

# Low & Butterfill (2022): Summary so far

A

Inside, Consistent



Inside, Inconsistent



Outside, Consistent

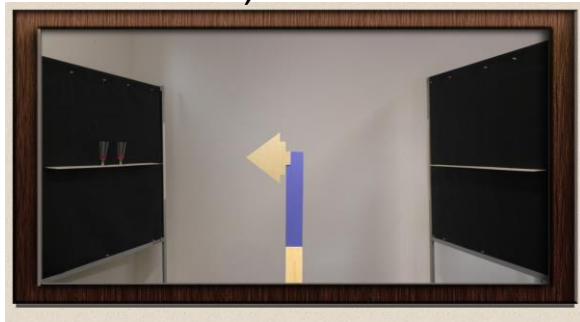


Outside, Inconsistent



B

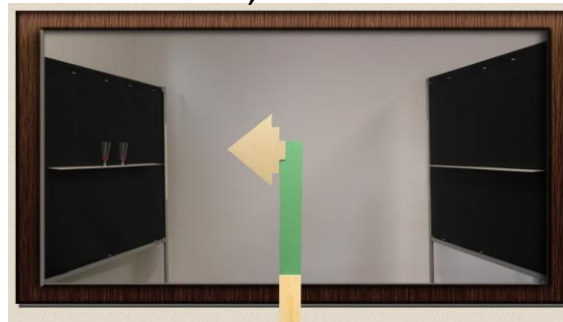
Inside, Consistent



Inside, Inconsistent



Outside, Consistent



Outside, Inconsistent



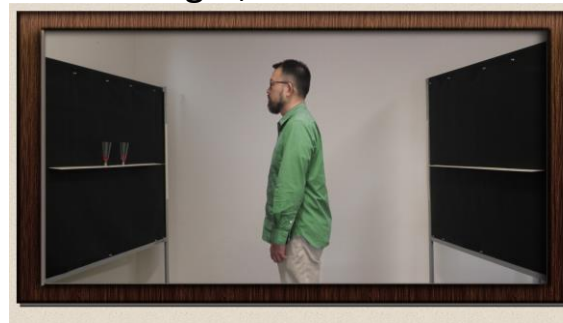
"Small", Consistent



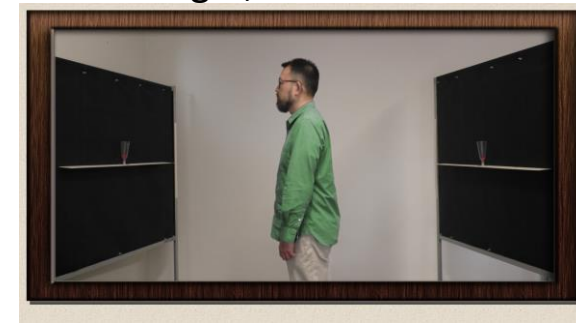
"Small", Inconsistent



"Large", Consistent

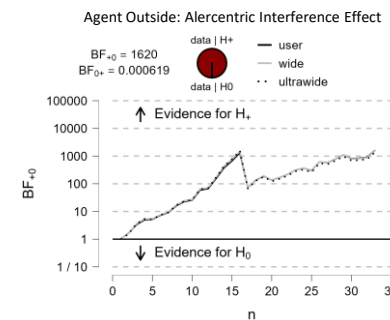
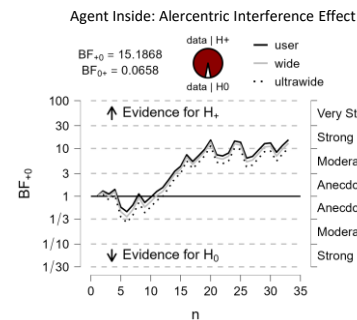
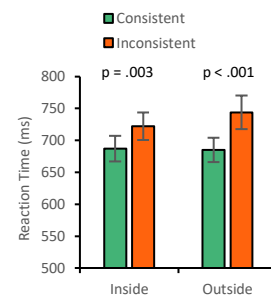
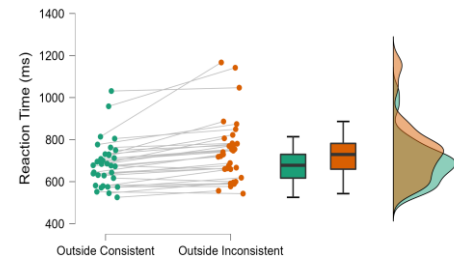
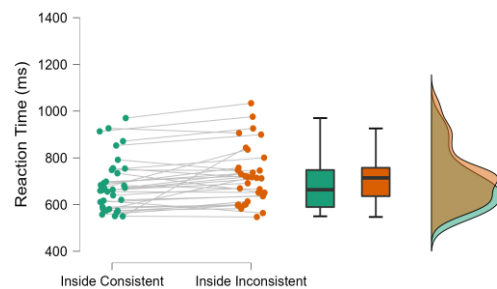


