Exploring two-dimensional distributions (categorical characteristics) in CODAP II

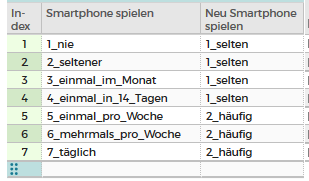
**Link to CODAP:** [**https://tinyurl.com/you-pb-50en**](https://tinyurl.com/you-pb-50en)

Investigate the following assumption for the sample of respondents and complete the tasks.

**Assumption: Young people who have a portable games console at home are also more likely to play on their smartphone!**

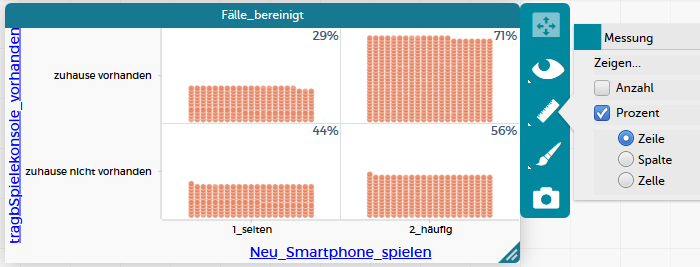
1. Name the two characteristics that you need to relate in order to investigate the assumption.
2. Re-code the two characteristics in a meaningful way so that you can relate two binary characteristics to each other.
3. Use the available YOU-PB data to check this assumption with the help of CODAP.
4. Use the data to formulate a more precise statement than the one above.
5. You need the two characteristics "portable\_game\_console\_present" and "smartphone\_play"
6. The feature "portablegameconsole\_existing" is already binary and does not need to be recoded.

"Smartphone\_play" is recoded to frequently and rarely:



The characteristics are then moved back to the right-hand side of the table.

1. The reference characteristic here is "portablegameconsole\_present". It is therefore placed on the y-axis and row percentages are used (alternatively, it can also be placed on the x-axis and column percentages used).



This can now be seen:

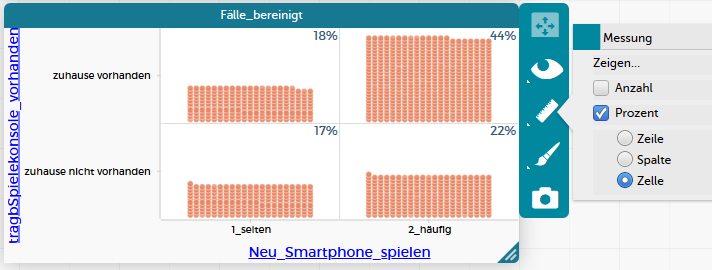
Of those in this sample who have a portable games console at home (top row), 71% often play on their smartphone.

Of those in this sample who do not have a portable games console at home (bottom row), only 56% play frequently on their smartphone.

It can therefore be concluded that the assumption "Young people in this sample who have a portable games console at home also play on their smartphone more often!" is correct.

Alternative:

Cell percentages:



Of all respondents, 44% say they have a portable games console at home AND frequently play on their smartphone.