

## More examples of Graphs

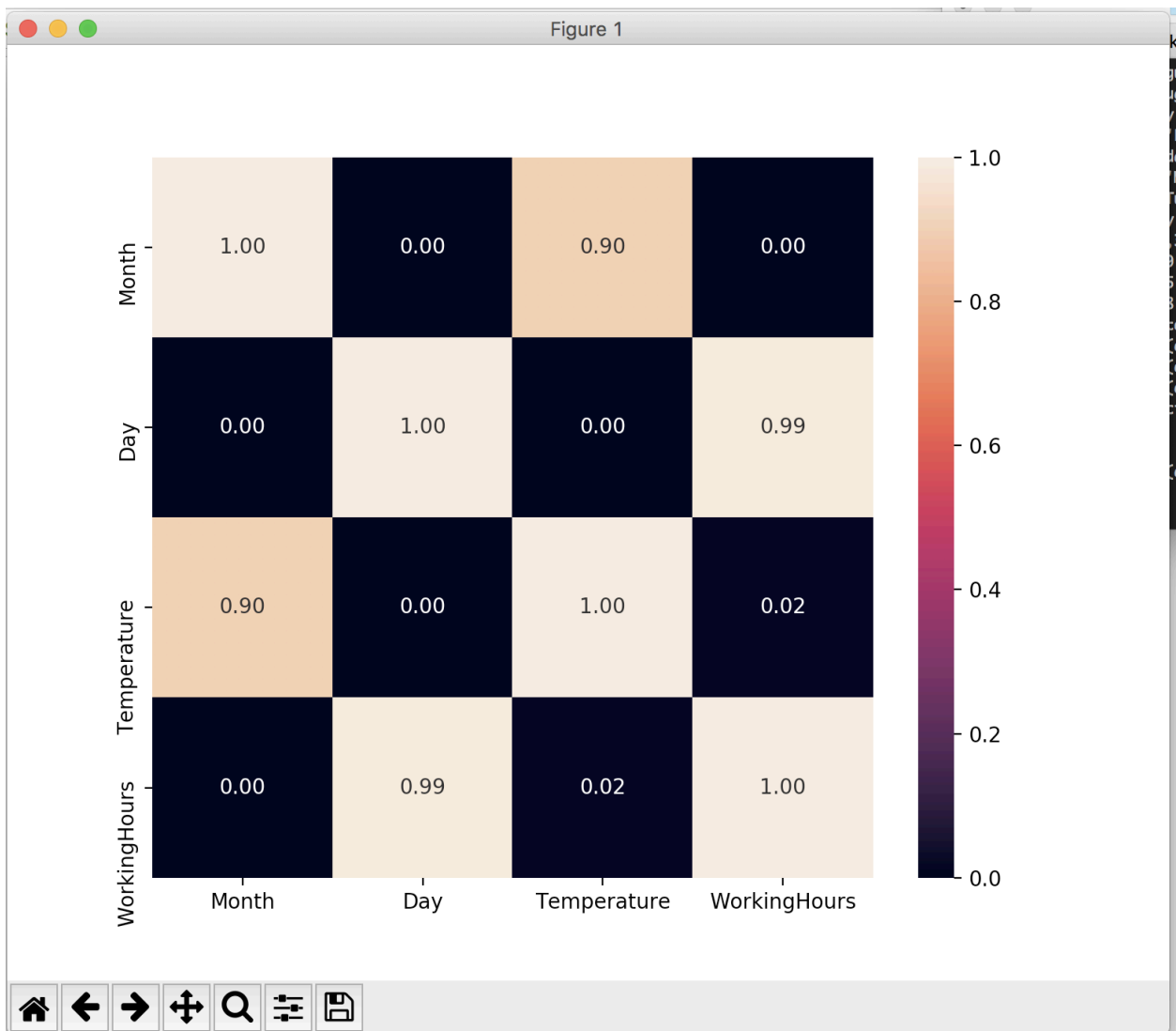
### 1- HeatMap

Type: more than one categorical column **OR** more than one numerical column **OR** numerical and categorical columns together.

WHY: exploring relationships within data.

Libraries :Matplotlib , Seaborn.

**Where temp is numerical and month is categorical:**

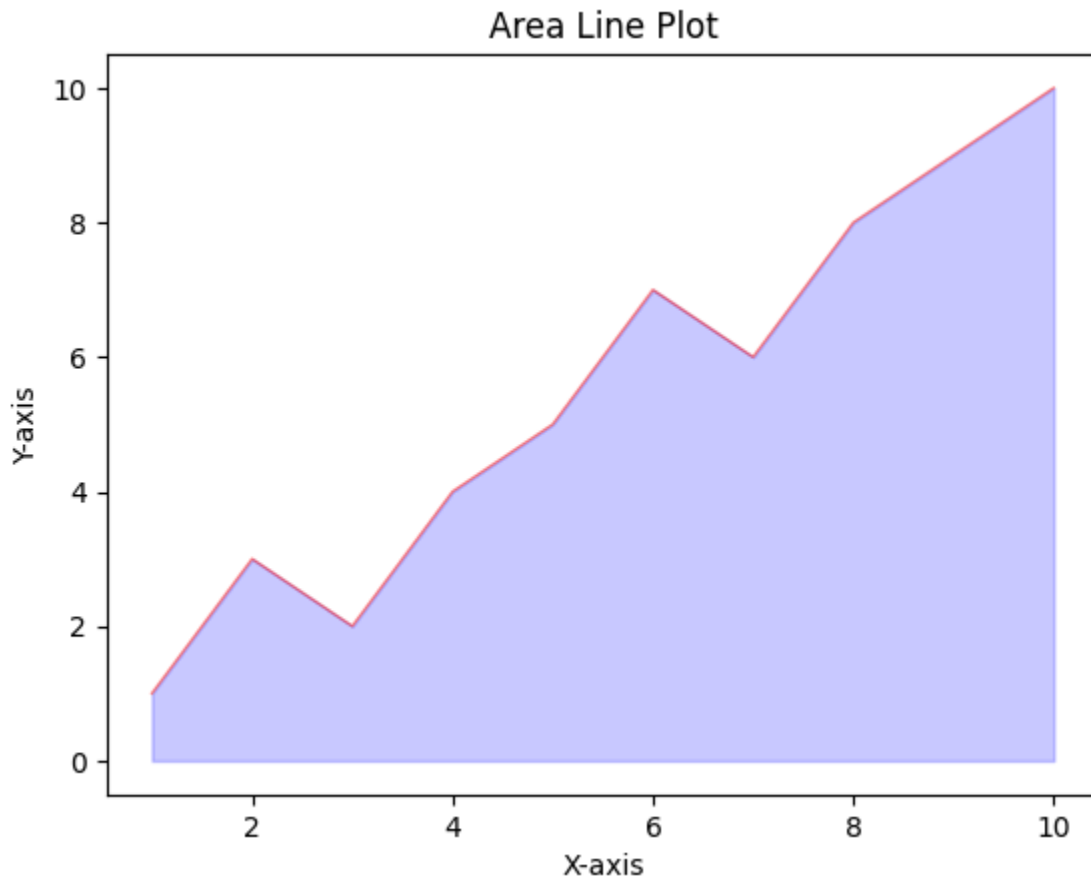


## 2- Area Line Plot or Area Chart or Stacked Area Chart

Type: one or more numerical columns

WHY: displaying trends, comparisons, and part-to-whole relationships in data over time or across categories.

Libraries :Matplotlib.



