Exercise 1: Vis for US census data

Task 1: Compare the number of children age 5 to 13 between the states AZ and CA
- **Statement about pie chart:**
    - Bar chart would be better (because position is more effective than length or even worse area)

Task 2:
- **Statement about pie chart:**

Task 1:
- **Statement about pie chart:**

Task 2:
- **Statement about pie chart:**

Task 1:
- **Statement about pie chart:**

Task 2:
- **Statement about pie chart:**

Task 1: which state has the most children? (17 years old or younger)
Action: compare
Target: distribution of all data
- **Statement about pie chart:** can be used as a rough indicator (already groups age groups that are adjacent) but is not very accurate, especially when it comes to small differences

Task 2: which state has the overall Youngest population?
Action: summarise
Target: distribution of all data
- **Statement about pie chart:** needs further computation of already aggregated data, which makes it unsuitable

Task 1:
Which state has the greatest labor force(18-65)?
Action: summarize, Target: Distribution (Many attributes)

- **Statement about pie chart: not suitable because it's difficult to quantify population number when numbers are missing in the chart and difficult to identify the group at first sight. The color scheme is visually similar, hard to differentiate individual groups.**

Task 2: The population compose of different states

- **Statement about pie chart:**

Task 1:
- **Statement about pie chart:**

Task 2:
- **Statement about pie chart:**

Task 1:
      Action: Search Browse
      Target: Attributes, Many, Similarity
Compare the population per age group of the different states

Pie chart not suitable, as you would need a pie chart for each state and then it is hard to distinguish between the size of the age group. Also if i remember correctly, munzner states that pie chart is almost never a good option.

Task 2:
- **Statement about pie chart:**

Task 1:
- **Statement about pie chart:**

Task 2:
- **Statement about pie chart:**

Task 1: Compare the number of children under 5 years between two states.
- **Statement about pie chart:** One cannot compare the number of children between two states as the area of the pie chart is proportional to the total number of people

Task 2:
- **Statement about pie chart:**

Task 1:
- **Statement about pie chart:**

Task 2:
- **Statement about pie chart:**

Task 1:
- **Statement about pie chart:**

Task 2:
- **Statement about pie chart:**

Exercise 2: Vis for rating questions

Paste your sketch:

Argument for this vis:

Paste your sketch:

Argument for this vis:

Paste your sketch:

Argument for this vis:

Paste your sketch:

Argument for this vis:

Paste your sketch:

Argument for this vis:

Paste your sketch:

Argument for this vis:

Paste your sketch:

Argument for this vis:

Paste your sketch:

Argument for this vis:

Paste your sketch:

Argument for this vis:

Paste your sketch:

Argument for this vis: