

Card Sorting Tools

Group G3:

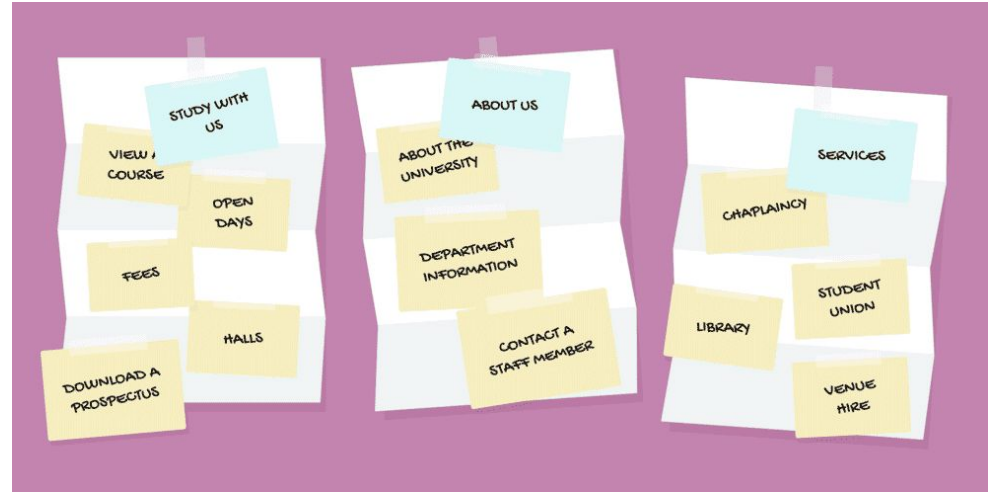
Christopher Oser, Markus Ruplitsch, Markus Stradner

Information Architecture and Web Usability WS 2020/2021

2. Dezember 2020

Card Sorting Introduction

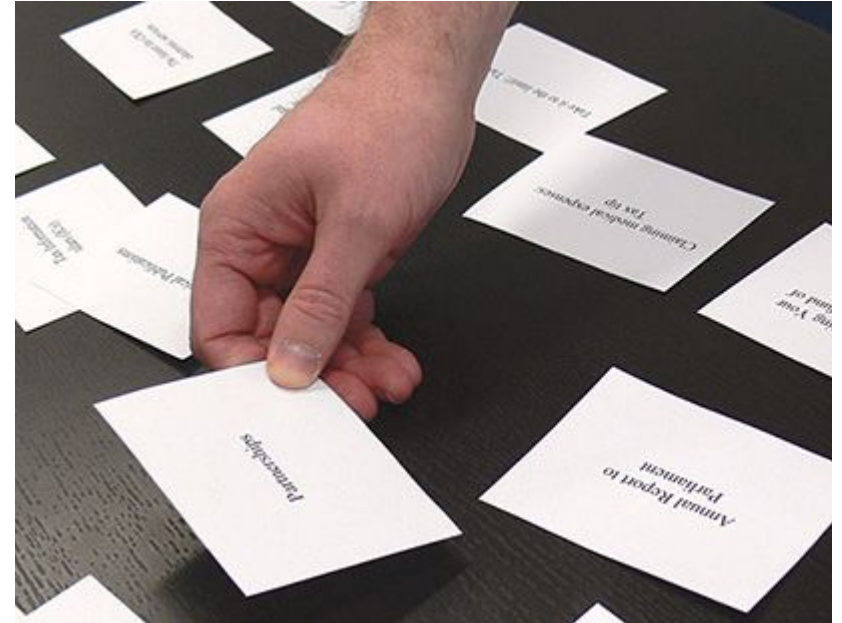
- Technique in user experience design.
- Assign the different cards to the matching category.
- Low-tech approach.
- Used e.g. for designing a navigation structure.
- Closed vs. open card sorting.



Picture taken from [boagworld.com](https://www.boagworld.com) on 15.11.2020

Review Process

- 2 datasets prepared.
- Prepare 1 experiment for each set.
- Predefined characteristics check.
- Let other reviewers participate in experiments.
- Decide on initial ratings.
- Discuss with other reviewers.



Picture taken from nform.com on 15.11.2020

Datasets

Animals

CARDS (10)
Dog
Cow
Butterfly
Snake
Bear
...

