		Relative Humidity Trends	Geographic Comparisons	Precipitation Analysis
	Humidity Analysis	Analyze <b>trends &amp; patterns</b> in relative humidity levels over five-year period.	Identify <b>variations</b> and similarities in humidity levels across different cities of US, Canada and Israel.	Using humidity and other weather data to analyze <b>precipitation patterns</b> .
		Seasonal Variation	Altitude and Pressure	Weather Pattern Analysis
N	Pressure Analysis	Assess pressure variations related to different seasons to identify seasonal trends.	Analyze how pressure changes with altitude, considering <b>elevation differences</b> in areas.	Identify <b>weather patterns</b> such as high & low-pressure systems, cold & warm fronts and their interactions.
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Vr	Temperature	Comparative Seasonal Analysis	Average Temperature Differences	Moisture-Holding Capacity
L	Analysis	Compare the <b>temperature patterns</b> among countries for the same season.	Identify the Highest and lowest temperature and average temperature regions.	Correlate <b>temperature</b> , <b>humidity</b> to define air's moisture holding capacity.
	Weather	Weather Severity Analysis	Frequency and Occurrence Analysis	Seasonal Patterns Relation
	Description Analysis	Categorize <b>weather descriptions</b> by severity, such as mild, moderate, or severe.	Examine the <b>frequency of each</b> weather type and its occurrence throughout the year.	Correlated with the calendar to identify when specific weather conditions.
	Wind	Primary Wind Directions	Prevailing Wind Direction	Wind Speed Correlation
	Direction	Start by categorizing wind direction into the primary cardinal	Identify the prevailing (most common) wind direction in a specific	Correlate wind direction data with wind speed measurements to gain a
H	Analysis	<b>directions.</b> E.g., North, West, South and East.	location for understanding dominant weather patterns in the area	comprehensive understanding of the wind's behaviour.
	Wind Speed	Wind Speed Distribution	Time-Series Analysis	Extreme Wind Events
	Analysis	Analyze the <b>distribution of wind speeds</b> over a specific time period.	<b>over time</b> . This includes detecting	Identify and analyze <b>extreme wind events,</b> such as hurricanes, tornadoes, or severe storms.
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