NTViz

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☑ 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

0.30

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 average daily temperature (max and min) vary over
time for each location?', visualization='Line chart showing average `temp_max` and
average `temp_min` over time (`date`), with separate lines for each `location`.',
rationale='This visualization uses the `date`, `temp_max`, `t...
```

A visualization goal	
index int	0
question str	'How does average daily temperature (max and min) vary over time for each location?'
rationale str	'This visualization uses the `date`, `temp_max`, `temp_min`, and `location` fields to reveal temporal trends in temperature for each location. It helps identify seasonal patterns and potential differences in temperature profiles between New York and Seattle.'
visualization str	'Line chart showing average `temp_max` and average `temp_min` over time (`date`), with separate lines for each `location`.'

✸ Insight 1:

```
main() Goal Goal(question='What is the correlation between precipitation and maximum
temperature across different weather conditions?', visualization='Scatter plot of
`precipitation` vs. `temp_max`, with points colored by `weather` category.',
rationale='This uses `precipitation`, `temp_max`, and `weather` fiel...
```

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` fields to explore the relationship between temperature and rainfall under various weather conditions. We can identify if higher precipitation correlates with lower temperatures, and if this relationship differs across weather types (rain, fog, e...'

visualization `str`	`'Scatter plot of `precipitation` vs. `temp_max`, with points colored by `weather` category.'`

What is the correlation between precipitation and maximum temperature across different weather conditions?

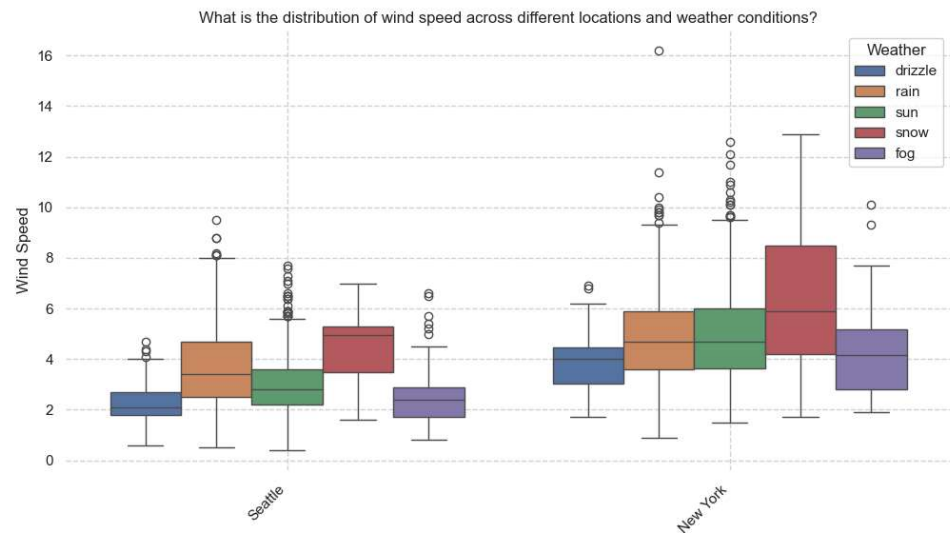°⋆ʕつ•ᴥ•ʔつ Download Chart °⋆

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✳ Insight 2:

main() `Goal` Goal(question='What is the distribution of wind speed across different locations and weather conditions?', visualization='Box plot of `wind` speed, grouped by `location` and `weather`.', rationale='This visualization leverages `wind`, `location`, and `weather` to compare the distribution of wind spe...'

A visualization goal

index `int`		2

question str	'What is the distribution of wind speed across different locations and weather conditions?'
rationale str	'This visualization leverages `wind`, `location`, and `weather` to compare the distribution of wind speeds across locations and weather types. It helps identify if certain locations or weather conditions are associated with higher or lower wind speeds and reveals potential outliers.'
visualization str	'Box plot of `wind` speed, grouped by `location` and `weather`.'

What is the distribution of wind speed across different locations and weather conditions?
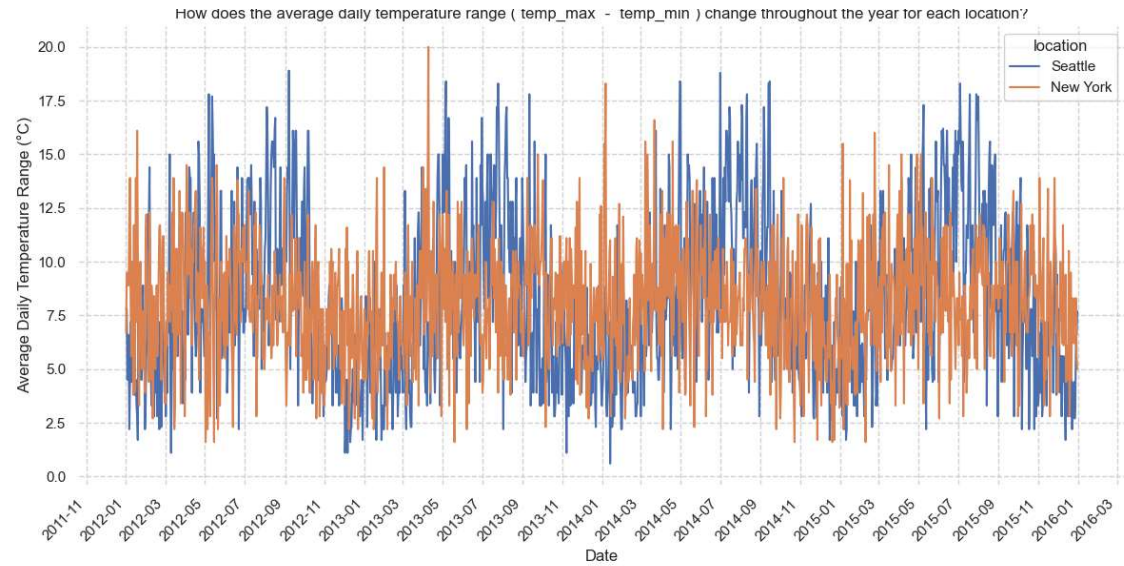
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✳ Insight 3:

