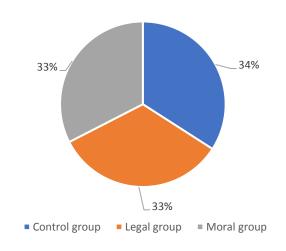
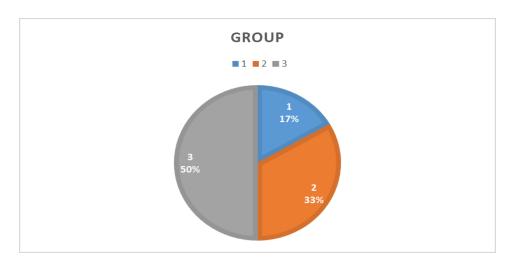
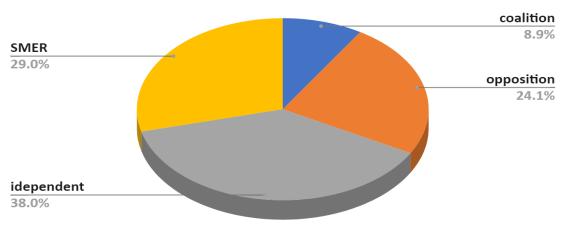
Visualization of relationship between variables

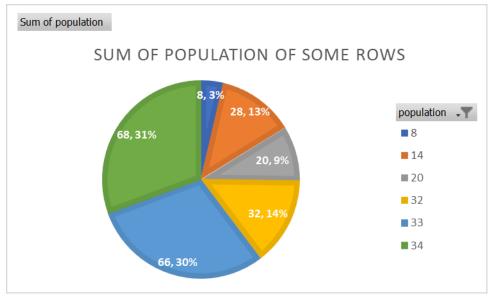
Distribution of experimental groups

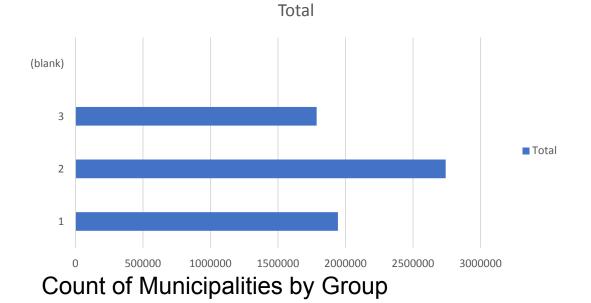


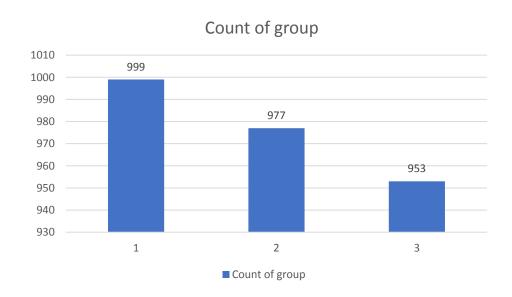


Distribution of Mayor's Political Affiliations

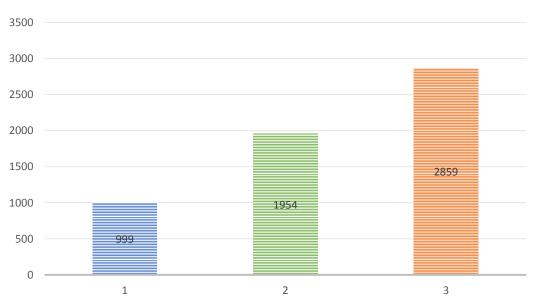




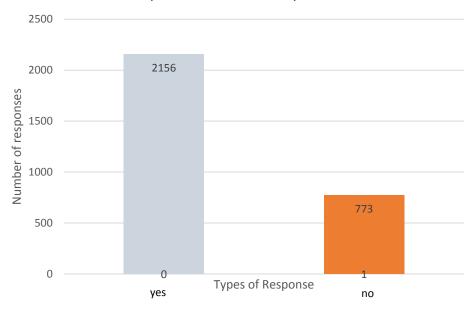


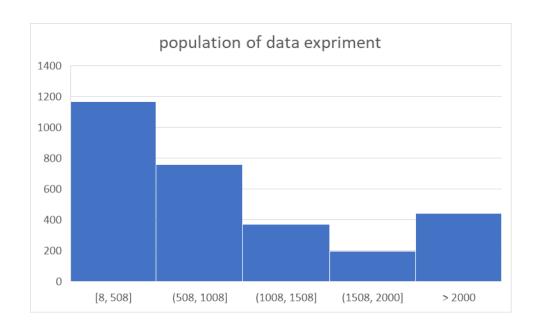


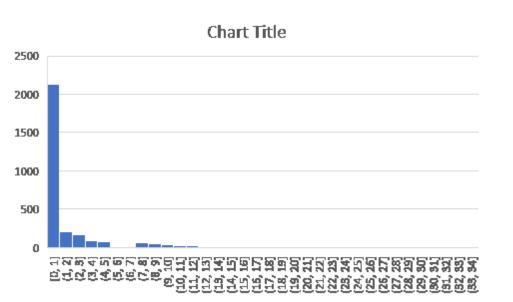
EXPERIMENTAL GROUPS



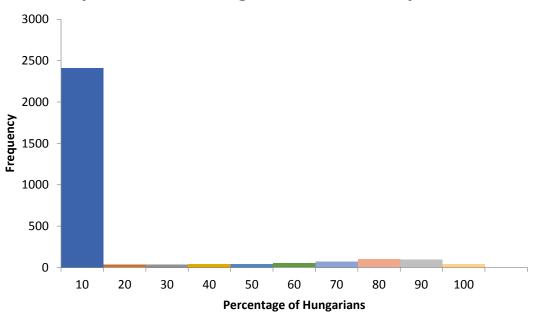
Response from Municipalities

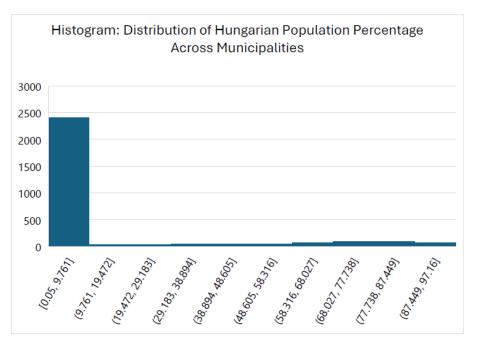






Proportions of Hungarians in Municipalities