Cars

CARDS (54)
Porsche
Ferrari
BMW
Audi
Honda
...

Reviewed Tools

Functionalities:

SORTING

ANALYSIS

BOTH

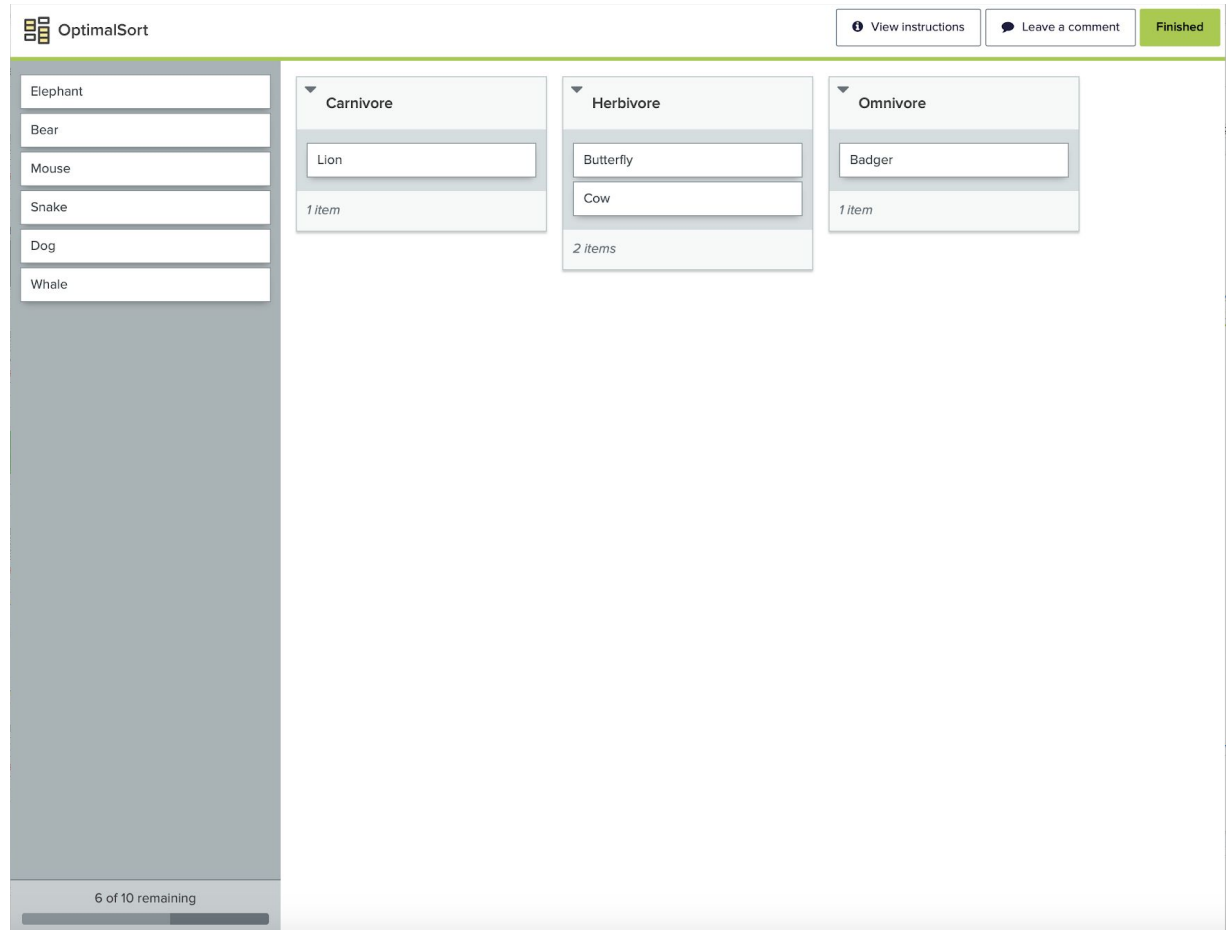
	Christopher	Markus R.	Markus S.
SORTING	kardSort	UXtweak	xSort
ANALYSIS	SynCaps v3	ProvenByUsers	OptimalSort
BOTH	Casolysis	CSA	

Other Tools

- SortIt (not buildable)
- UserZoom (do not respond)
- UsabilityTools UXSuite (acquired by competitor)
- SimpleCardSort (discontinued)
- usabilityTEST (acquired by competitor)
- ConceptCodify (acquired by competitor)

