Exploring distributions (categorical characteristics) in CODAP I Proposed solution

**Link to CODAP:** <https://tinyurl.com/you-pb-50en>

Investigate the following assumption and complete the tasks.

**We assume for the respondents in this sample that girls are more likely to have a SmartHome assistant at home than boys!**

1. Name the two variables that you need to relate in order to investigate the assumption.
2. Use the available YOU-PB data to check this assumption with the help of CODAP.
3. Use the data to formulate a more precise statement than the one above.

Re a)

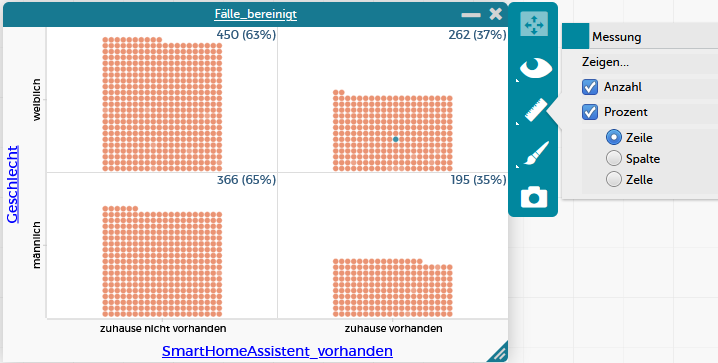
You need the two variables "Gender" and "SmartHomeAssistant\_present".

Re b)

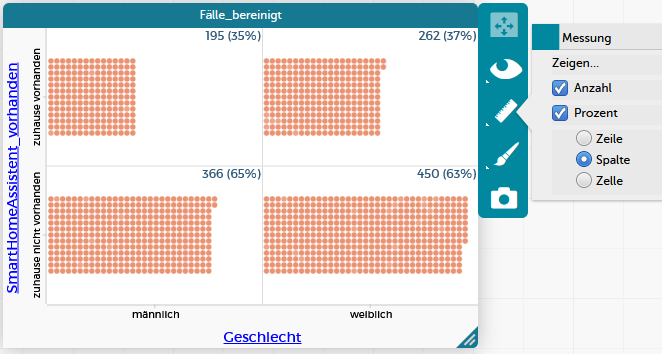
*Attention: It is important to pay attention to which axis which characteristic is drawn! Depending on this, different percentages must be selected. By default, line percentages are set for CODAP.*

*It must be grouped by gender, i.e. the corresponding percentages must be selected in relation to gender.*

*If "Gender" is on the Y-axis, line percentages must be used (anything else leads to a false statement).*



*If "Gender is on the X-axis, column percentages must be used (anything else leads to a false statement).*

**

*The two graphs have the same statistical content!*

The assumption tends to be correct, but the difference is very small.

Re c)

In this sample, 37% of girls and 35% of boys have a SmartHome assistant at home.