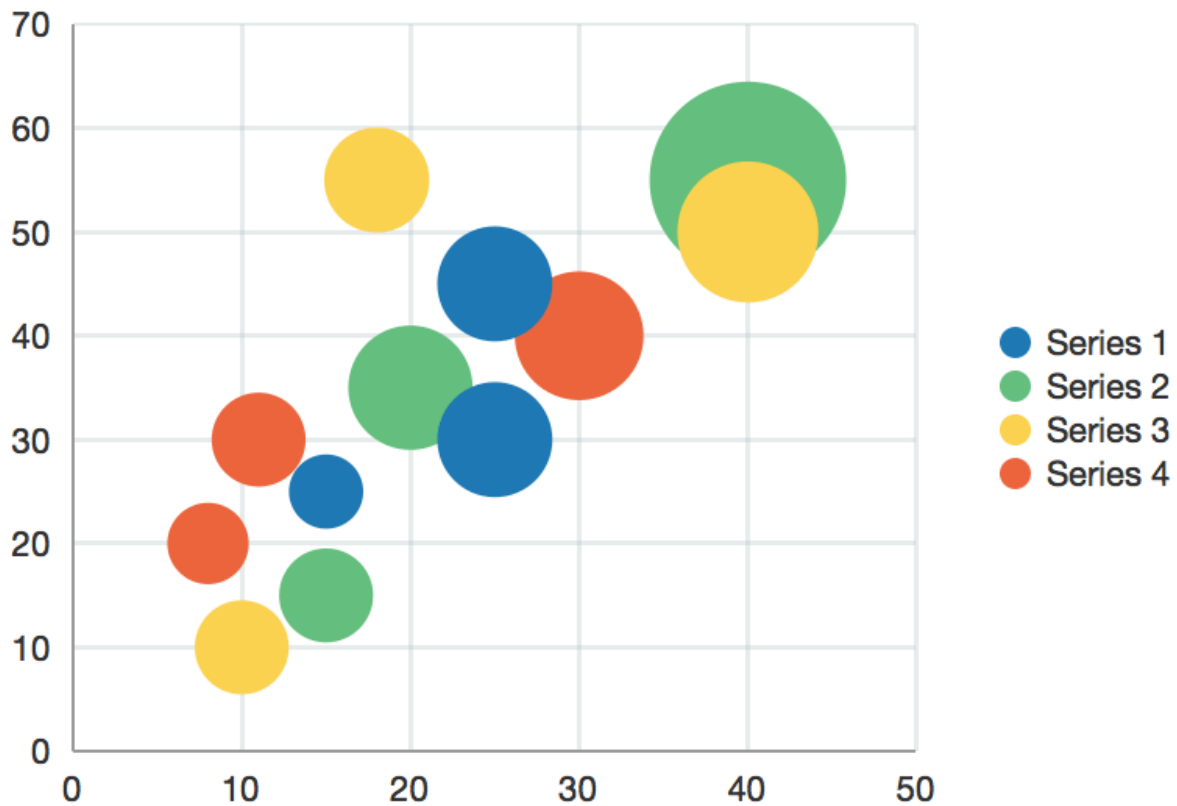
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## 3- Bubble Chart

Type: numerical columns

WHY: variation of a scatter chart in which the data points are replaced with bubbles, and an additional dimension of the data is represented in the size of the bubbles so it have x,y,z

