3.5 LESSON NOTES

TIME SERIES & AREA CHARTS

- **6 different types to choose from**:

  - The 3 Time Series versions are all built in the same way. The **differences are only stylistic**.

  - The 3 Area Charts are regular, stacked and stacked 100%

- **Can only add date** as the primary dimensions of the query but breakdown dimension can be anything

- To modify the date **granularity**, you can click on the edit pencil next to the date dimension

- Like column and bar charts, you can add **up to 5 metrics** side by side unless breakdown dimension present. **Double Y-axis** also available

- Can add **date range** filter AND **comparison period** that will show 2 periods in 2 lines/series

- More Style options:

  - Can turn lines into bars

  - Cumulative values, e.g. running total

  - Add points

  - **Trend lines** (linear, exponential, polynomial)

  - Reference lines (constant, calculated)

  - Missing values (recommend to leave on "Line to zero")

- **Smoothed time series** chart is just a regular time series but with "smoothing" option activated in Style tab

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- **Sparkline** is just a time series without axes, grid, labels etc. Often small in size and allows an at-a-glance view of a metric's evolution

- **Area charts need a breakdown dimensions to work**

- Area chart is just time series with area underneath line filled in. Idea being to display volume