

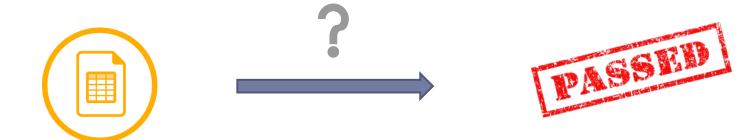
"Validaty" shiny app

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Problem

- quick test of the dataset quality : are specific rules followed or not ?
- domain experts set the rules + can communicate results of test
- no programming experience needed





R packages behind the idea

"validate" (Mark van der Loo, Edwin de Jonge, Paul Hsieh)

1) Basic data validation:

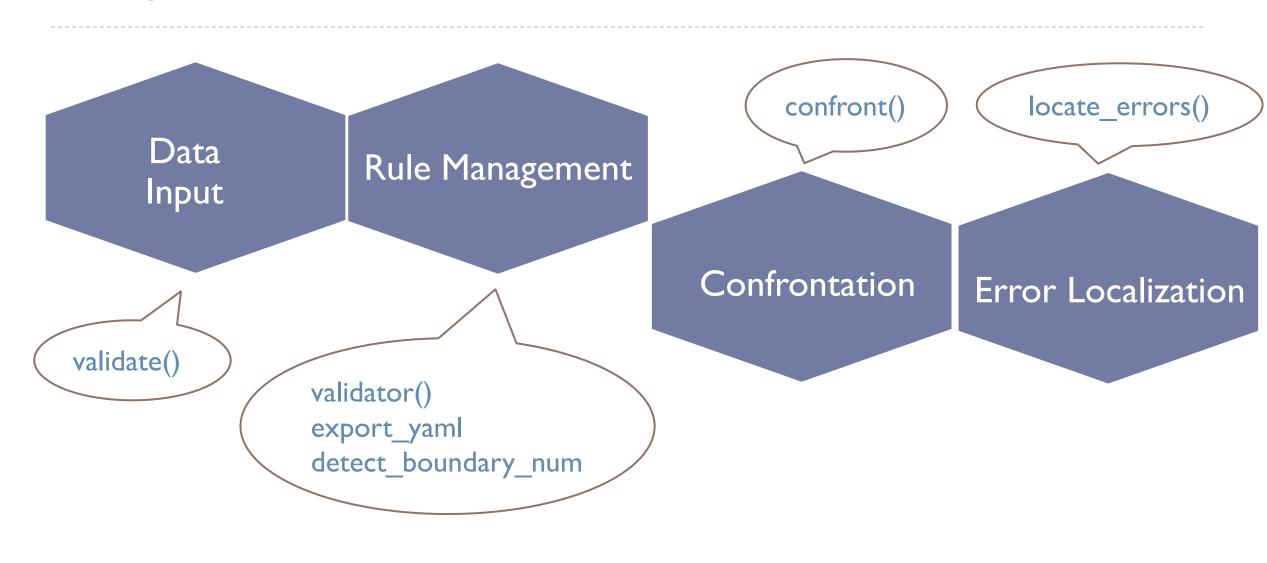
- Enter rules and their metadata.
- Apply rules to a dataset interactively. Update as rules are added.
- Import and export rules from and to file.
- Show an interactive dashboard with results.

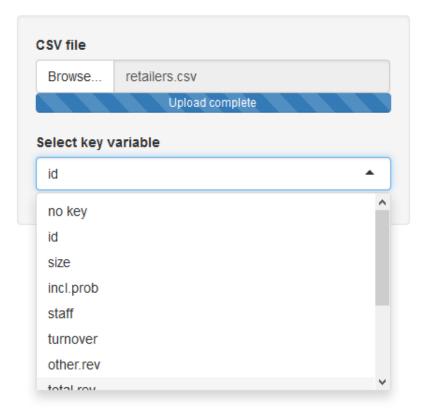
2) Analyze rule sets:

- Visualize the rules and the variables that they 'touch'.
- Interactively look for redundancies or inconsistencies and present it to the user.
- "errorlocate" (Edwin de Jonge, Mark van der Loo)