OptimalSort

- Free/paid version.
- Very large range of functions (also for free version).
- Nice designed.
- Very intuitive to handle.
- [Showcase Video](#)



LIVE-DEMO

OptimalSort

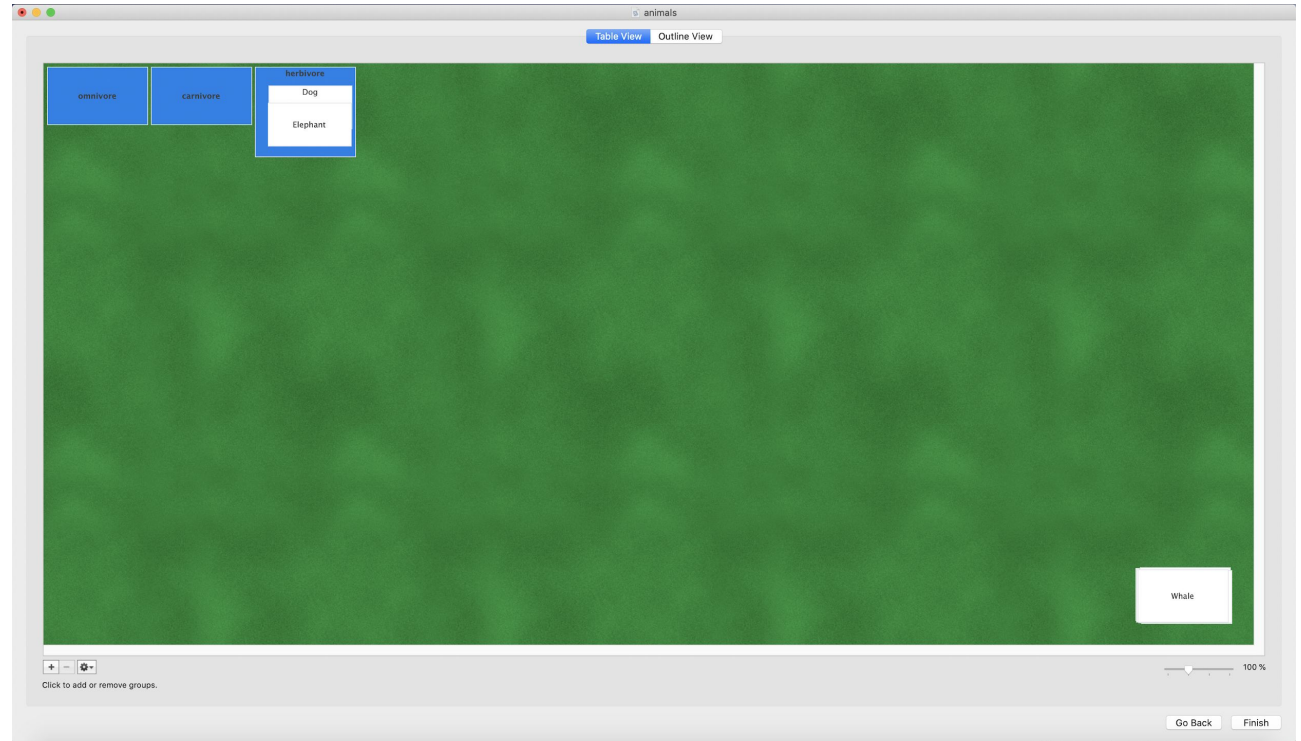
OptimalSort

Pro	Contra
Easy to use.	Account is required.
Nice dashboard with studies, demos, instructions, 10-step-tutorial etc.	Max. 30 cards (free version).
Imports/exports possible.	Max. 10 participants (free version).
Nice analysis pages (charts, diagrams, etc.).	