```
main() Goal Goal(question='How does the average daily temperature range (`temp_max` -
`temp_min`) change throughout the year for each location?', visualization='Line chart
showing the average daily temperature range (`temp_max` - `temp_min`) over time
(`date`), with separate lines for each `location`.', rationa...
```

A visualization goal

index `int`	3
question `str`	'How does the average daily temperature range (`temp_max` - `temp_min`) change throughout the year for each location?'
rationale `str`	'This visualization uses `date`, `temp_max`, and `temp_min` to calculate and display the daily temperature range for each location over time. It helps understand the variability in daily temperatures throughout the year and compare this variability between locations.'
visualization `str`	'Line chart showing the average daily temperature range (`temp_max` - `temp_min`) over time (`date`), with separate lines for each `location`.'

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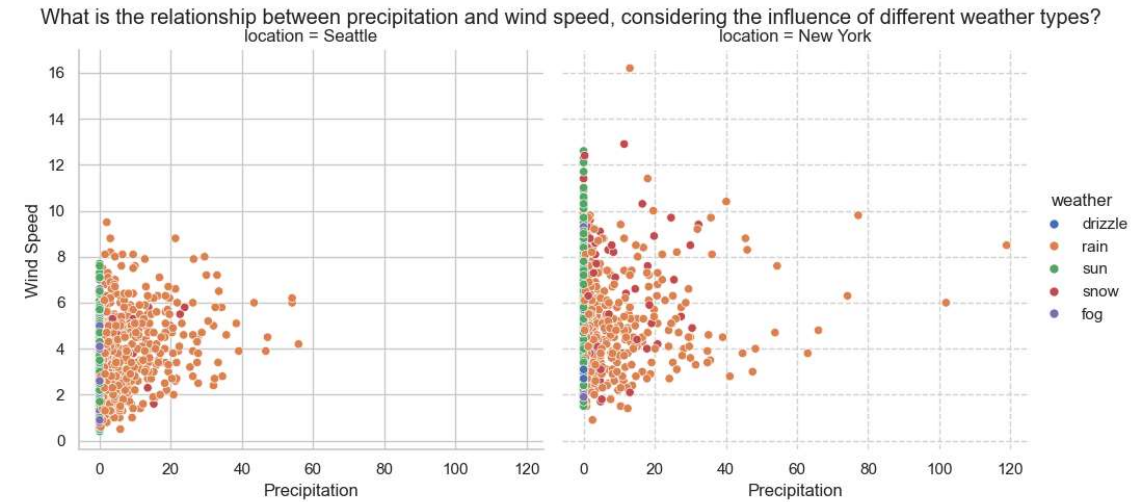## ✴ Insight 4:

main() `Goal` Goal(question='What is the relationship between precipitation and wind speed, considering the influence of different weather types?', visualization='Scatter

plot of `precipitation` vs. `wind`, with points colored by `weather` category and
potentially faceted by `location`.', rationale='This uses `pr...

A visualization goal

index int	4
question str	'What is the relationship between precipitation and wind speed, considering the influence of different weather types?'
rationale str	'This uses `precipitation`, `wind`, and `weather` (and optionally `location`) to investigate the relationship between precipitation and wind speed under different weather conditions and locations. It helps determine if stronger winds are associated with higher precipitation amounts and if this rela...
visualization str	'Scatter plot of `precipitation` vs. `wind`, with points colored by `weather` category and potentially faceted by `location`.'

What is the relationship between precipitation and wind speed, considering the influence of different weather types?

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