"Large", Inconsistent

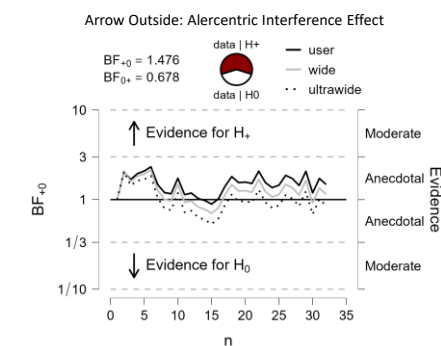
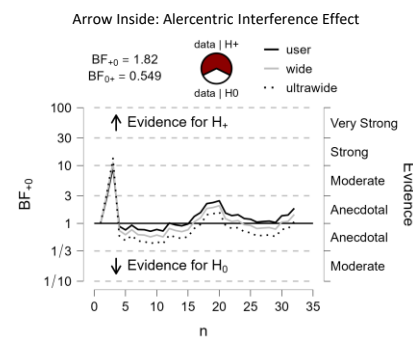
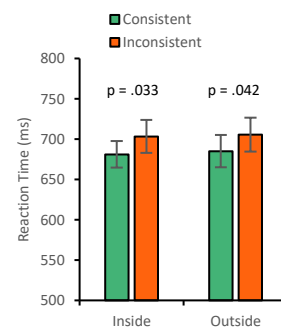
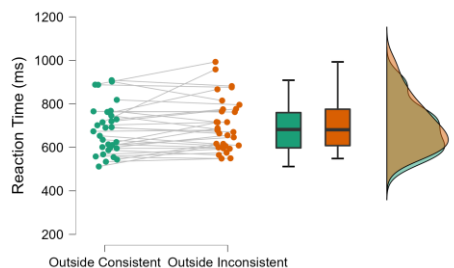
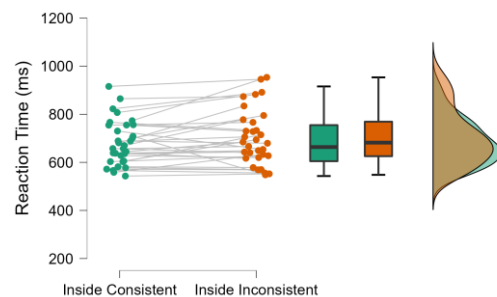


