Lecture note 6

<u>Warm up activity</u>
This visualization is made for scientific activity, it's not particularly accessible to people.

<u>Color Mapping</u>
-Pie charts
        The pie chart is showing the popularity of different animals at a zoo
        Not clear which wedges is smaller or bigger than others.
        Pie chart is a difficult type of visualization for people to be decisive quantitatively.
-3D Pie chart: has principal or proportional ink, making red and yellow area look bigger than other wedges.
-Alternatives:
        Donut charts: helps people to see the values in the circle
        Tree maps: can compare relationship between different areas
        Bar charts: values can be easily compared
        Hierarchical data: sunbursts, nested box area
        Stacked bar chart: show part of a whole
        Time evolving data: use connected lines that stack on top of each other

<u>bqplot</u>
-similar to matplotlib, but was built to be more interactive
-two syntaxes: pyplot-like interface, object-oriented API

Traits and data
Traits: Interact with different attributes of a class