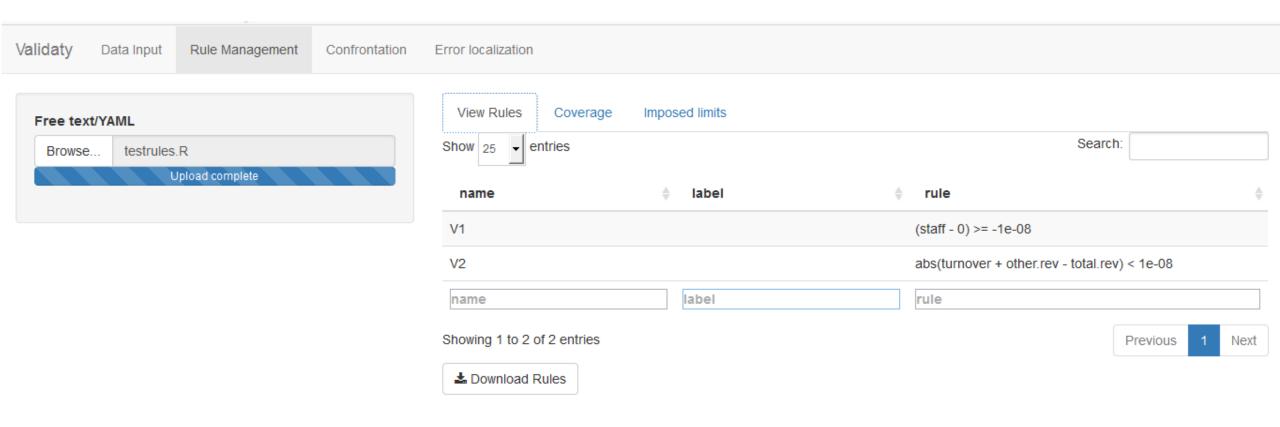


Design - Features





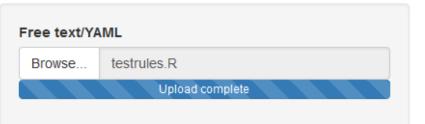
Show 25 entries							Sear	rch:	
id \$	size 🏺	incl.prob $\mbox{$\phi$}$	staff 	turnover $\mbox{$\phi$}$	other.rev $\mbox{$\phi$}$	total.rev 🏺	staff.costs 🏺	total.costs 🏺	profit
RET01	sc0	0.02	75			1130		18915	20045
RET02	sc3	0.14	9	1607		1607	131	1544	63
RET03	sc3	0.14		6886	-33	6919	324	6493	426
RET04	sc3	0.14		3861	13	3874	290	3600	274
RET05	sc3	0.14			37	5602	314	5530	72
RET06	sc0	0.02	1	25		25		22	3
RET07	sc3	0.14	5			1335	135	136	1
RET08	sc1	0.02	3	404	13	417		342	75
RET09	sc3	0.14	6	2596		2596	147	2486	110
RET10	sc2	0.05	5						
RET11	sc2	0.05	5	645		645	130	636	9
RET12	sc2	0.05	5	2872		2872	182	2652	220
RET13	sc3	0.14	13	5678	12	5690	326	5656	34
RET14	sc1	0.02		931397		931397	36872	841489	89908

