

# Client-Side Many-Valued Context Scaling Featurelist

December 4, 2019

# 1 Panel

Select .csv  
file with  
mv-context

☐ **Header?**

Use

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Select .json  
file with  
configurations

Edit

Figure 1: The panel to select files (both versions)

## 1.1 Features

- Select any local .csv file with a mv-context
- Checkbox to mark existence of a header line
- Different input box to instead reuse a .json file with an old configuration
- Button to second panel

## 2 Panel

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 2: Preselection panel

### 2.1 Features

- Select all Attributes (multi-select input) to scale (gray) and to exclude (white)
- Preview of the context in scroll-able box (x and y axis)
- Button to third panel

### 3 Panel

Attribute #1

Scale nominal ▼

last next

Goto select ▼

-----Statistics-----

-----Settings-----

Figure 3: Scaling panel

- Preselected scaling option for each attribute
- Option to choose different measurement levels (ordinal and numeric)
- Descriptive statistics for values of each attribute
- Settings to change scaling
- Button to iterate attributes
- Selection to jump between attributes

### 3.1 Statistics

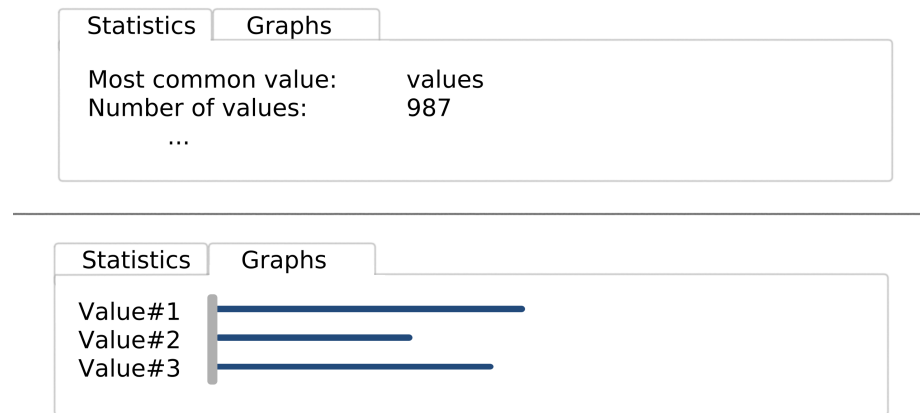


Figure 4: Statistics panel

- Based on data type and measure: mean, median, list of all values , most common element etc.
- Distribution graphs

### 3.2 Settings

- Nominal
  - Entirely automatic
- Ordinal

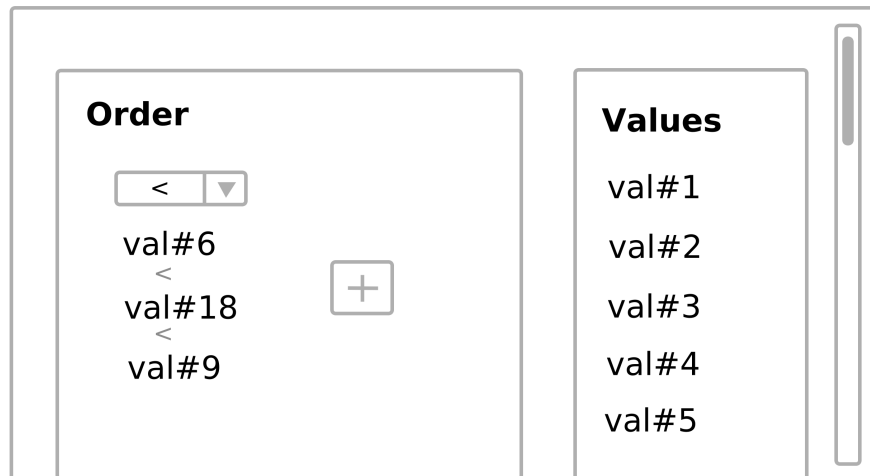


Figure 5: Drag and Drop Version

- Sort values with drag and drop
- Different incomparable groups
- Different types of order
- All unused values are scaled nominally

Scale context

–

–

	att#1	att#2	+
val#1	X	X	
val#2	X	X	
val#3		X	
val#4		X	
val#5			

Figure 6: Custom context

- Option to edit scale context directly
- Add and remove rows

- Numeric

Assign

Generate

Intervals

Attribute#1

(

-100

–

0

)

–

[

0

–

100

]

–

+

Attribute#2

(

-100

–

0

]

–

new Att.

Figure 7: Custom intervals

- Use predefined intervals with custom amount

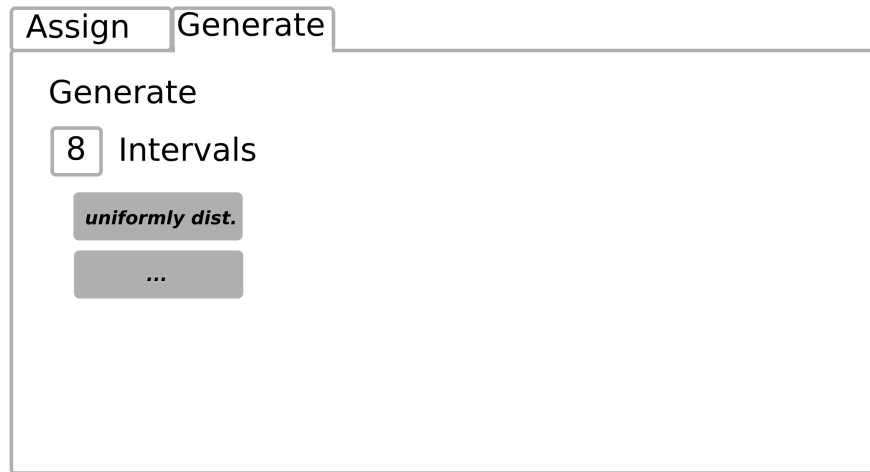


Figure 8: Generate predefined intervals

– Generate custom intervals

### 3.3 Export

#### Export

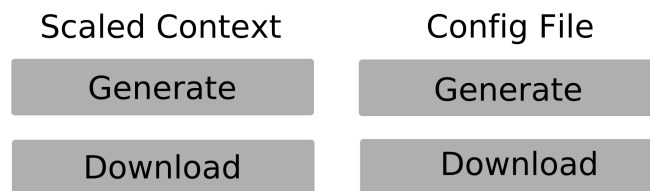


Figure 9: Export panel

- Apply scales to mv-context and download it
- Context in Burmeister format



- Option to download .json config file to edit the scaling later