Simplicity	Documentation	Features	Business Model
4	5	5	3

xSort

- Only local version for macOS available.
- Free of charge.
- Not up to modern standards.
- Table View & outline view possible.
- [Showcase Video](#)



Screenshot captured by Markus Stradner on macOS Catalina 10.15.7, 15.11.2020

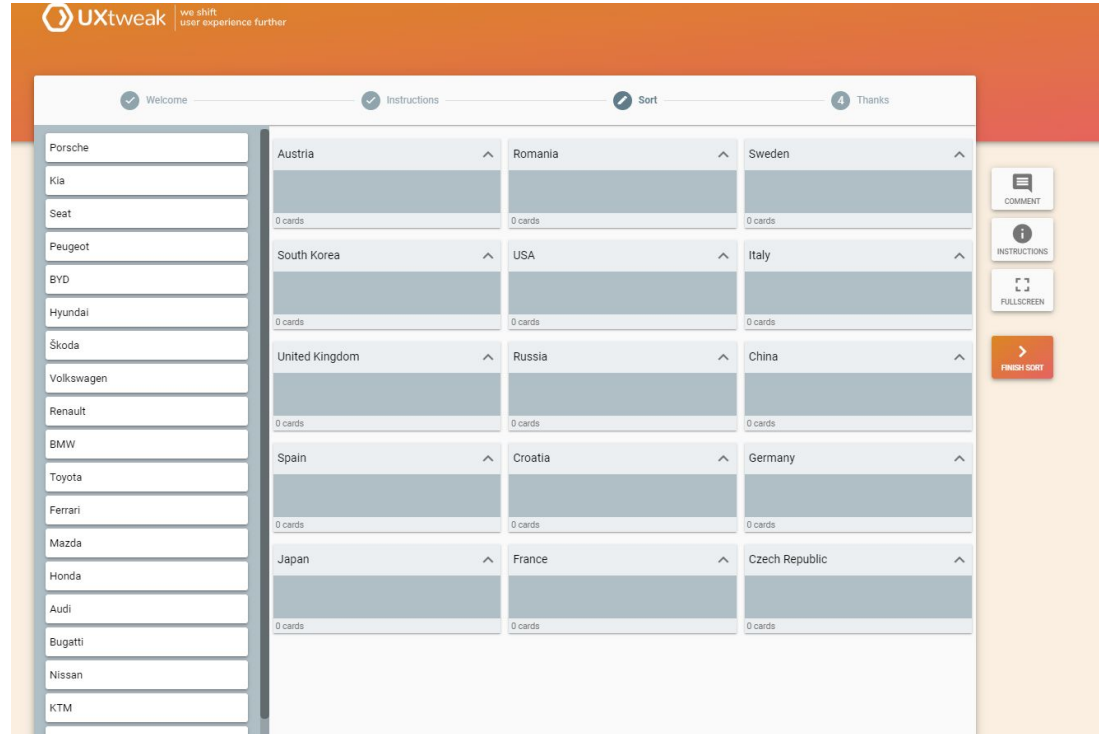
xSort

Pro	Contra
Password security possible.	Not online - only local studies possible.
Zooming tool.	Bad design including small bugs.
Clean up tool.	Documentation only online available.
Free of charge.	No rasterizing for groups/cards.

Simplicity	Documentation	Features	Business Model
2	2	3	4

UXtweak

- Offers a number of different usability tests.
- Easy to use.
- Friendly user interface.
- Offers a variety of analysis tools.
- [Showcase Video](#)



