Open File: **CompareTablets.dxp**

- Review the Data Table and Filters associated with each of the columns providing descriptive parameters for each of the 66 different tablets available for comparison in this analysis

WHEN A LINE CHART DOESN'T WORK

- Insert a **New Page**
- Insert a **Line Chart**
    - **Y-axis:** display 6 columns: *Price, Ppi, Max Storage, Screen, Batt Hrs, Lbs*
        - set the **Aggregation** for all columns to *'(None)'*
    - **X-axis:** drag & drop the variable *'(Column Names)'* from the Color by selector to the X-axis selector
    - **Line by:** *'(Row Number)'*
    - Hide the legend
- Mark the line with the highest *Max Storage* value and try to compare all 6 measures to other tablets. Note that *Screen, Batt Hrs,* and *Lbs* are hard to compare – due to scale

USE A PARALLEL COORDINATE PLOT, INSTEAD

- Insert a **Parallel Coordinate Plot**
    - **Color by:** Remove
    - Hide the legend
    - **Properties** dialog
        - **Columns** section
            - **Remove All**
            - **Add:** *Price, Ppi, Max Storage, Screen, Batt Hrs, Lbs*
        - **Close** the properties dialog
- Evaluate the marked line (with the highest *Max Storage* value) and try to compare all 6 measures to other tablets. Note that *Screen, Batt Hrs,* and *Lbs* are much easier to compare – due to the normalized scale (0-100%)
- In order to view the scale for *Batt Hrs*, click on that column heading
- Mark the tablet with the highest *Batt Hrs*
- Maximize the Parallel Coordinate Plot

LEARN MORE ABOUT USING PARALLEL COORDINATE PLOTS

- Mark the 5 tablets with the highest *Batt Hrs*
- Drag & drop Details-on-Demand panel along bottom of application space
- Mouseover the marked line with the highest *Ppi* value, note that the row in the Details-on-Demand showing the Apple iPad Air is highlighted
- Note that hovering your mouse over a line presents *Row number* in the tooltip box

- **Properties** dialog
    - **Tooltip** section
        - Uncheck Color by and Line by
        - **Add**
            - *Tablet Name*
            - Click OK
        - **Close** the properties dialog
- Mouseover a line to see the tablet name
- Mark the tablets with *Price* values well below the 50% range
    - Click the *Price* label in order to view the scale for price values
- Sort the Details-on-Demand panel by *Price* values – click twice to sort descending
    - Scroll up and down the Details on Demand panel
- Filter Price to a maximum value of 300
    - Note that the scale adjusts to new min and max values
    - Filter to any two *Tablet Names*, just to show the extreme impact of this normalization
    - Reset all filters
- Click where there is nothing to clear the marked data
- Close the Details-on-Demand panel
- Trellis by *OS Type* by using the filter + drag & drop – apply to panels target
- Color by *RAM*
    - **Properties** dialog
        - **Color** section - slide to side so you can see the impact on the Plot
            - **Color mode:** Unique values
            - **Color mode:** Segments
                - **Add Point –** value = 1.5
                - **Add Point –** value = 4.0