

## Tutorial 8 Evaluation

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Q1

- 1) → Time series plot  
→ Sparkline plot

2) A weekly cycle is there, there might be ~~one~~ weekly alignments

- Feb first week sees unusually high traffic which might indicate a very an important event
- There are more than 90 visit on some days

Q2) x-axis : categories

y-axis : values

Q3 human eye can notice the following

- smoothness or irregularity
- trends
- seasonality / cycles
- sudden spikes / dips

Q4 data with resolution reduces the time or work required to interpret a plot by eliminating non-essential elements.

It not only makes it easier to interpret the plot but it also reduces the burden on the system.

~~Research~~

## Bar Chart

- Used for comparing variables
- Used on categorical data
- Spaces are present between bars

## Histogram

- Used for showing distribution of variables
- Used on numerical ranges grouped into bins / intervals
- No space between the bars unless value is zero