C

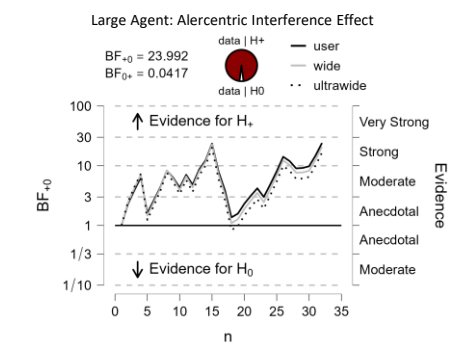
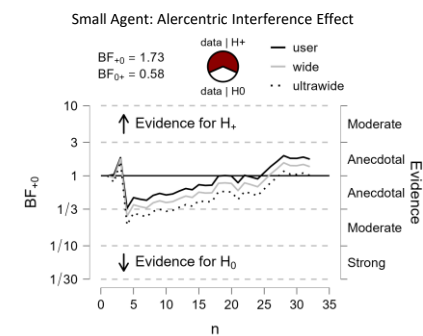
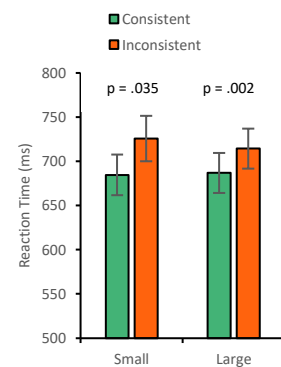
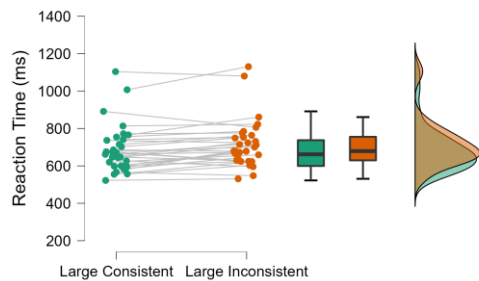
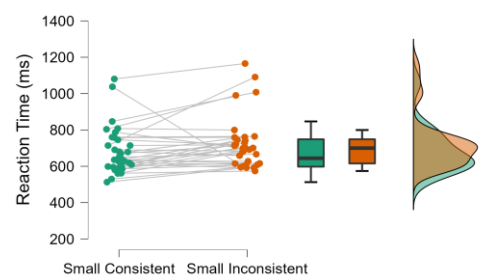
A



