization goal

index	int	2
question	str	"What is the distribution of avocado sales across different bag sizes ('Small Bags', 'Large Bags', 'XLarge Bags') over time?"
rationale	str	"This will illustrate the changing proportions of avocado sales across different bag sizes. Using 'Date' on the x-axis and the sum of 'Small

	Bags', 'Large Bags', and 'XLarge Bags' as the y-axis, stacked areas will clearly show the relative contribution of each bag size to the total volume over time...
visualization str	"Stacked area chart showing 'Small Bags', 'Large Bags', and 'XLarge Bags' over 'Date'"

✳ Insight 3:

main() Goal Goal(question='How do average avocado prices vary across different regions in a specific year (e.g., 2017)?', visualization="Bar chart of 'AveragePrice' for each 'region', filtered for 'year' = 2017", rationale="This allows for a direct comparison of average prices across different regions in a give...")	
A visualization goal	
index int	3
question str	'How do average avocado prices vary across different regions in a specific year (e.g., 2017)?'
rationale str	"This allows for a direct comparison of average prices across different regions in a given year. The x-axis will represent 'region', the y-axis 'AveragePrice', and the chart will only include data where 'year' is 2017. This helps identify regional price variations."
visualization str	"Bar chart of 'AveragePrice' for each 'region', filtered for 'year' = 2017"



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Insight 4:

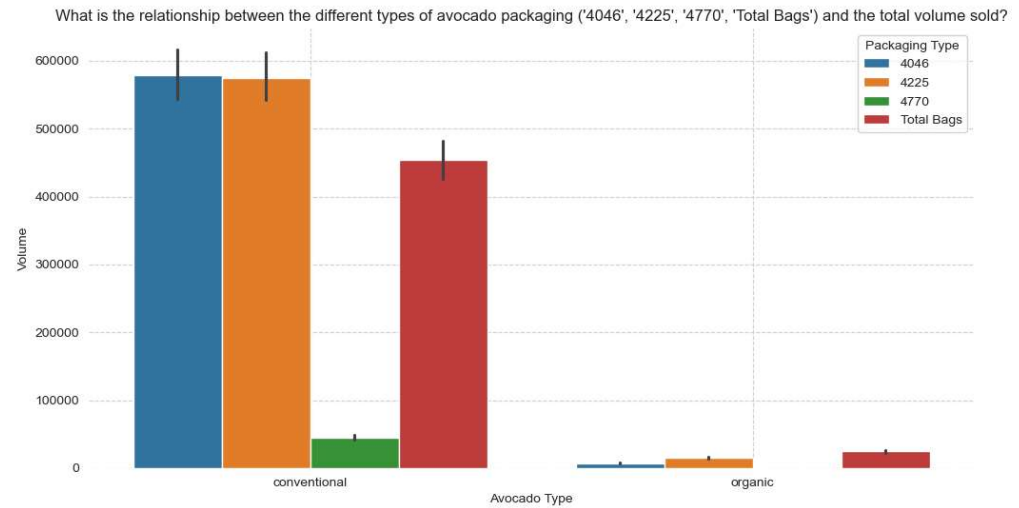
```
main() Goal Goal(question="What is the relationship between the different types of
avocado packaging ('4046', '4225', '4770', 'Total Bags') and the total volume sold?",
visualization="Grouped bar chart of '4046', '4225', '4770', and 'Total Bags' for each
'type' of avocado", rationale="This visualization will re...
```

A visualization goal

index	int	4
question	str	"What is the relationship between the different types of avocado packaging ('4046', '4225', '4770', 'Total Bags') and the total volume sold?"
rationale	str	"This visualization will reveal the relative contribution of each packaging type to the total volume for both conventional and organic avocados. The x-axis represents avocado 'type', and the y-axis represents the volume of each packaging type ('4046', '4225', '4770', 'Total Bags'). Grouping the ba...

visualization `str`

"Grouped bar chart of '4046', '4225', '4770', and 'Total Bags' for each 'type' of avocado"

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