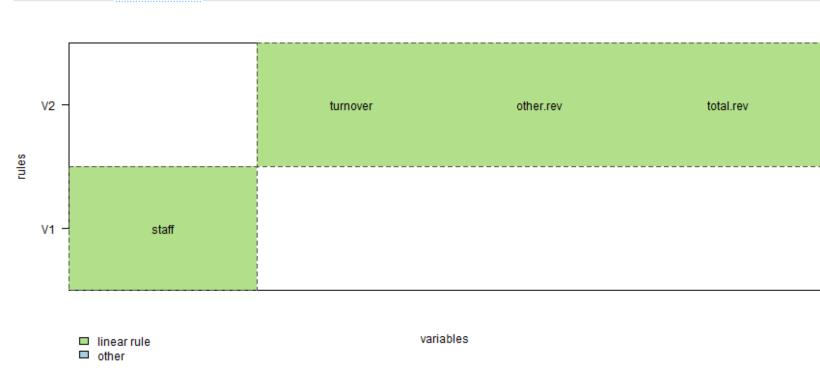




View Rules

Coverage

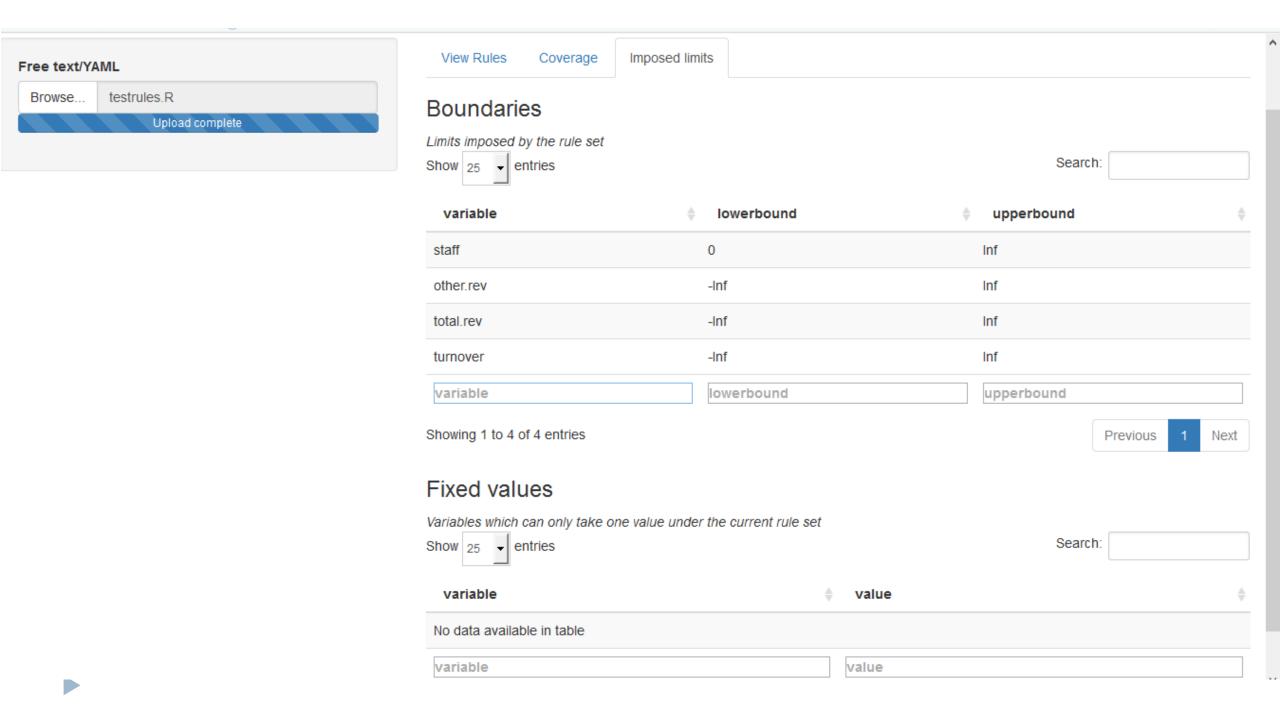