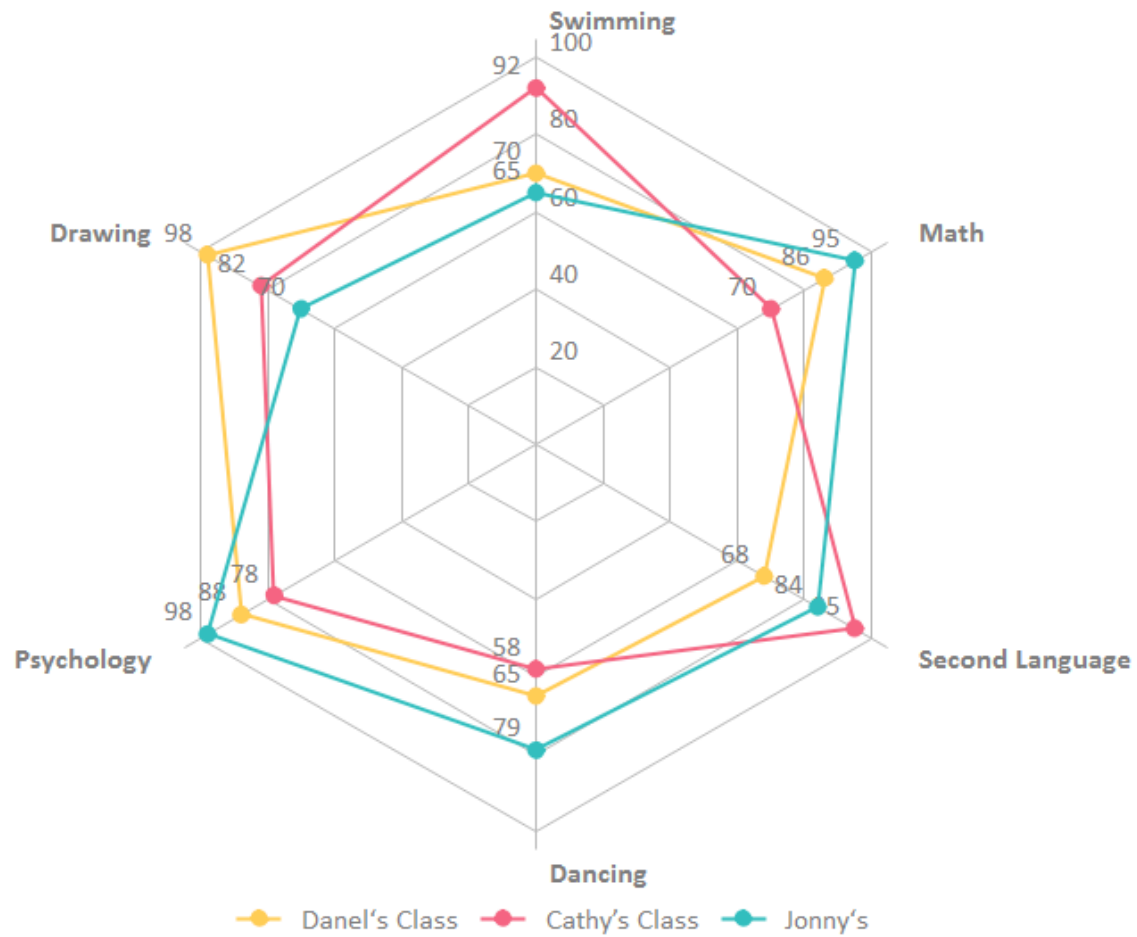
## Bubble Chart



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4- Radar Chart or Spider Chart or Web Chart  
type: Numerical Data with Many Dimensions  
WHY:

- Comparing Performance
- Radial Axes
- Connecting Data Points

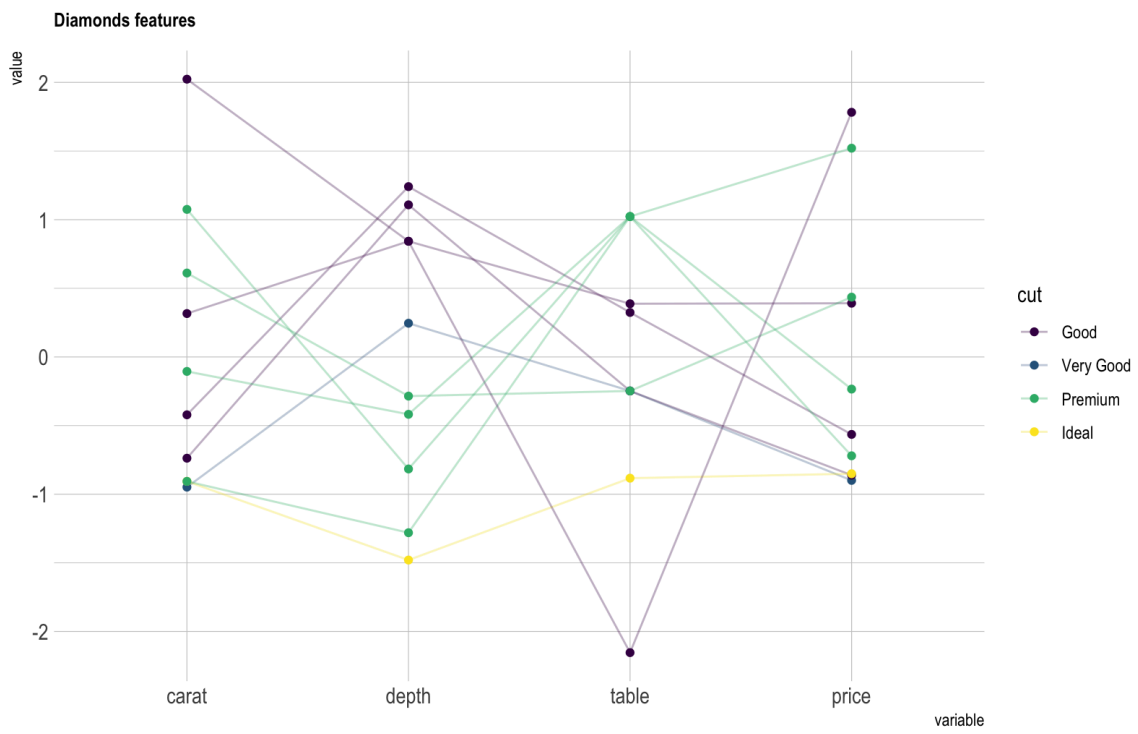


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### 5- Parallel Coordinates Plot

Type: Numerical data with many dimensions.

WHY: Visual Patterns



**Prepared with Engy Abd elmalak**