Screenshot captured by Markus Ruplitsch on Windows 10, 15.11.2020

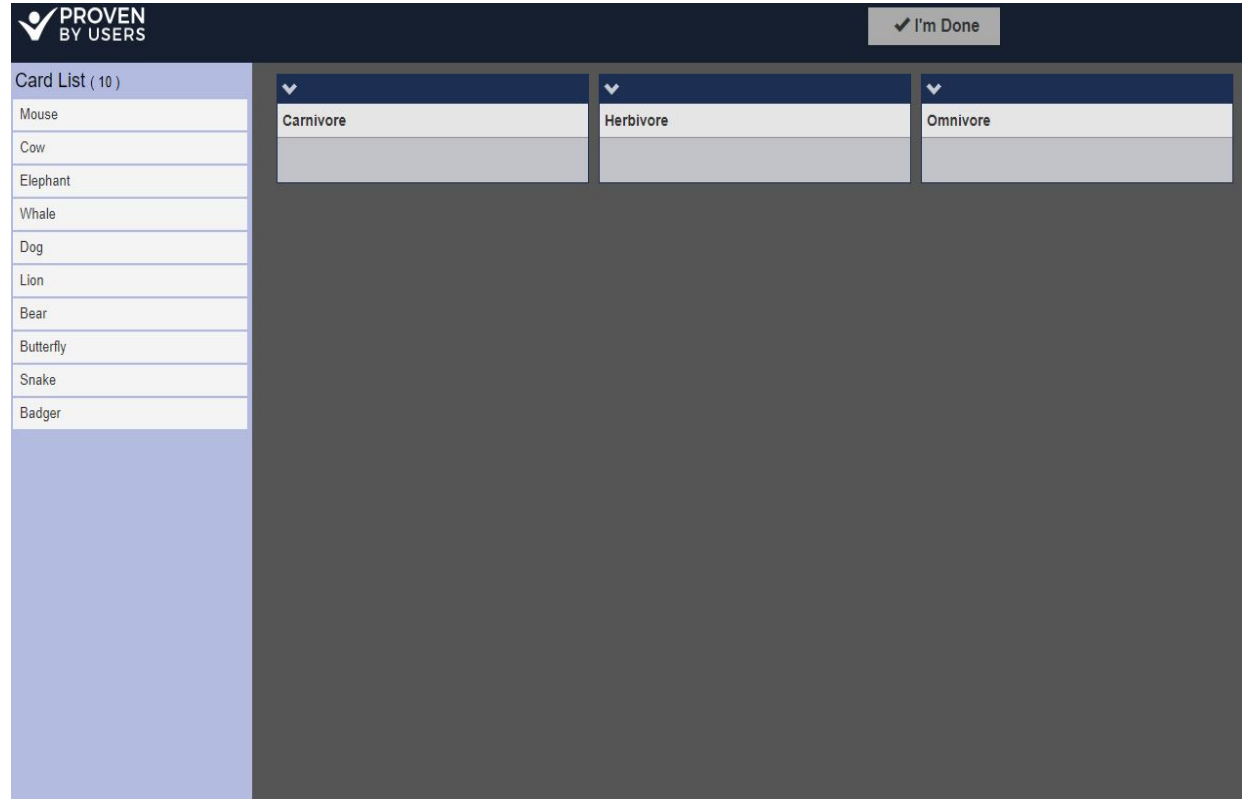
UXtweak

Pro	Contra
Easy to use.	Max. 20 cards (free version).
Detailed documentation with pictures.	Paid version is expensive (280€ per month).
Allows exporting of survey analysis as pdf.	
Supports import and export of .csv.	

Simplicity	Documentation	Features	Business Model
5	4	4	3

ProvenByUsers

- Minimalist UI design.
- Relatively easy to use.
- Great documentation
- Premium plan is required for more than 3 results.
- [Showcase Video](#)