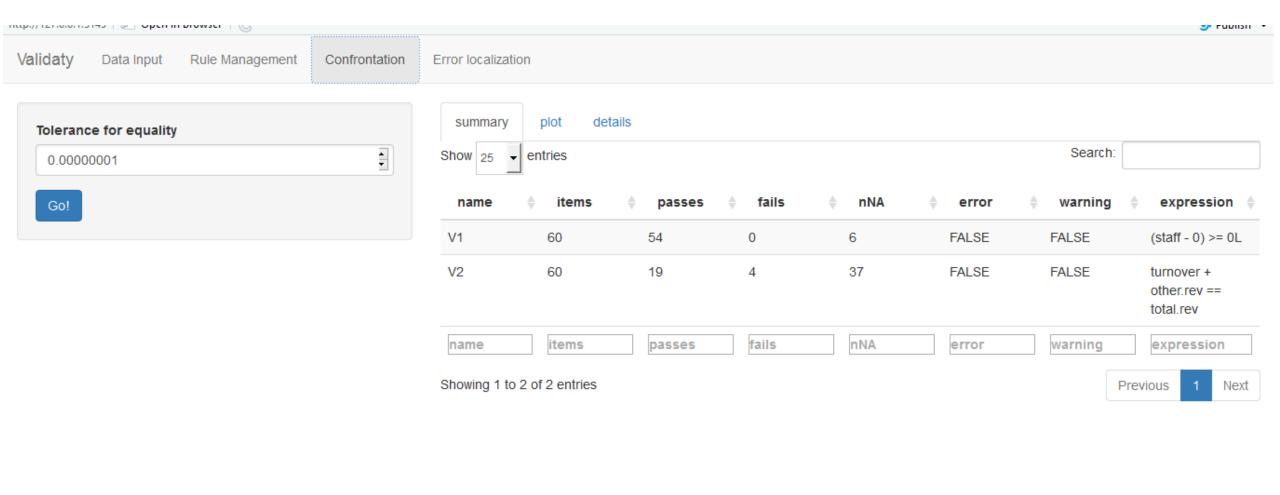


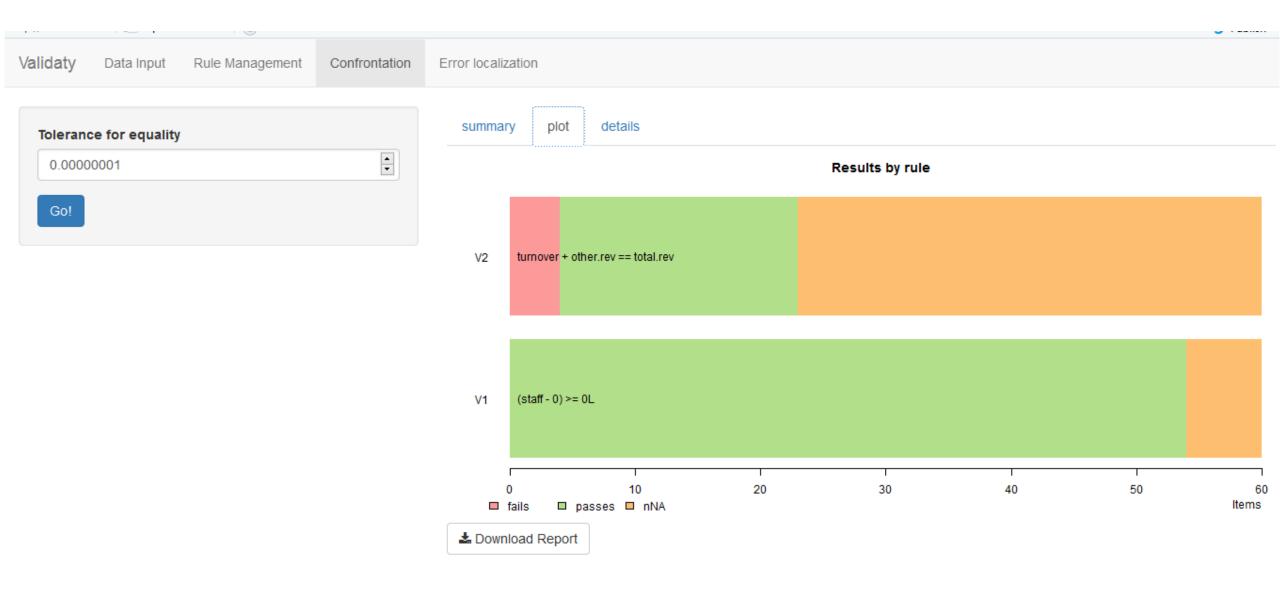
Variables covered: staff, turnover, other.rev, total.rev

