

Empirical studies

Practice

Jan Balata (Zdenek Mikovec)

Department of Computer Graphics and Interaction,
Czech Technical University in Prague



DCGI

<https://cw.fel.cvut.cz/wiki/courses/b4m36san/start>

Read the instructions

Do the experiment (in pairs)

After the experiment

- Transcribe the data into a spreadsheet
 - **<https://goo.gl/nwj2hb>**
- You will need the table for next week!

Instructions for the 1. part of the homework

Based on the experiment conducted at the practice create a description of the experiment. The report should contain:

- Research questions (+ null hypothesis)
 - you can define more than one research questions
- Independent and dependent variables
 - think also of other variables than those needed for measuring speed (NOTICE: A relevant research question must be defined for them)
 - what can be the other variables (control, random, confound)
 - how the values will be measured
- Participants
 - what population does it (should it) represent
 - what should you be aware of during recruitment
- Counter balancing (within vs between subject setup)
- Procedure and tasks
- Classify the validity of the experiment

Method "A"

Q	F	U	M	C	K	Z
space		O	T	H	space	
B	S	R	E	A	W	X
space		I	N	D	space	
J	P	V	G	L	Y	

Method "B"

Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	
Z	X	C	V	B	N	M			
space									

NOTE: The data collected and their analysis **IS NOT** a subject of this part of the report (will be analyzed in the second part)..