Two types of relationship

- Correlation two things are going together
- Causation one thing causes the second one
 - Only advanced methods can reveal causation

Correlation ≠ Causation

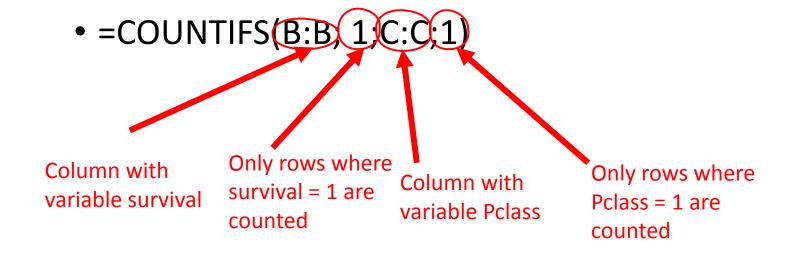
Combinations of variables

- Categorical x categorical stacked bar chart, series of pie charts
- Categorical x cardinal set of boxplots
- Cardinal x cardinal scatterplot

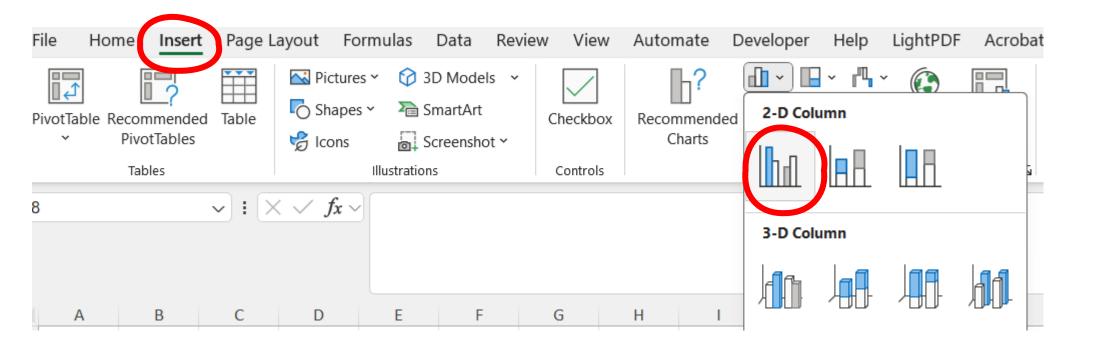
How to recognize relationship

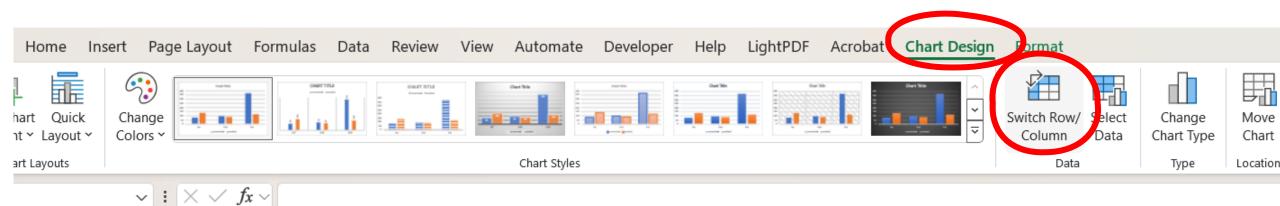
- Categorical x categorical charts are different for each category
- Categorical x cardinal charts are different for each category
- Cardinal x cardinal there is some pattern in scatterplot

