- 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

0.00 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

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.

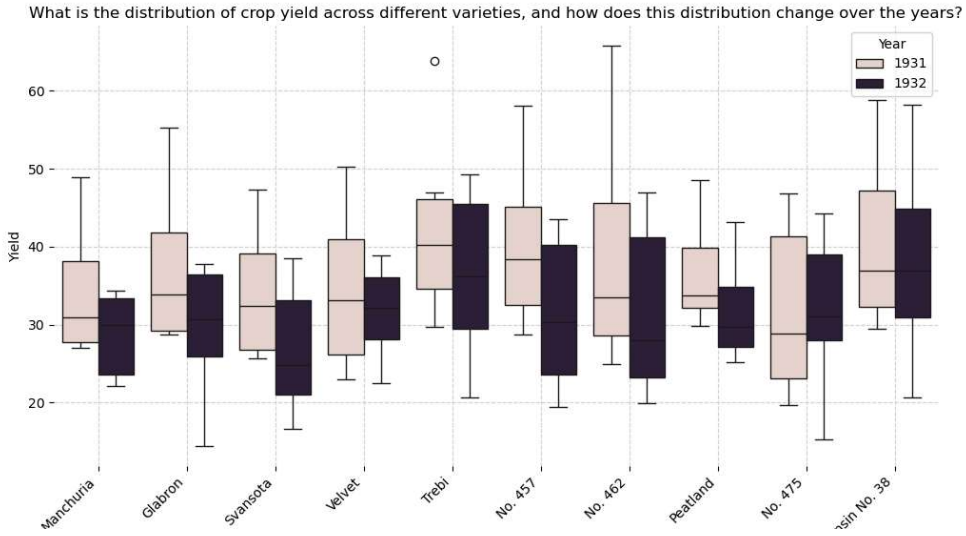
Generate Charts

## ✷ Insight 0:

```
main() Goal Goal(question='What is the distribution of crop yield across different varieties, and how does this distribution change over the years?', visualization="Box plot of 'yield' grouped by 'variety' and faceted by 'year'", rationale="This visualization uses 'yield', 'variety', and 'year' to compare the y...
```

A visualization goal

| | |
|---|---|
| **index** int | 0 |
| **question** str | 'What is the distribution of crop yield across different varieties, and how does this distribution change over the years?' |
| **rationale** str | "This visualization uses 'yield', 'variety', and 'year' to compare the yield distributions of different varieties across the two years. It will reveal if certain varieties consistently outperform others and if there are year-to-year variations in yield for each variety. This helps understand variet... |
| **visualization** str | "Box plot of 'yield' grouped by 'variety' and faceted by 'year'" |

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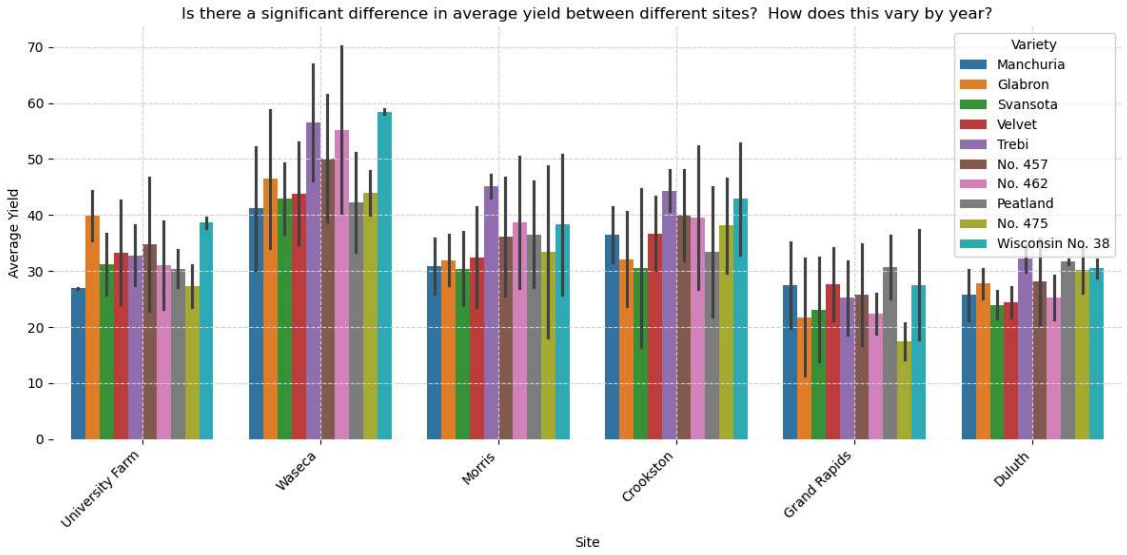
VizOps

## ✷ Insight 1:

`main()` `Goal` `Goal(question='Is there a significant difference in average yield between different sites? How does this vary by year?', visualization="Bar chart showing average 'yield' for each 'site' with error bars representing standard deviation, faceted by 'year'", rationale="This uses 'yield' and 'site', fac...`

