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- 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

weather.csv 118.6KB

Successfully uploaded a CSV file with 2922 rows of data.

	location	date	precipitation	temp_max	temp_min	wind	weather
0	Seattle	2012-01-01	0	12.8	5	4.7	drizzle
1	Seattle	2012-01-02	10.9	10.6	2.8	4.5	rain
2	Seattle	2012-01-03	0.8	11.7	7.2	2.3	rain
3	Seattle	2012-01-04	20.3	12.2	5.6	4.7	rain
4	Seattle	2012-01-05	1.3	8.9	2.8	6.1	rain

No missing or duplicate values found in the data.

Generate Charts

✷ Insight 0:

`main() Goal Goal(question='How does the average daily temperature (max and min) vary over time for each location?', visualization='Line chart showing the rolling average of `temp_max` and `temp_min` over time, separated by `location`.', rationale='This visualization uses `date`, `temp_max`, `temp_min`, and `loc...`

A visualization goal

index int	0
question str	'How does the average daily temperature (max and min) vary over time for each location?'
rationale str	'This visualization uses `date`, `temp_max`, `temp_min`, and `location` to reveal seasonal trends and potential differences in temperature patterns between New York and Seattle. A rolling average smooths out daily fluctuations for a clearer trend.'
visualization str	'Line chart showing the rolling average of `temp_max` and `temp_min` over time, separated by `location`.'

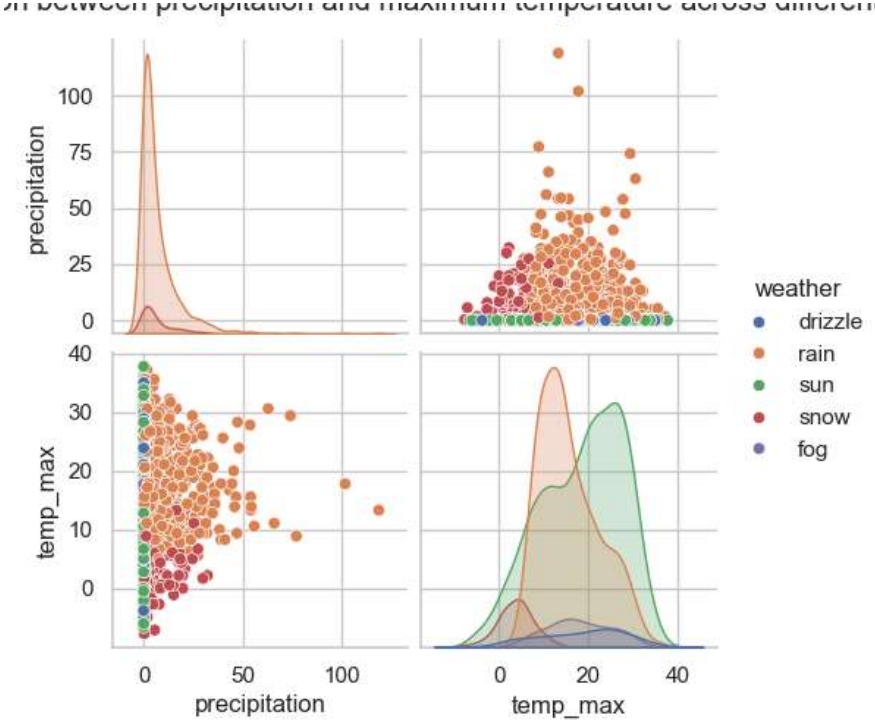
✷ Insight 1:

`main() Goal Goal(question='What is the correlation between precipitation and maximum temperature across different weather conditions?', visualization='Scatter plot matrix showing the relationship between `precipitation` and `temp_max`, with points colored by `weather`.', rationale='This uses `precipitation`, `t...`

A visualization goal

index int	1
question str	'What is the correlation between precipitation and maximum temperature across different weather conditions?'
rationale str	'This uses `precipitation`, `temp_max`, and `weather` to explore potential relationships. A scatter plot matrix allows for a visual comparison of correlations across different weather types (rain, fog, etc.).'

visualization str	'Scatter plot matrix showing the relationship between `precipitation` and `temp_max`, with points colored by `weather`.'