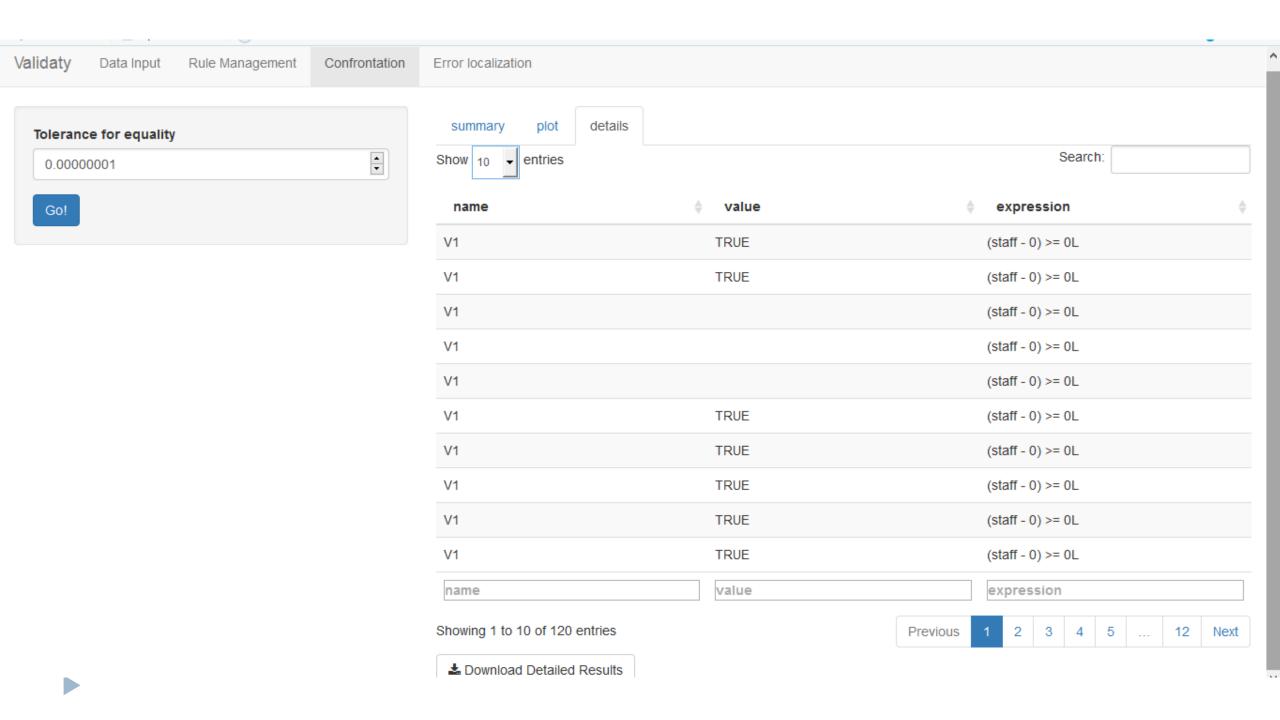
Variables not covered: id, size, incl.prob, staff.costs, total.costs, profit, vat

