

Client-Side Many-Valued Context Scaling

Sebastian Benner

FB16
Universität Kassel

December 6, 2019

Table of Contents

- 1 Task
- 2 Design
- 3 Live-Demo
- 4 Feedback

Table of Contents

- 1 Task
- 2 Design
- 3 Live-Demo
- 4 Feedback

From the website:

"Um Datensätze mit z.B. numerischen oder ordinalen Einträgen mit Methoden der Formalen Begriffsanalyse untersuchen zu können, müssen diese zuerst in eine entsprechende Form gebracht (also skaliert) werden. In diesem Projekt soll ein interaktives Tool erstellt werden, mit dem Datensätze begrifflich skaliert werden können."

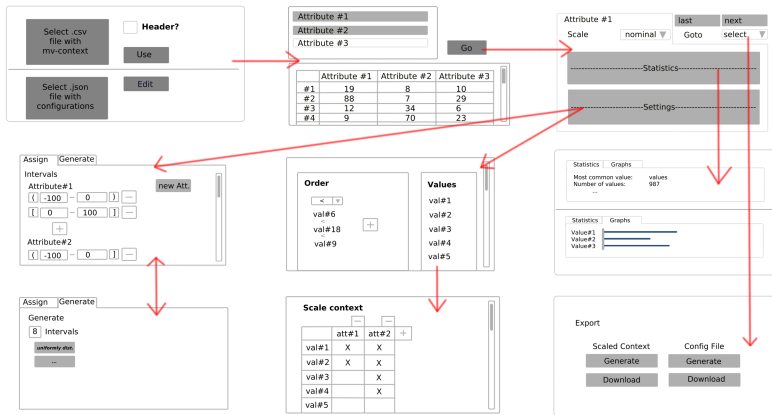
Table of Contents

- 1 Task
- 2 Design
- 3 Live-Demo
- 4 Feedback

Initial Draft



Initial Draft



Select .csv
file with
mv-context

☐

Header?

Use

Select .json
file with
configurations

Edit

Figure: Select files to upload

Select attributes

Attribute #1

Attribute #2

Attribute #3

Go

	Attribute #1	Attribute #2	Attribute #3
#1	19	8	10
#2	88	7	29
#3	12	34	6
#4	9	70	23

Figure: Select attributes to scale

Actual scaling

Attribute #1

Scale

nominal ▼

last

next

Goto

select ▼

-----Statistics-----

-----Settings-----

Figure: For each attribute, select the scaling

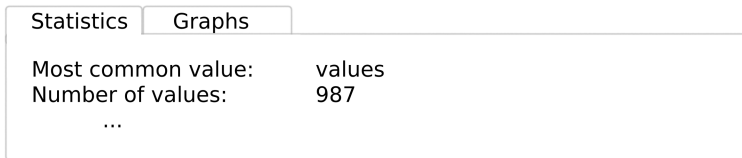


Figure: Some statistics based on chosen measure

Ordinal scaling

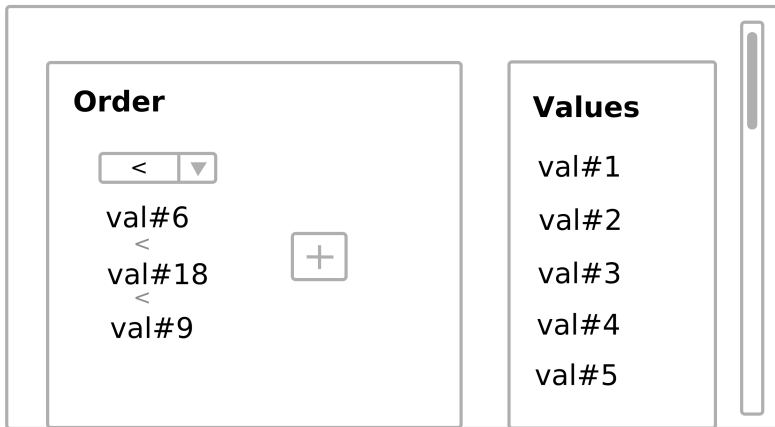


Figure: Sort with drag and drop

Scale context

	<div>-</div> att#1	<div>-</div> att#2	<div>+</div>
val#1	X	X	
val#2	X	X	
val#3		X	
val#4		X	
val#5			




Figure: Edit the scale directly

Numeric scaling

Assign **Generate**

Intervals

Attribute#1

(-100 - 0) —

[0 - 100] —

+

Attribute#2

(-100 - 0] —

new Att.

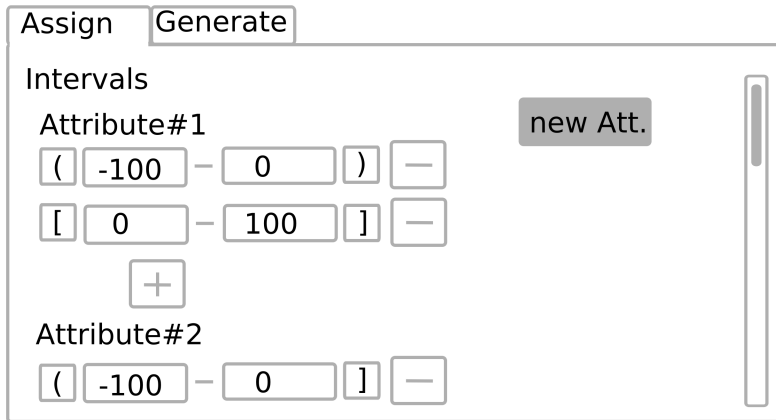


Figure: Set different intervals per hand

Numeric scaling

Assign

Generate

Generate

8

Intervals

uniformly dist.

...

Figure: Use predefined intervals

Export

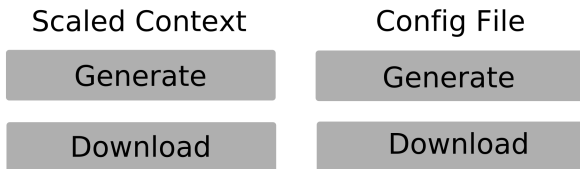


Figure: Export panel

Table of Contents

- 1 Task
- 2 Design
- 3 Live-Demo**
- 4 Feedback

Table of Contents

- 1 Task
- 2 Design
- 3 Live-Demo
- 4 Feedback**