

Scatter and Bubble Plots in Tableau

Review:

1. When do we use a scatterplot?
 2. What type of data do we need for it?
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Use the data in `basketball_players_data.csv`

You need to create the following charts:

1. Create a scatter plot to show the players' height vs weight. Note that we have multiple rows per player in the table. How should the data be aggregated in this case? How should we adjust the axis?
2. Duplicate the chart from step 1. On the new chart, use color to associate each marker with a player's name. Is the chart readable? Does it make sense to do that?
3. Duplicate the chart from step 1 again. On the new chart, use color to mark the different player positions (the column name is Pos.x). What does that data show in this case?
4. Duplicate the chart from step 3. Apply a filter to only show KU basketball players. Should we adjust the axis again?
5. Duplicate the chart in step 4. Make the size of the markers vary based on the points (use column Pts). Now this is a bubble plot. How many variables does this bubble plot show? Is that too many variables?
6. Duplicate the chart in step 5. Apply a filter to only show players who are taller than 200cm.

Style the charts – meaningful titles and axes labels, colors, etc.

Resources:

1. Data Aggregation - <https://www.javatpoint.com/data-aggregation-in-tableau#:~:text=Click%20on%20the%20analysis%20then,of%20detail%20in%20your%20view.>
2. Scatter plot - <https://www.thedataschool.co.uk/borja-leiva/creating-scatter-plots-tableau/#:~:text=In%20Tableau%20you%20create%20a,a%20default%20visualization%20for%20this.>
3. Marks cards - https://help.tableau.com/current/pro/desktop/en-us/buildmanual_shelves.htm
4. Filters - <https://help.tableau.com/current/pro/desktop/en-us/filtering.htm>