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In certain pie charts, it is not possible to see the relative proportions of each piece in comparison to each other.

Alternatives to pie charts:

- Tree maps let you compare dimensions side by side.
- Stacked bar charts show parts of a whole
- Stacked line charts show time evolving data; time series
- Hierarchical data
  - Sunbursts : as you get further out, you are breaking into smaller categories
  - Nested box area : how different functions in a software are nested inside each other, analyzing efficiency of a piece of software

Do not compare pie charts, even with labels they are confusing to viewers

Engines:

1. Bqplot :
   - built more to be an interactive tool
   - Two principal interfaces :
     - Pyplot
     - Object oriented, classical programming style
2. Vega-lite

Libraries for interactivity in Jupyter :

- Traitlets