B



C



## Experiment 1 vs. Experiment 2

Difference in Reaction Time

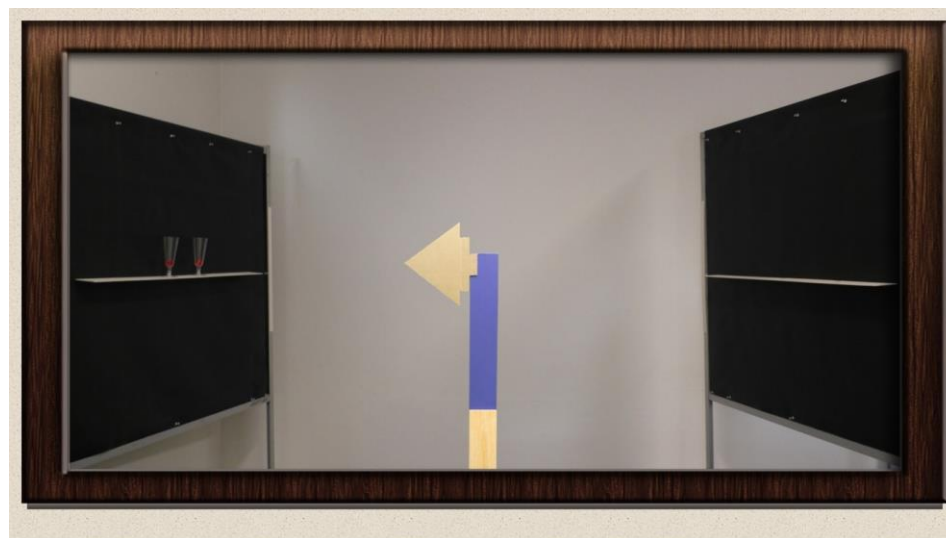
A



B



C



D

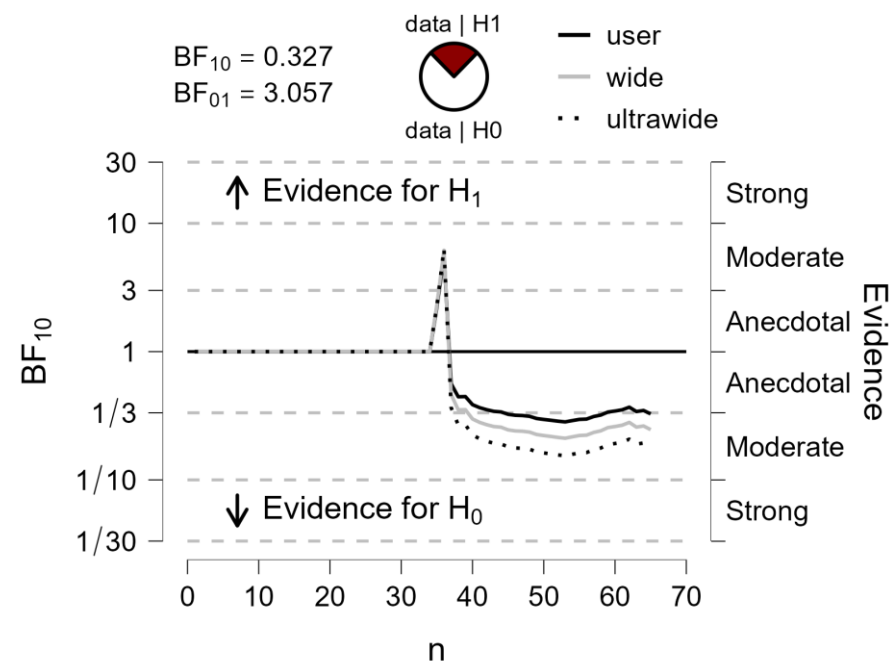
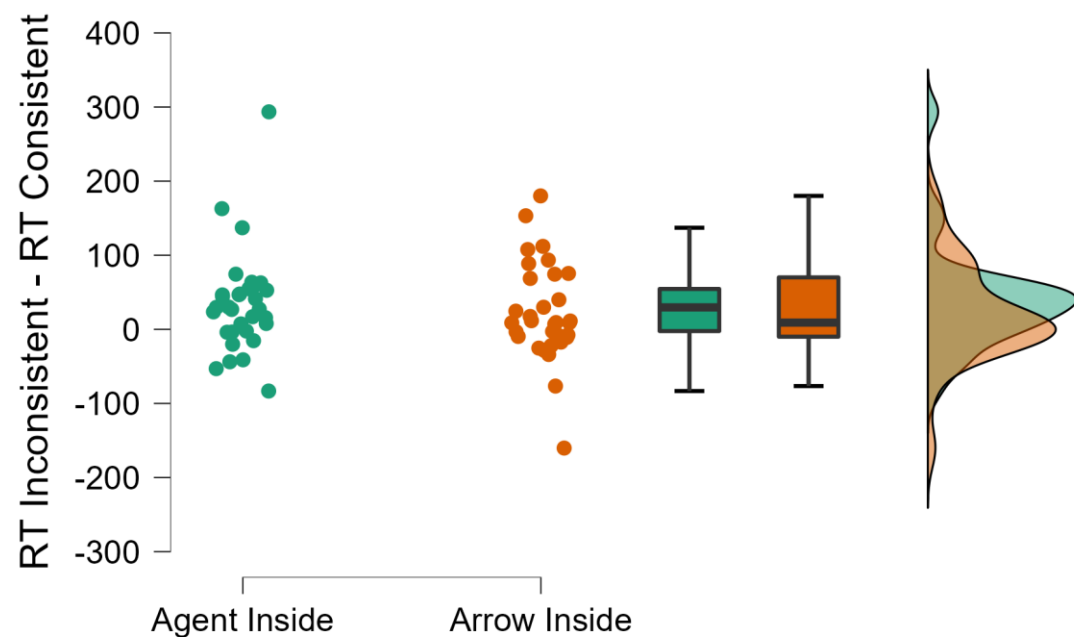


Difference in Reaction Time

# Independent Samples T-Test

	t	df	p	Cohen's d
DiffSmall	0.773	63	0.442	0.192

Note. Student's t-test.



