

[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

0.00

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



barley.csv 3.8KB



Successfully uploaded a CSV file with 120 rows of data.

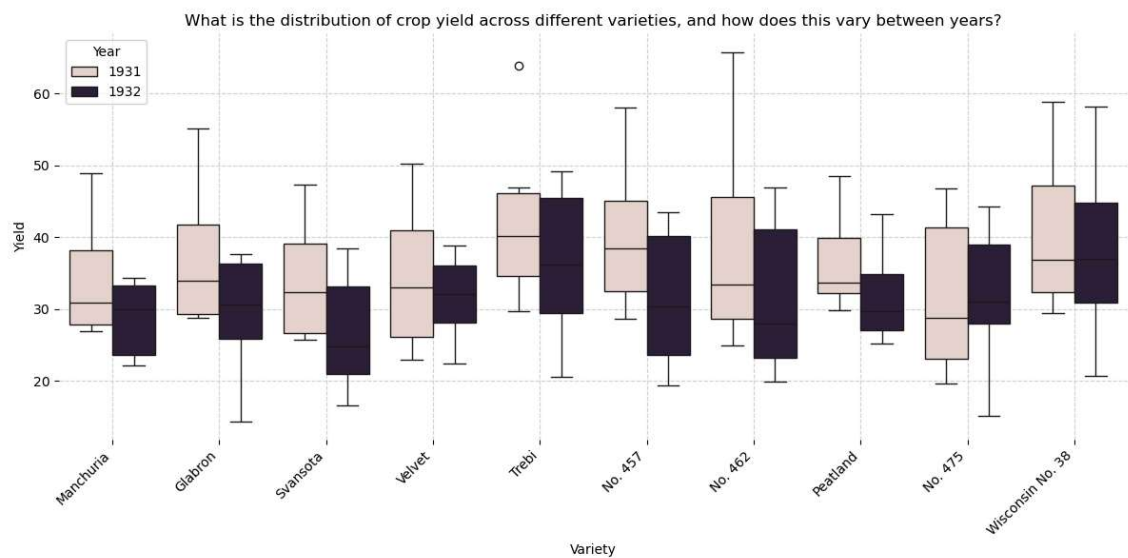
	yield	variety	year	site
0	27	Manchuria	1,931	University Farm
1	48.8667	Manchuria	1,931	Waseca
2	27.4333	Manchuria	1,931	Morris
3	39.9333	Manchuria	1,931	Crookston
4	32.9667	Manchuria	1,931	Grand Rapids

No missing or duplicate values found in the data.

Generate Charts

✳ Insight 0:

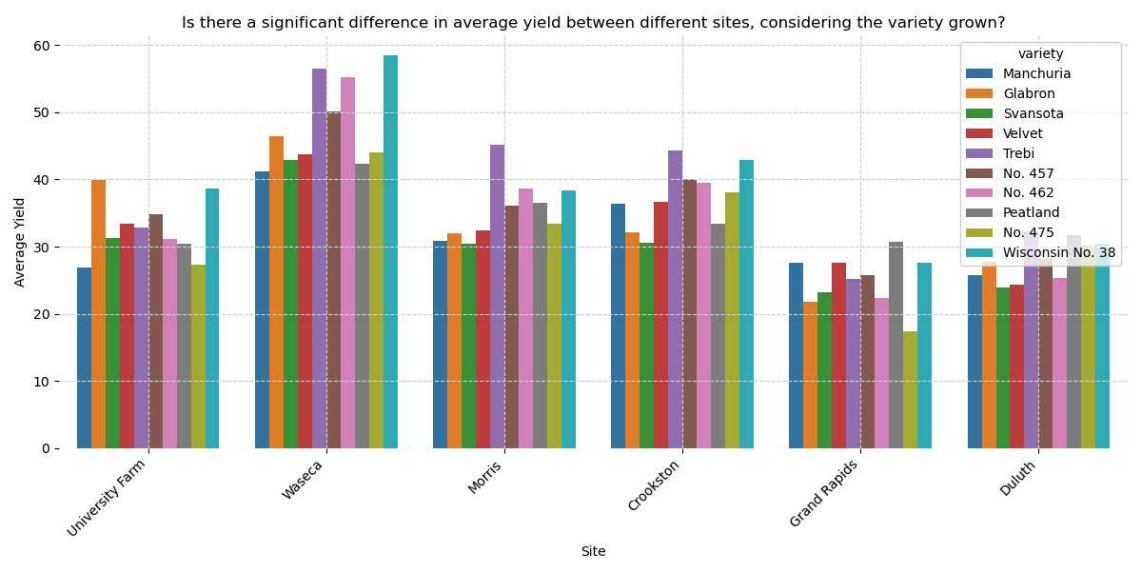
<pre>main() Goal Goal(question='What is the distribution of crop yield across different varieties, and how does this vary between years?', visualization="Box plot of 'yield' grouped by 'variety' and further separated by 'year'", rationale="This visualization uses 'yield', 'variety', and 'year' to compare the central...</pre>	
A visualization goal	
index int	0
question str	'What is the distribution of crop yield across different varieties, and how does this vary between years?'
rationale str	"This visualization uses 'yield', 'variety', and 'year' to compare the central tendency, spread, and potential outliers of yield for each variety across the two years. It reveals if certain varieties consistently outperform others and if yield is significantly affected by year-to-year variations."
visualization str	"Box plot of 'yield' grouped by 'variety' and further separated by 'year'"



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✱ Insight 1:

<pre>main() Goal Goal(question='Is there a significant difference in average yield between different sites, considering the variety grown?', visualization="Bar chart showing the average 'yield' for each 'site' further broken down by 'variety'", rationale="This uses 'yield', 'site', and 'variety' to compare average y...</pre>	
A visualization goal	
index <code>int</code>	1
question <code>str</code>	'Is there a significant difference in average yield between different sites, considering the variety grown?'
rationale <code>str</code>	"This uses 'yield', 'site', and 'variety' to compare average yield across different sites, accounting for the type of variety grown at each location. This helps determine if certain sites are consistently more productive than others, regardless of the variety."
visualization <code>str</code>	"Bar chart showing the average 'yield' for each 'site' further broken down by 'variety'"

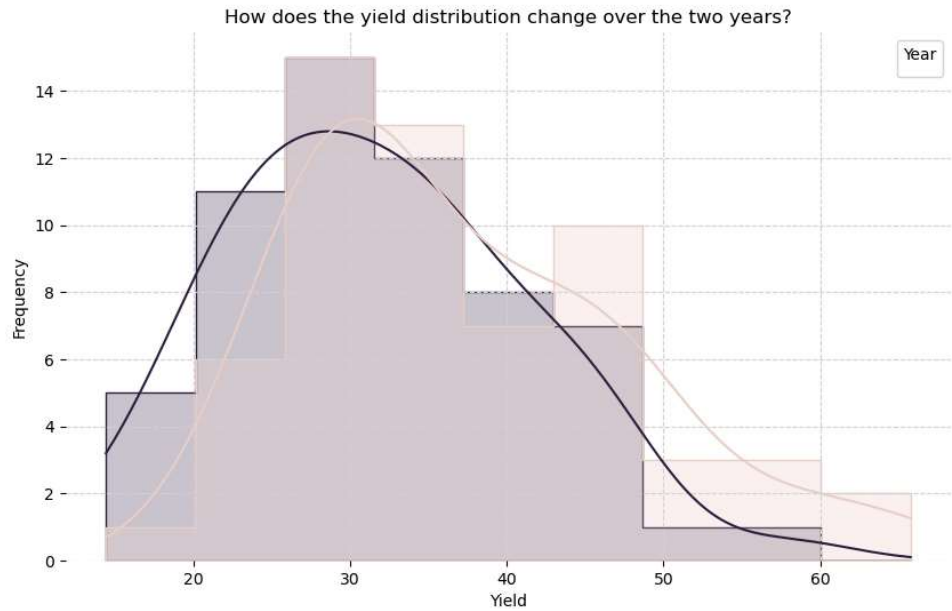


```
main() Goal(goal='How does the yield distribution change over the two years?',
visualization="Overlaid histograms of 'yield' for each 'year'", rationale="This
visualization, using 'yield' and 'year', allows for a direct comparison of the yield
distributions in 1931 and 1932. It helps identify shifts ...")
```

```
index int 2
```

rationale `str` "This visualization, using 'yield' and 'year', allows for a direct comparison of the yield distributions in 1931 and 1932. It helps identify shifts in the overall yield, such as an increase or decrease in average yield or a change in the variability of yields."

```
visualization str "Overlaid histograms of 'yield' for each 'year'"
```



Download Chart

VizOps

✳ Insight 3:

```
main() Goal Goal(question='What is the relationship between yield and variety, considering the influence of site?', visualization="Scatter plot matrix showing the relationship between 'yield' and each categorical variable ('variety' and 'site'), with color-coding for the other categorical variable", rationale="...)
```

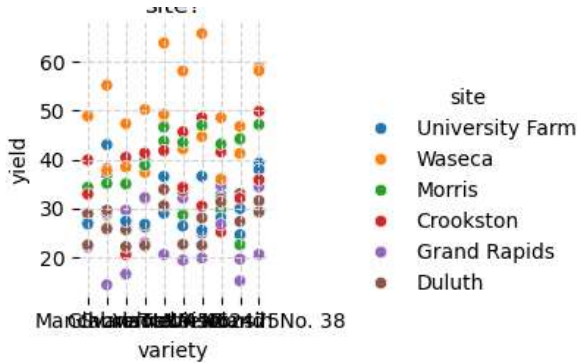
A visualization goal

index	int	3
question	str	'What is the relationship between yield and variety, considering the influence of site?'
rationale	str	"This uses 'yield', 'variety', and 'site' to explore potential correlations. The scatter plot matrix will show the distribution of

yield for each variety and site, highlighting any patterns or relationships between these variables. Color-coding will further reveal interactions."

visualization `str`

"Scatter plot matrix showing the relationship between 'yield' and each categorical variable ('variety' and 'site'), with color-coding for the other categorical variable"



[Download Chart](#)

VizOps

✳️ Insight 4:

```
main() Goal Goal(question='Can we identify any outliers in yield, and are they associated with specific varieties or sites?', visualization="Scatter plot of 'yield' against 'variety', with points colored by 'site' and size representing the yield value, with outlier points clearly marked", rationale="This uses '...")
```

A visualization goal

index <code>int</code>	4
question <code>str</code>	'Can we identify any outliers in yield, and are they associated with specific varieties or sites?'
rationale <code>str</code>	"This uses 'yield', 'variety', and 'site' to visually identify data points with unusually high or low yields. The visualization helps determine if these outliers are concentrated within specific varieties or sites, which could indicate specific factors influencing yield."

visualization `str`

"Scatter plot of 'yield' against 'variety', with points colored by 'site' and size representing the yield value, with outlier points clearly marked"

