

Course: **Human-Computer Interaction**
Topic: **Statistical data analysis in HCI research**
Resource: **RUBRIC**

RATING CRITERIA	1	0,5	0
Contextualization		A brief description of the mock-up case and an insight into the available data from the (hypothetical) HCI experiment are given.	A short description of the mock-up case, along with an example of available data, is not presented.
Main features of the experiment	Correctly detected type of HCI experiment and highlighted list of independent (with their levels) and dependent variables.	The type of experiment and the dependent and independent variables are partially correctly detected and presented.	The type of experiment and the dependent and independent variables are not presented or are incorrectly determined.
Descriptive statistics	The data is visualized with a suitable graph from which it is possible to see all the important determinants of the relationship being analyzed.	There is a visualization of descriptive statistics, but the wrong chart type is selected or the chart does not contain everything necessary.	There is no visualization of descriptive statistics or it is completely wrong.
Tool for statistical analysis		It is clearly explained which software tool was used for the statistical analysis of the data and exactly which options/methods/functions were selected for the targeted test.	No information was presented about the software tool and the options/methods/functions used for statistical data analysis.
Inferential statistics	The choice of statistical test is argued. An appropriate statistical test was selected and performed correctly.	The correct statistical test was chosen, but it was not performed completely correctly.	The wrong statistical test was chosen or not performed at all.
Statistical test report		The result of the (proper) statistical test is presented in the correct formal way.	The result of the statistical test is wrong, or is wrongly / incompletely presented, or is missing.
Generalization		The correct conclusion was drawn and presented, based on the results of inferential statistics.	The correct conclusion was not drawn and / or presented.