Experiment 1 vs. Experiment 2  
(non-directional t-test)



## Experiment 1 vs. Experiment 2

Difference in Reaction Time

A



B



C



D



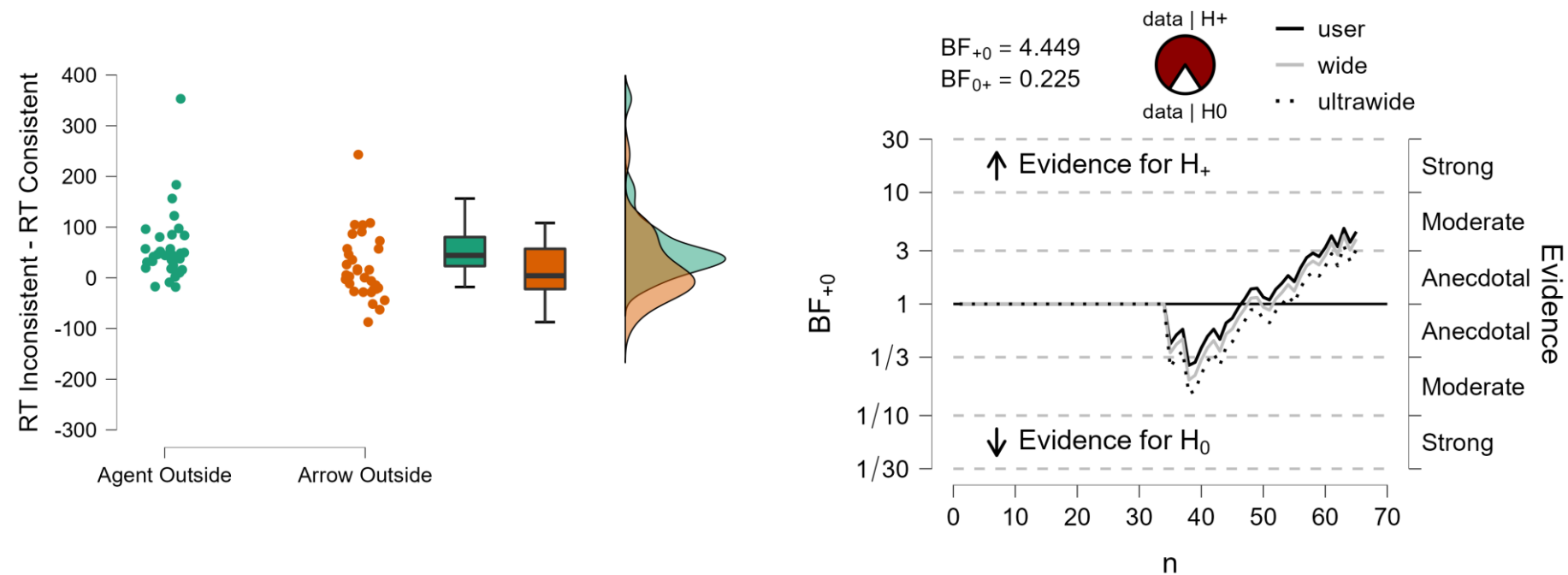
Difference in Reaction Time

Independent Samples T-Test

	t	df	p	Cohen's d
DiffLarge	2.295	63	0.013	0.569

*Note.* For all tests, the alternative hypothesis specifies that group 1 is greater than group 2 .

*Note.* Student's t-test.



Experiment 1 vs. Experiment 2  
(Directional t-test where RT difference predicted to be greater for Agent as compared to Arrow)