=countif



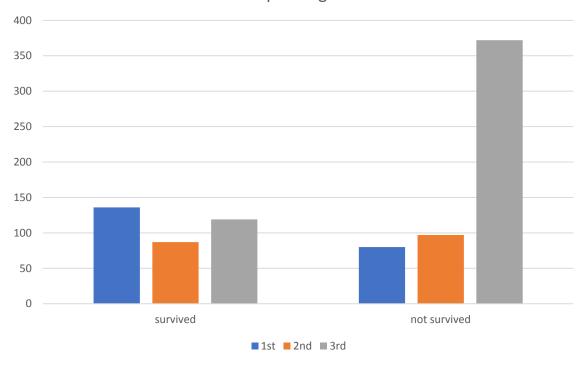
- Same logic for sumif, averageif, etc
- One conditionIF
- More condition ...IFS



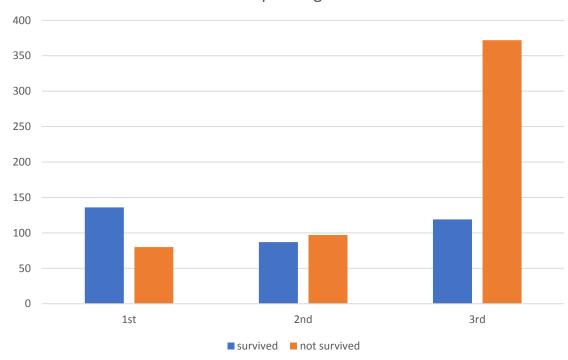


Bar chart

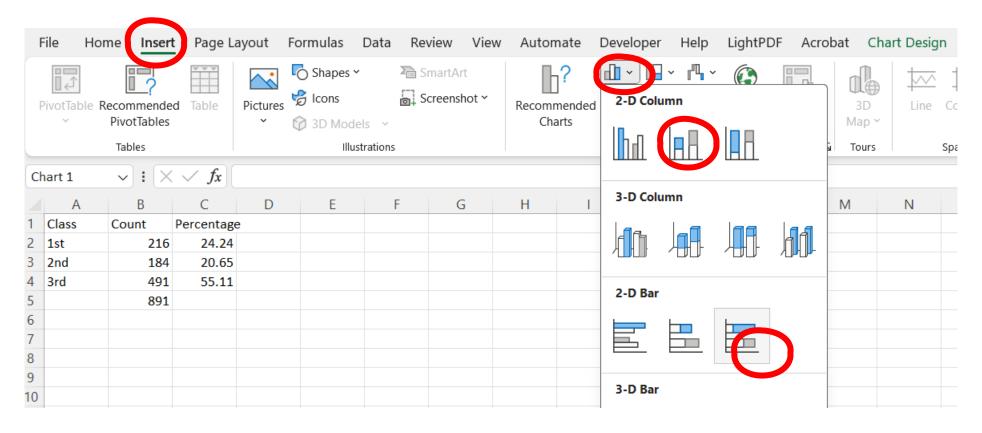
Survival in different passanger classes on Titanic



Survival in different passanger classes on Titanic

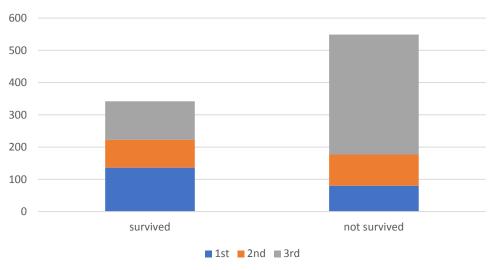


Stacked bar plot

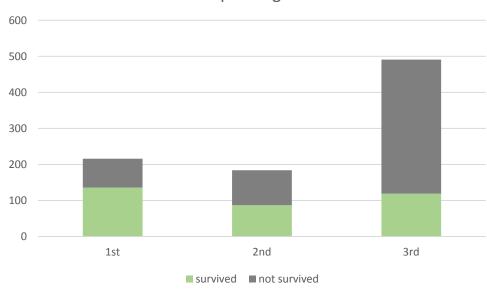


Stacked bar chart

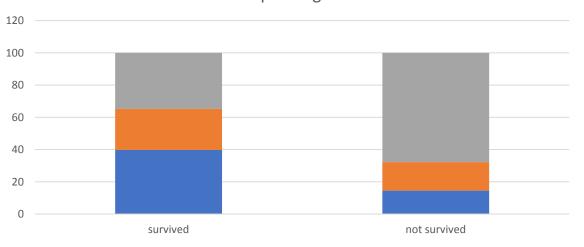
Survival in different passanger classes on Titanic



Survival in different passanger classes on Titanic



Survival in different passanger classes on Titanic



Survival in different passanger classes on Titanic