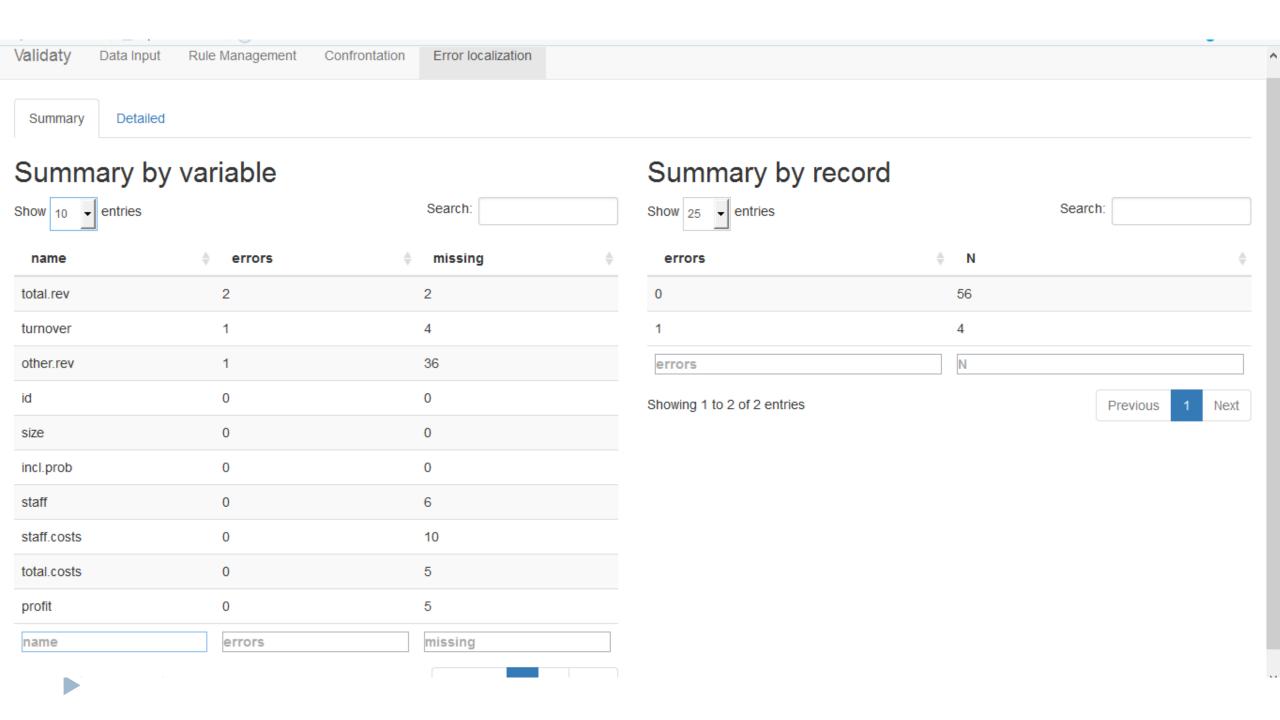
Imposed limits

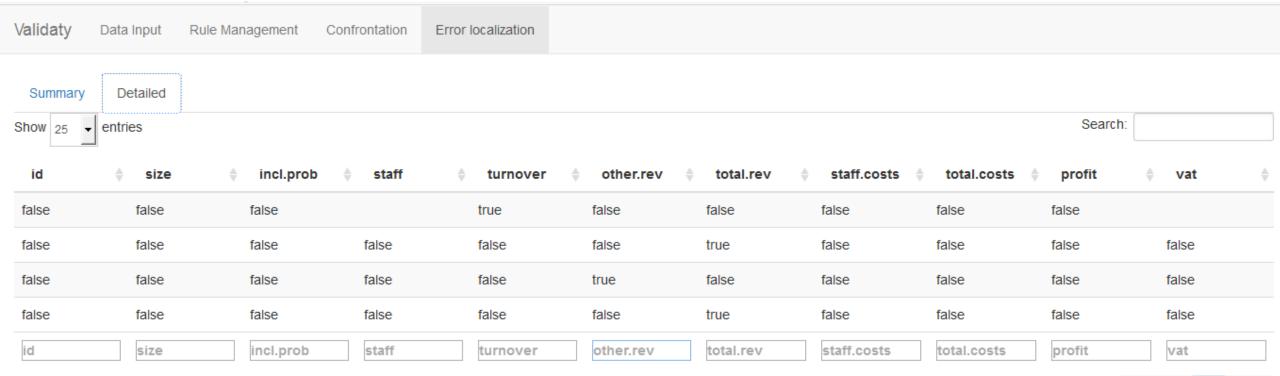












Showing 1 to 4 of 4 entries

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