A visualization goal

| | |
|---|---|
| **index** `int` | 1 |
| **question** `str` | 'Is there a significant difference in average yield between different sites? How does this vary by year?' |
| **rationale** `str` | "This uses 'yield' and 'site', faceted by 'year', to compare average yields across different sites. Error bars provide a measure of variability. This helps identify high-yielding and low-yielding sites and whether site performance is consistent across years." |
| **visualization** `str` | "Bar chart showing average 'yield' for each 'site' with error bars representing standard deviation, faceted by 'year'" |

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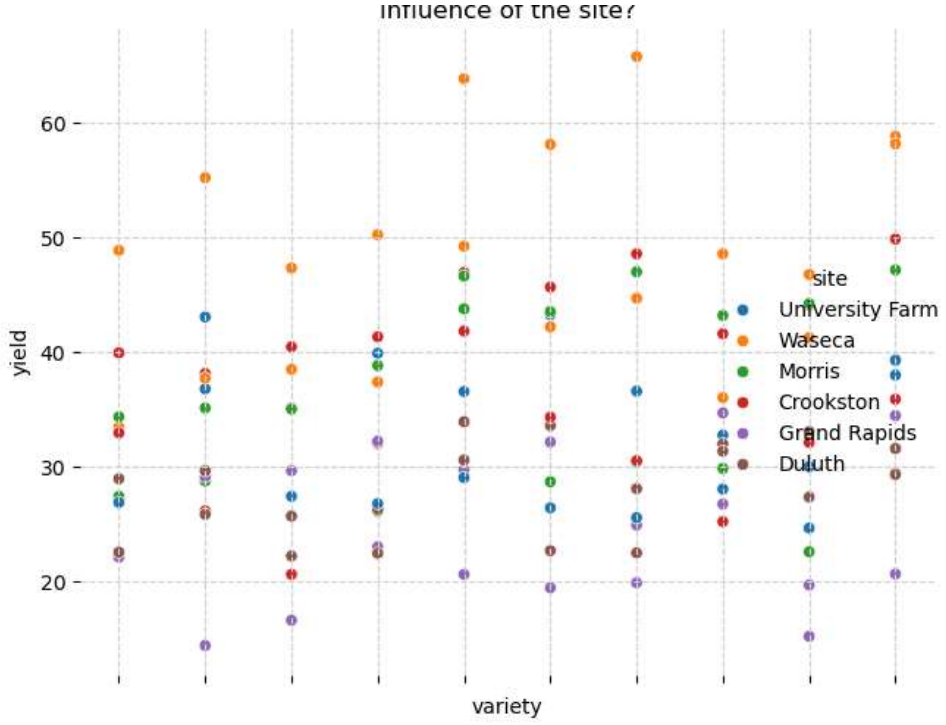
## ✷ Insight 2:

`main() Goal Goal(question='What is the correlation between yield and variety, considering the influence of the site?', visualization="Scatter plot matrix showing the relationship between 'yield' and 'variety' (represented numerically if possible, otherwise using color coding), with points colored by 'site'", ra...`

A visualization goal

| | |
|---|---|
| **index** int | 2 |
| **question** str | 'What is the correlation between yield and variety, considering the influence of the site?' |
| **rationale** str | "This visualization uses 'yield', 'variety', and 'site' to explore the relationship between yield and variety, while accounting for site differences. It will reveal if certain varieties consistently perform better at specific sites. Numerical representation of variety would be ideal for correlatio... |
| **visualization** str | "Scatter plot matrix showing the relationship between 'yield' and 'variety' (represented numerically if possible, otherwise using color coding), with points colored by 'site'" |