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VizOps

✷ Insight 2:

`main() Goal Goal(question='How does wind speed affect the maximum temperature, considering precipitation levels?', visualization='3D scatter plot with `wind` on one axis, `temp_max` on another, and `precipitation` on the third, with color representing `weather`.', rationale='This visualization uses `wind`, `tem...`

A visualization goal

index int	2

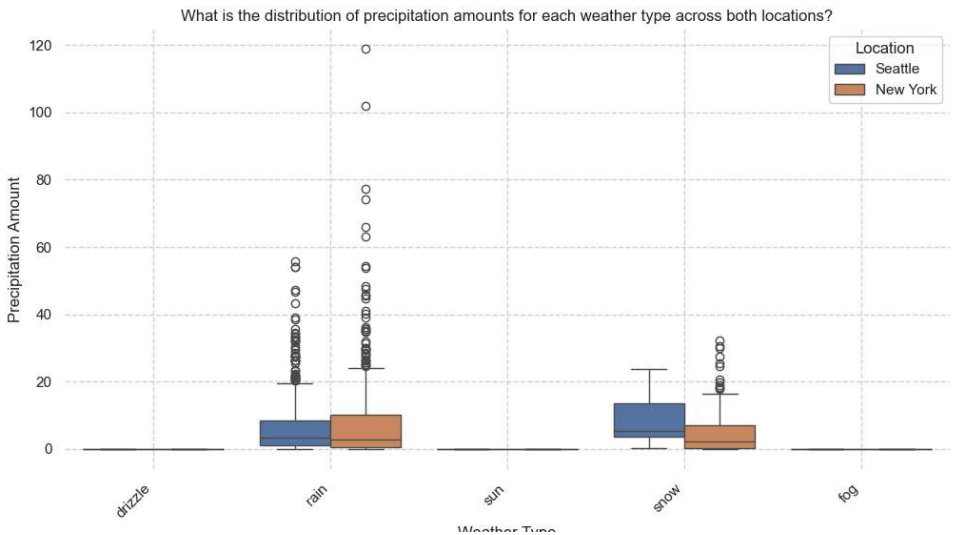
question str	'How does wind speed affect the maximum temperature, considering precipitation levels?'
rationale str	'This visualization uses `wind`, `temp_max`, `precipitation`, and `weather` to investigate the combined effect of these variables on temperature. The 3D plot allows for a more comprehensive view of the interplay between these factors.'
visualization str	'3D scatter plot with `wind` on one axis, `temp_max` on another, and `precipitation` on the third, with color representing `weather`.'

✷ Insight 3:

main() Goal Goal(question='What is the distribution of precipitation amounts for each weather type across both locations?', visualization='Box plot showing the distribution of `precipitation` for each unique value in `weather`, separated by `location`.', rationale='This uses `precipitation`, `weather`, and `loc...

A visualization goal

index int	3
question str	'What is the distribution of precipitation amounts for each weather type across both locations?'
rationale str	'This uses `precipitation`, `weather`, and `location` to compare the distribution of precipitation (median, quartiles, outliers) across different weather conditions and locations. Box plots are effective for comparing distributions.'
visualization str	'Box plot showing the distribution of `precipitation` for each unique value in `weather`, separated by `location`.'



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VizOps

✷ Insight 4:

`main()` `Goal` `Goal(question='What is the temporal trend of average wind speed and its relationship with average temperature (max and min) over time?', visualization='Line chart showing rolling averages of `wind`, `temp_max`, and `temp_min` over time. Consider adding a secondary y-axis for wind speed if scales di...`

A visualization goal

index int	4
question str	'What is the temporal trend of average wind speed and its relationship with average temperature (max and min) over time?'
rationale str	'This uses `date`, `wind`, `temp_max`, and `temp_min` to analyze temporal trends and potential correlations between wind speed and temperature. A line chart effectively displays trends over time.'
visualization str	'Line chart showing rolling averages of `wind`, `temp_max`, and `temp_min` over time. Consider adding a secondary y-axis for wind speed

```
if scales differ significantly.'
```