Client-Side Many-Valued Context Scaling Featurelist

November 26, 2019

1 Panel

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
#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

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
- Last "attribute" is export panel

3.1 Statistics

Statistics | Graphs

Most common value: values
Number of values: 987
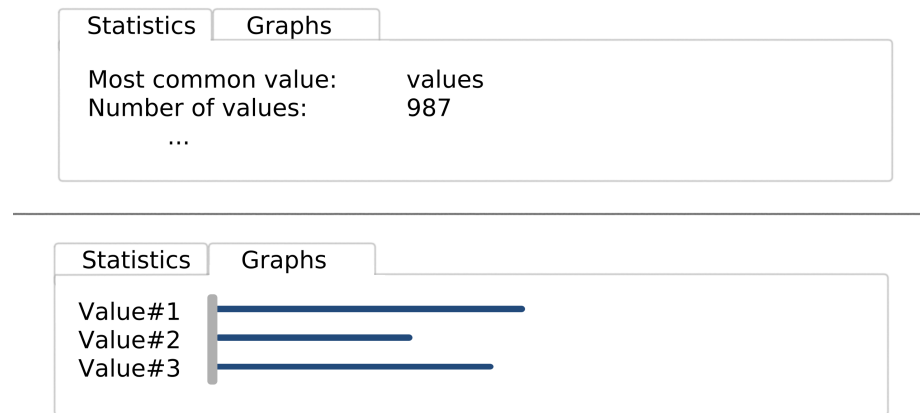   ...

Statistics | Graphs

Value#1
Value#2
Value#3

Figure 4: Statistics panel

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

- Distribution graphs

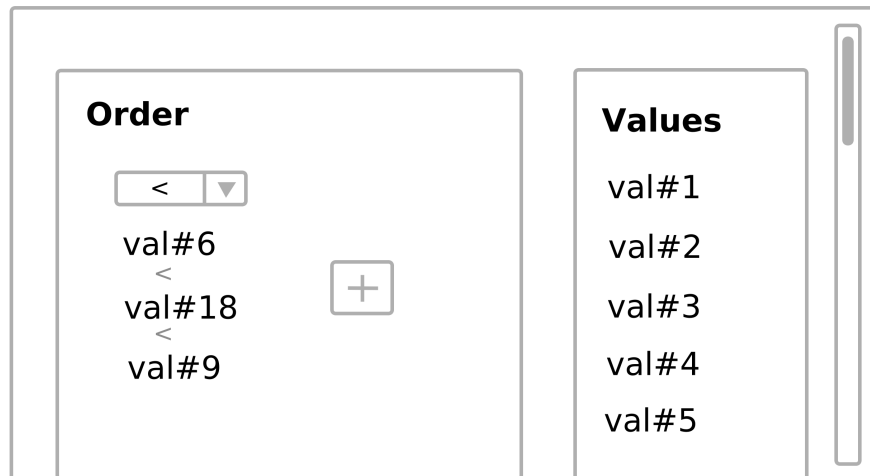## 3.2 Settings

- 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

Intervals

-100 — 0

0 — 100

Presets
☐ Intervals
uniformly dist.
...

Figure 7: Custom context

– Use predefined intervals with custom amount

– Set custom intervals

3.3   Export

- Apply scales to mv-context and download it

- Context in Burmeister format

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