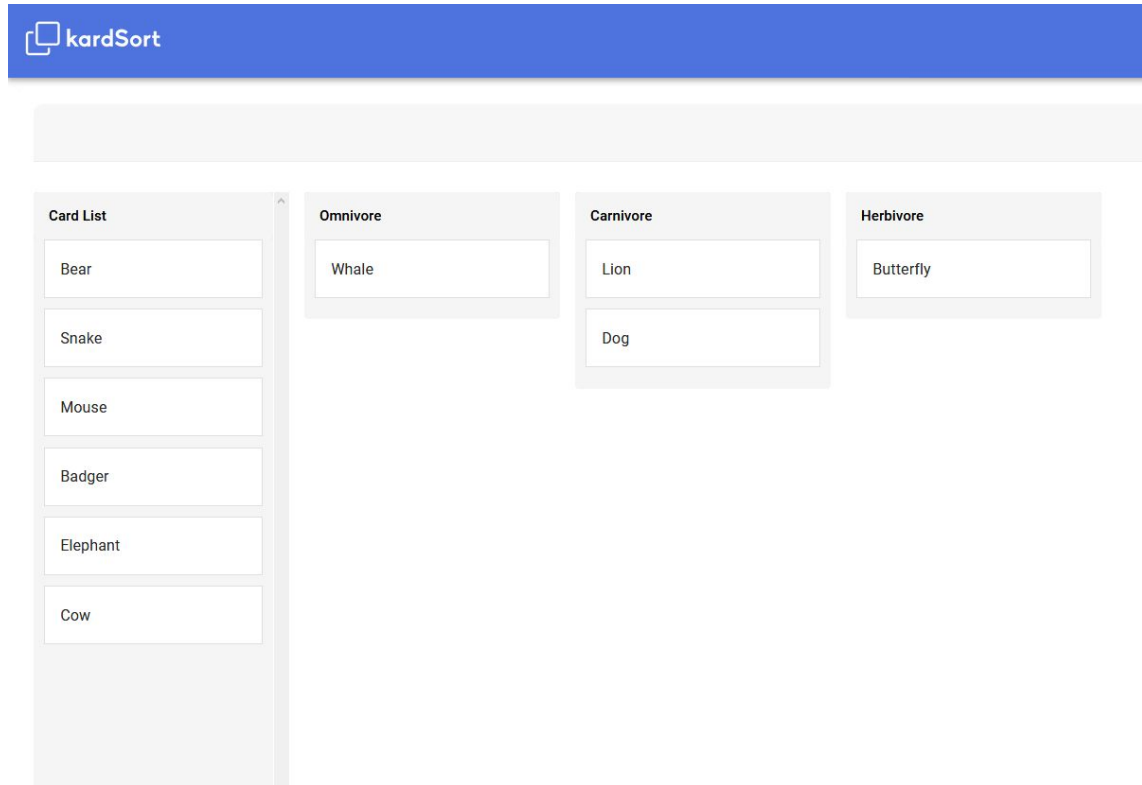
ProvenByUsers

Pro	Contra
Good written documentation.	Max. 3 participants (free version).
Large number of analysis tools available.	39.95\$ per month for the full version.
Analysis can be exported as .csv or SynCaps.	

Simplicity	Documentation	Features	Business Model
4	4	4	1

kardSort

- Free of charge.
- Very intuitive to handle.
- Simple - maybe too simple.
- [Showcase Video](#)



Screenshot captured by Christopher Oser in Google Chrome, 14.11.2020

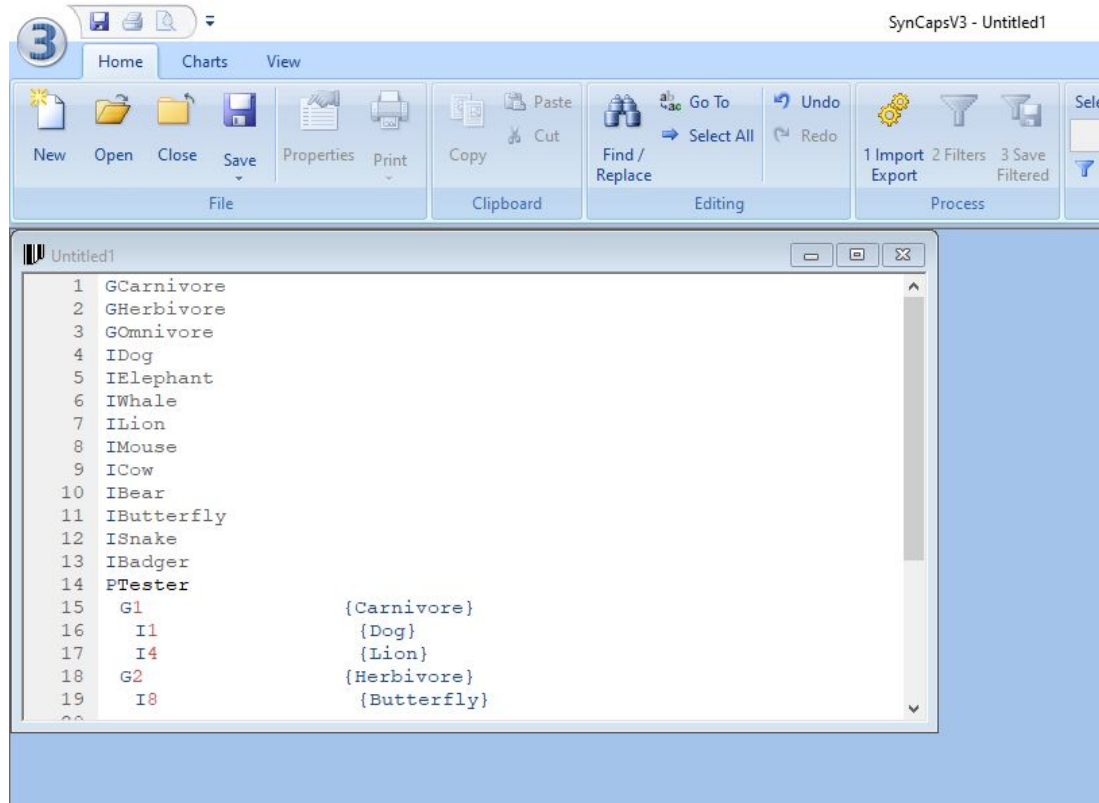
kardSort

Pro	Contra
Free of charge.	No built in analytics.
Very easy to use.	Max. 50 cards.
Supports export for other analytic tools.	Not good for many categories.
Extra questionnaires and personalization options.	