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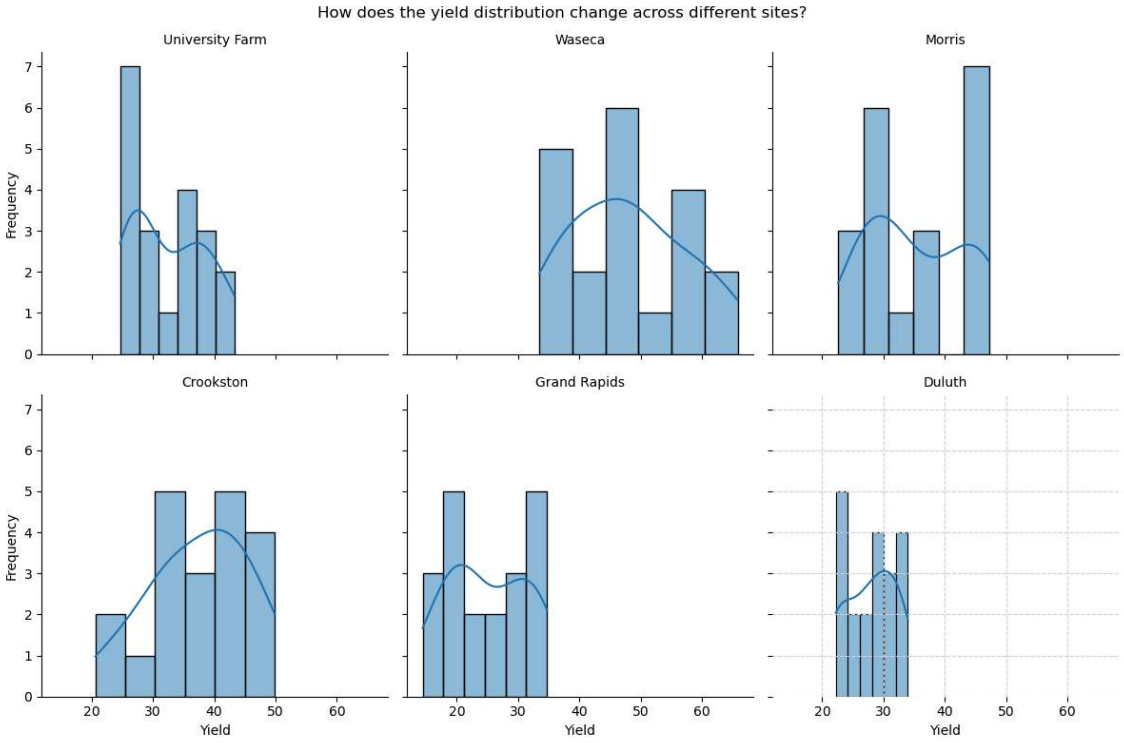
## ✷ Insight 3:

`main() Goal Goal(question='How does the yield distribution change across different sites?', visualization="Histograms of 'yield' for each 'site', displayed side-by-side for comparison.", rationale="This visualization uses 'yield' and 'site' to compare the distribution of yields across different sites. It will ...`

A visualization goal

| | |
|---|---|
| **index** int | 3 |
| **question** str | 'How does the yield distribution change across different sites?' |

| | |
|---|---|
| **rationale** str | "This visualization uses 'yield' and 'site' to compare the distribution of yields across different sites. It will show if the yield distributions are similar or significantly different across sites, providing insights into site-specific factors affecting crop production." |
| **visualization** str | "Histograms of 'yield' for each 'site', displayed side-by-side for comparison." |

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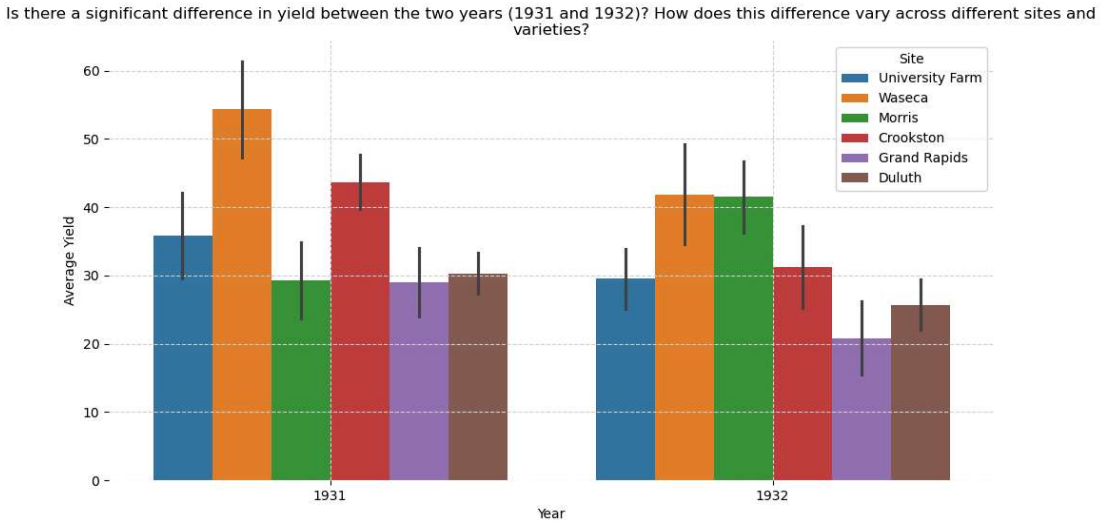
## ✷ Insight 4:

**main()** Goal Goal(question='Is there a significant difference in yield between the two years (1931 and 1932)? How does this difference vary across different sites and

varieties?', visualization="Grouped bar chart showing average 'yield' for each 'year', grouped by 'site' and further subdivided by 'variety' with ...

A visualization goal

| | |
|---|---|
| **index** int | 4 |
| **question** str | 'Is there a significant difference in yield between the two years (1931 and 1932)? How does this difference vary across different sites and varieties?' |
| **rationale** str | "This visualization uses 'yield', 'year', 'site', and 'variety' to compare average yields between 1931 and 1932, considering site and variety differences. Error bars show variability. This helps determine if there's a consistent year-to-year effect and how it interacts with site and variety." |
| **visualization** str | "Grouped bar chart showing average 'yield' for each 'year', grouped by 'site' and further subdivided by 'variety' with error bars representing standard deviation." |

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