## Experiment 1 vs. Experiment 3

Difference in Reaction Time

A



B



C



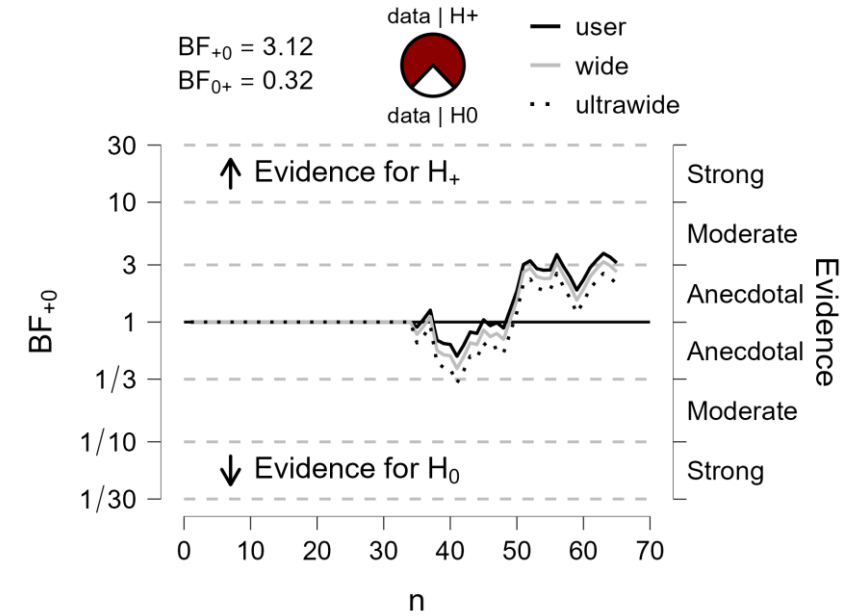
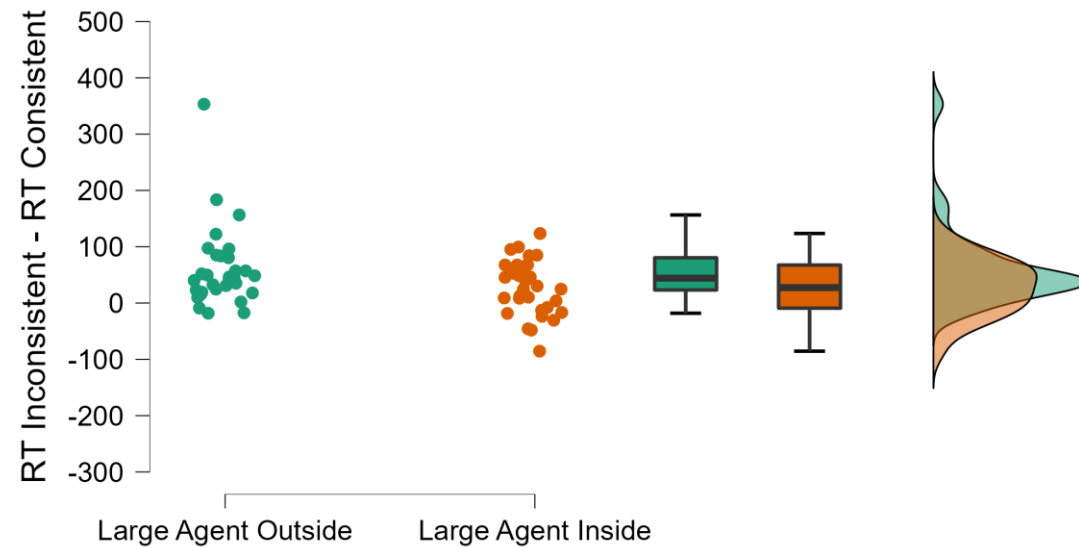
D



Difference in Reaction Time



$t(63) = 2.103$ ,  $p = 0.020$ ; Cohen's  $d = 0.522$  (Mean Difference for Large Agent Outside = 58.90 ms & Mean Difference for Large Agent Inside = 27.58 ms) (Directional t-test)



## Experiment 1 vs. Experiment 3

Difference in Reaction Time

A



B



C



D



Difference in Reaction Time

$t(63) = -0.237$ ,  $p = 0.814$ ; Cohen's  $d = -0.059$  (Mean Difference for Small Agent Inside Expt. 1 = 35.17 ms & Mean Difference for Small Agent Inside Expt. 2 = 40.91 ms) (non-directional t-test)

