Go- no-go decisions based on gradually

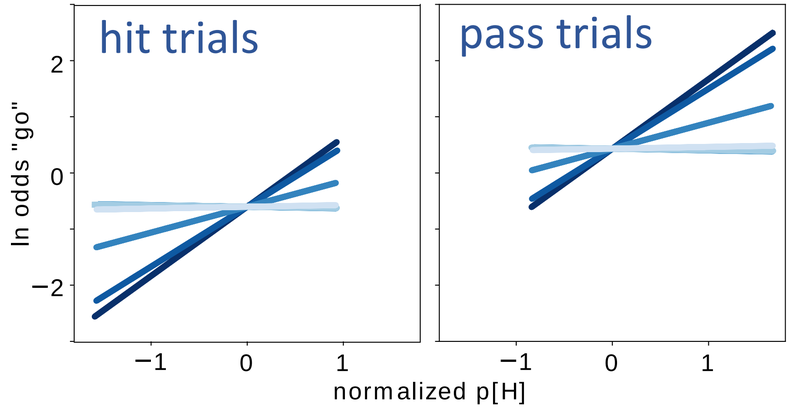
Clara Kuper [1,2], Martin Rolfs [1]

[1]Humboldt-Universität zu Berlin, [2]Berlin School of Mind and Brain

revealed visual information

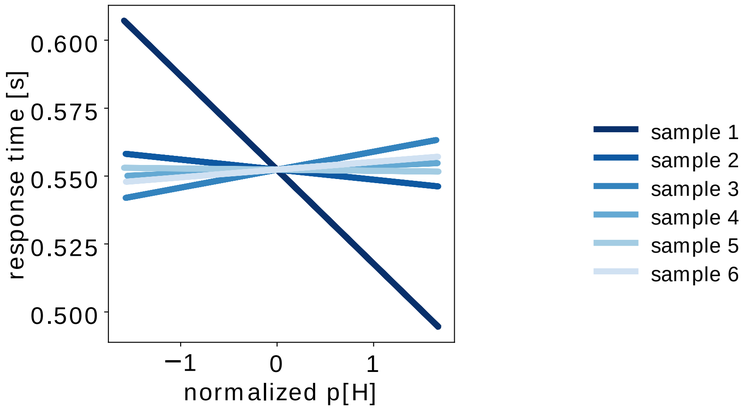
The best fitting linear models were:

response choice ~ sample 1+ sample 2 + sample 3 + trial condition + (1|subject)

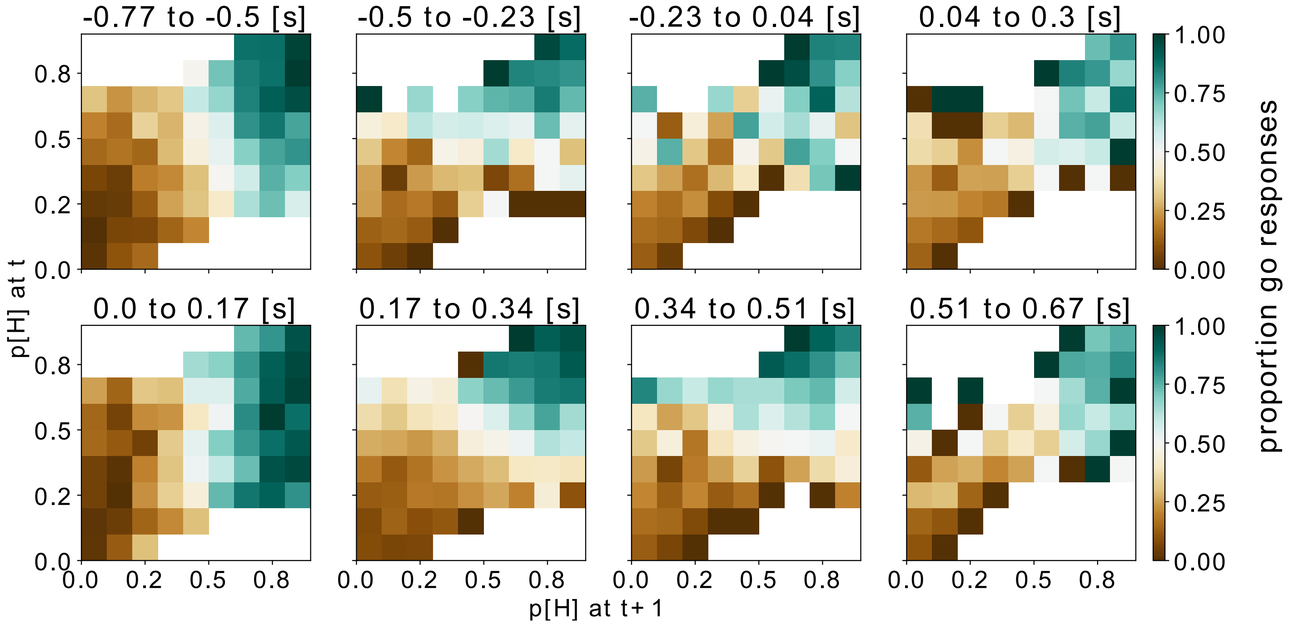


	Estimate	Z-stat	P-val
Intercept	-0.589	-1.952	0.05
sample 1	1.234	28.261	< 0.01
sample 2	1.067	24.900	< 0.01
sample 3	0.461	11.154	< 0.01
trialCondition	1.006	11.408	< 0.01

response time ~ sample 1 + sample 3 + sample 6 + (1|subject)



	Estimate	DF	T-stat	P-val
Intercept	0.56	3.00	17.23	< 0.01
sample 1	-0.034	4743.14	-23.53	< 0.01
sample 3	0.007	4743.05	5.57	< 0.01
sample 6	0.003	4743.01	2.69	< 0.01



Response update patterns of human observers relative to the response onset …

… and relative to the go signal suggest that earlier samples can update the response choice, while later samples can't.

These patterns most closely match the predictions from Go & Adapt model.

See the code
https://github.com/ClaraKuper/VVSS2021