Client-Side Many-Valued Context Scaling

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1 Task

Implementation of a client-side web-application to scale many-valued contexts in clojurescript using Reagent and Re-Frame. The CSS is done by using Bulma.

1.1 Timetable

There are several major steps to be taken:

1. A basic skeleton which reads in .csv files, scales them all in the most basic way and exports the resulting context as file. (2-3 weeks)

2. Implement functions for all types (nominal, ordinal and numeric) of scaling. (1-2 weeks)

3. Build an interface for the user to manipulate the scaling for each attribute with some helpful statistics. (3-4 weeks)

4. Export a config-file which can later be imported to quickly change the method of scaling. (1 week)

5. Implement algorithms to suggest more optimal scaling and minimize user input. (1-2 weeks)

6. Give more detailed statistics and graphs for each attribute. (optional)

Overall time for implementation: 8-12 weeks. The remaining weeks are to be used for the written part and presentation.