Simplicity	Documentation	Features	Business Model
5	1	1	5

SynCaps

- The mother of card sorting.
- Intended for paper card sorting.
- Analytic tools & format also used by other providers.
- Not up to modern standards.
- [Showcase Video](#)



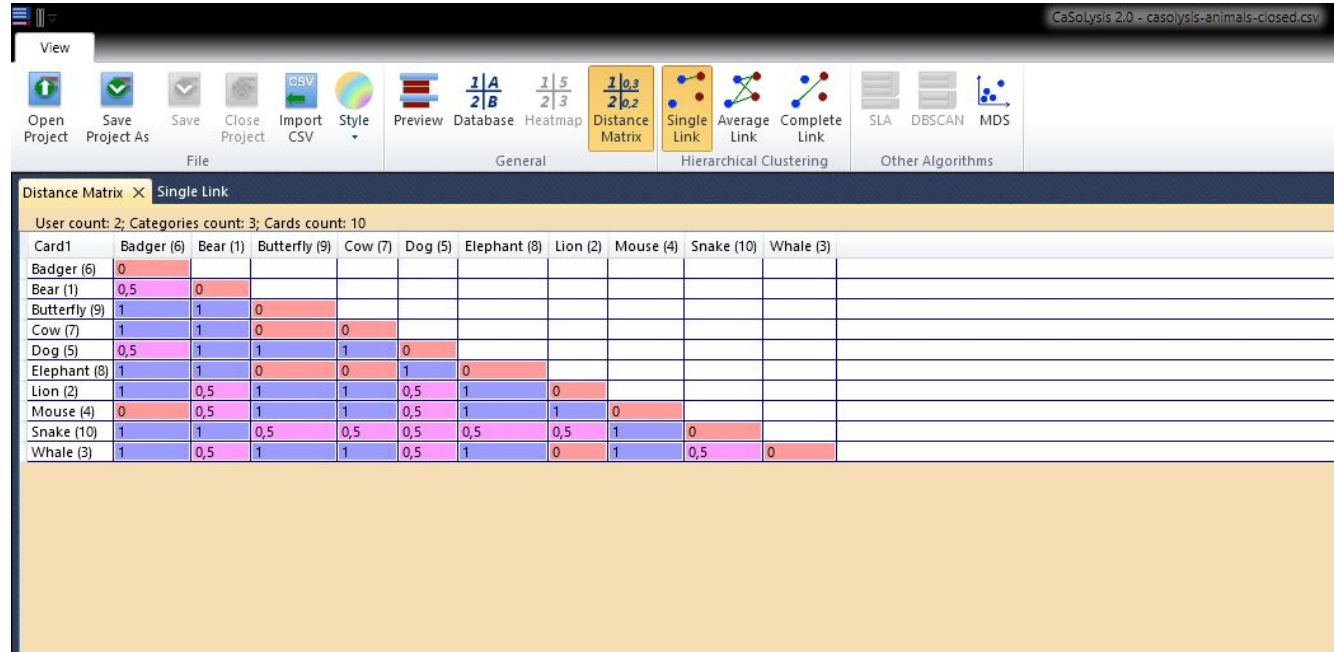
SynCaps

Pro	Contra
Free of charge.	Not intuitive to handle.
Many tiny extra features for analytical purposes.	Physical card sorting or different tool needed.
Supports import and export of .csv and .txt.	Windows installation needed.

