

Experimental Linguistics

Session B: Experiment Creation II

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Experimental Linguistics

- **18.05** Introduction to Software and Tools for the Creation of Experiments
- **25.05** Working with LabVanced: Creating your own experiment
- **01.06** Introduction to Software and Tools for Webscraping and Data Mining
- **08.06** Data Analysis

LabVanced: Features

- Visual Experiment Builder (gui)
- Canvas Frame (insert, drag&drop, rotate, etc)
- Programmable Events (design logic)
- Dynamic feedback, Interactive Design
- Page frames & questionnaires
- More than 20 stimulus types (images, video, audio, interactive elements, etc.)

LabVanced: Licenses

Free User	Premium User	Lab/Department
Unlimited Exp. creation	Unlimited Exp. creation	Unlimited Exp. creation
CSV/Excel Data export	CSV/Excel Data export	CSV/Excel Data export
1 account	1 account	Unlimited accounts
1 published study at time	1 published study at time	Unlimited number studies
Import of templates	Import of all experiments	Import of all experiments
300 MB storage place	Unlimited storage space	Unlimited storage space
10 records per month	Unlimited recordings	Unlimited recordings

Let's have a look at <https://www.labvanced.com>

https://www.labvanced.com/page/documentation_eng

LabVanced: Experiment Structure

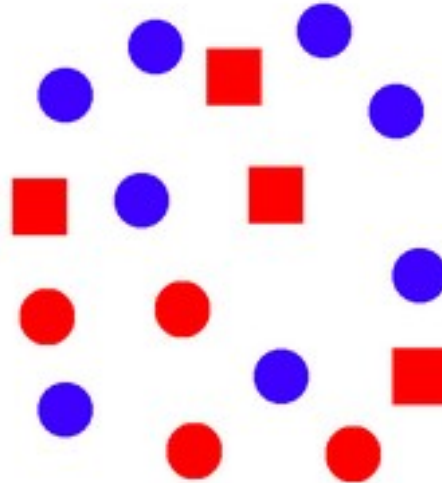
Tasks	Blocks	Sessions	Groups
Read Intro	Introduction	Session A	Group 1
W-Task 1	Warm up		
W-Task 2			
W-Task 3			
M-Task 1	Main tasks		
M-Task 2			
M-Task 3			
M-Task 4			
M-Task 5			
Fill out Qu.	Questionnaire		
		Session B	

LabVanced: Main Menu Structure

- **My studies:** folder of different studies
- **Study design:** groups, sessions, blocks, tasks
- **Task editor:** design and change tasks
- **Study settings:** global settings
- **Variables:** overview of experiment variables
- **Translate:** translate to different language
- **Run:** Test or run the whole experiment
- **Publish and record:** link creation, crowdsourcing, etc.
- **Sharing:** add your study to library
- **Dataview & Export:** read and download result data

LabVanced: Example Study

Scalar Implicature Experiment:



Some of the squares are red.



LabVanced: Exercise

- 1) Register at <https://www.labvanced.com/page/registerpage>
- 2) Log in at <https://www.labvanced.com> (top right)
- 3) Left menu: go to **My Studies**
- 4) Create a **New Study** with name *Politeness*
- 5) Go to **Task Editor**
- 6) Remove the given canvas with explanations
- 7) Add a **canvas** (Bottom: trial timeline, +canvas)

LabVanced: Exercise

- 8) Add a text box (menu left next to canvas area, Aa → Display text)
- 9) Add as text a request (e.g. *Shut up!*, *Could you please be so kind and open the door?*, *Stop!*)
- 10) Add a Lickert scale (menu left next to canvas, search and find...)
- 11) Insert as variable: evaluation1
- 12) Change the Lickert object with **question** as *How polite is this request?*, left end: *very impolite*, right end: *very polite*

LabVanced: Exercise

- 13) Add a button, move it to the bottom and label it with **next**
- 14) Right menu: go to **Events** and add new event
- 15) Choose as **Trigger** *Mouse* and add as target **Button_1**
(the name of the next-Button)
- 16) Choose as **Action** *Jump Action* → *Jump to* → *next slide*
- 17) Duplicate the canvas (go to **trial timeline**, click on the current canvas and click the **double square symbol**)
- 18) Choose as **preset: new (copy) all**
- 19) Duplicate the last canvas again
- 20) Change the request texts of the new two canvas'

LabVanced: Exercise

- 21) Add a new canvas, move it to the first position and insert an experiment description
- 22) Add a next-button that leads to the next slide
- 23) Save the experiment (**disk symbol**) and test the experiment with the **play button**
- 24) If everything works: go to **description** (main menu)
- 25) Add as **keywords**: *language, assessment*
- 26) Add as **affiliation**: *Nicolaus Copernicus University*
- 27) Change **duration** to *2 to 4 minutes*
- 28) Add **description**: *Assess Politeness of requests*

LabVanced: Exercise

- 29) Got to **Run** (main menu)
- 30) **Enable recording** (symbol on the right)
- 31) Go to **Publish & Record** (main menu)
- 32) Press **Review & Publish** (symbol in the middle)
- 33) Choose **yes** for password protection, use password: *umk*
- 34) Check boxes: **custom participation, own crowdsourcing**
- 35) Choose: **use my current license**
- 36) Agree on terms and conditions (if you want to agree)
- 37) Send the participation link to me via eMail