Simplicity	Documentation	Features	Business Model
1	2	4 (for analyzing)	5

Casolysis

- Free of charge
- University project
- Intuitive
- No longer under development.
- Windows .exe



Screenshot captured by Christopher Oser on Windows 10, 15.11.2020

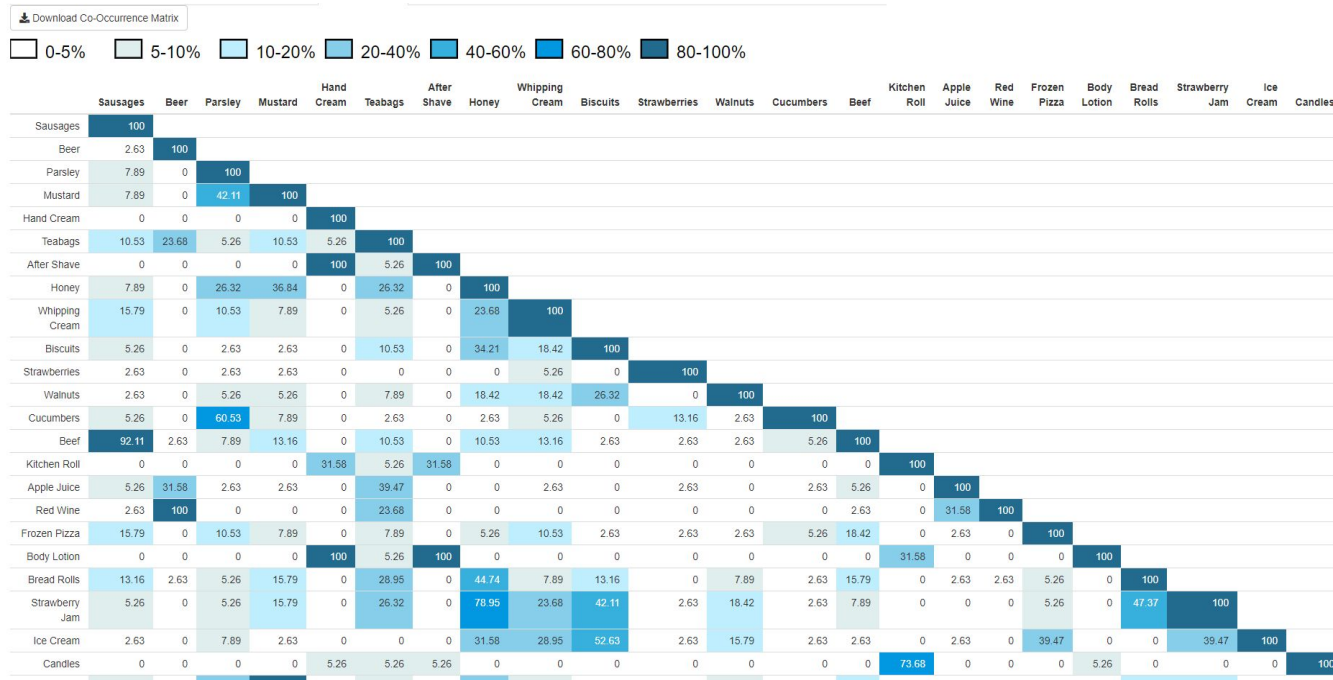
Casolysis

Pro	Contra
Free of charge.	No longer under development.
Great analytic capabilities.	Physical card sorting or different tool needed.
No installation needed.	No documentation available.
Easy to use.	

Simplicity	Documentation	Features	Business Model
4	0	4 (for analyzing)	5

CSA

- University project.
- Not publicly available.
- Requires tedious installation process.
- No longer under development.



Screenshot captured by Markus Ruplitsch on Windows 10, 20.11.2020

CSA

Pro	Contra
Great analytic capabilities.	Not publicly available.
All results can be exported as .csv.	Hard to install for the average user.
	No documentation
	Prone to crashes.
	Physical card sorting or different tool needed.

Simplicity	Documentation	Features	Business Model
0	0	4 (for analyzing)	0

Tool Comparison

Name	Simplicity	Documentation	Features	Business Model	Average
OptimalSort	4	5	5	3	4.25
UXtweak	5	4	4	3	4.00
ProvenByUsers	4	4	4	1	3.50
Casolysis	4	0	4	5	3.25
kardSort	5	1	1	5	3.00
SynCaps v3	1	2	4	5	3.00
xSort	2	2	3	4	2.75
CSA	0	0	4	0	1.00

Recommendations

Best Allrounder:

OptimalSort

Best Bang for your Buck:

kardSort + free analyt. tool (Casolysis/SynCaps)

Offline:

Paper Cards + SynCaps (Windows)