

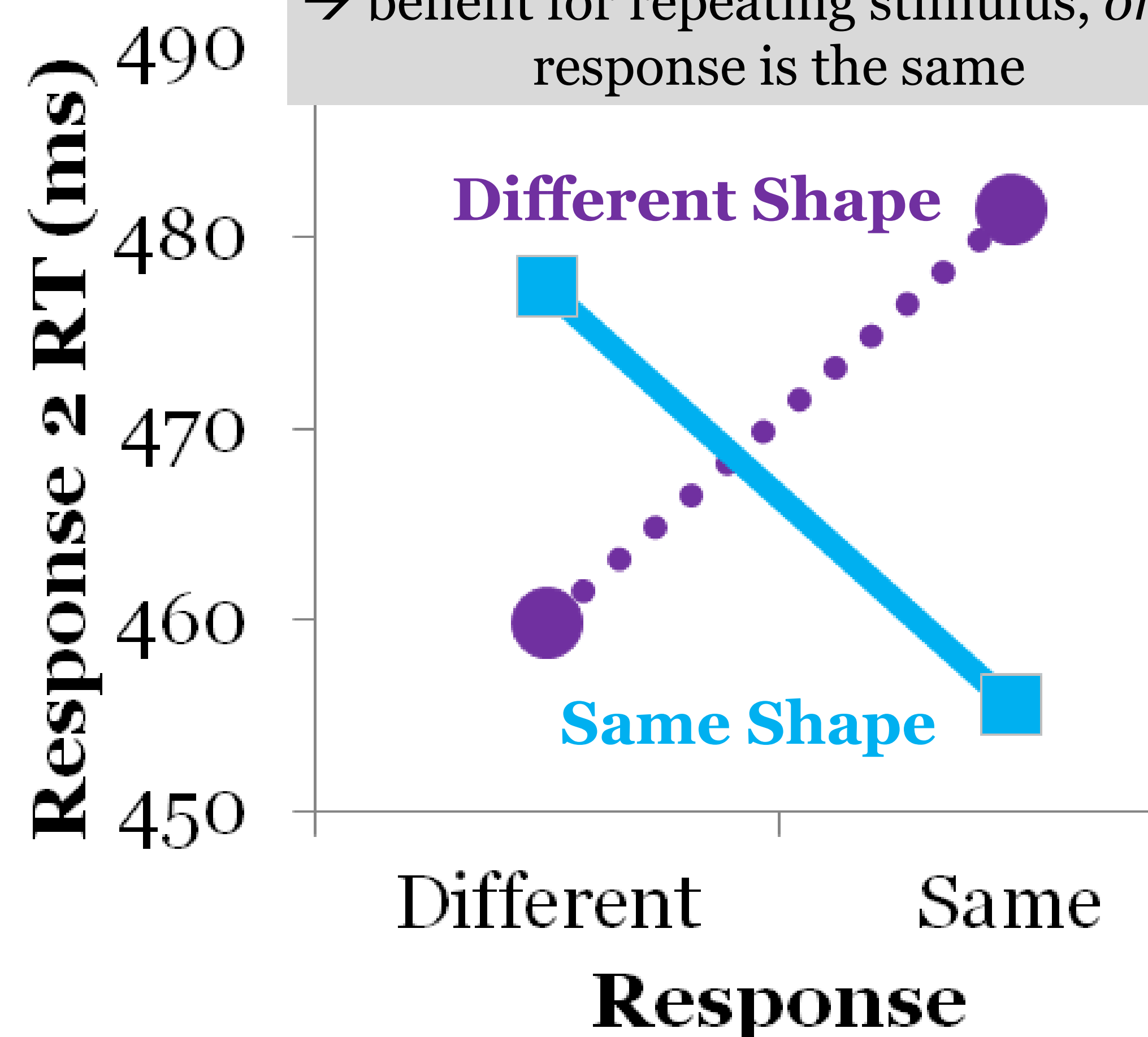
Event Files Can Contain Conceptual Information



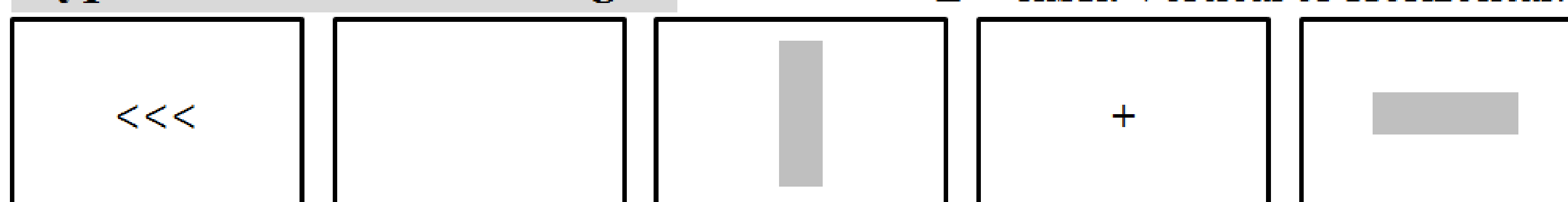
Blaire J. Weidler & Richard A. Abrams

Typical Pattern

→ benefit for repeating stimulus, *only* if response is the same

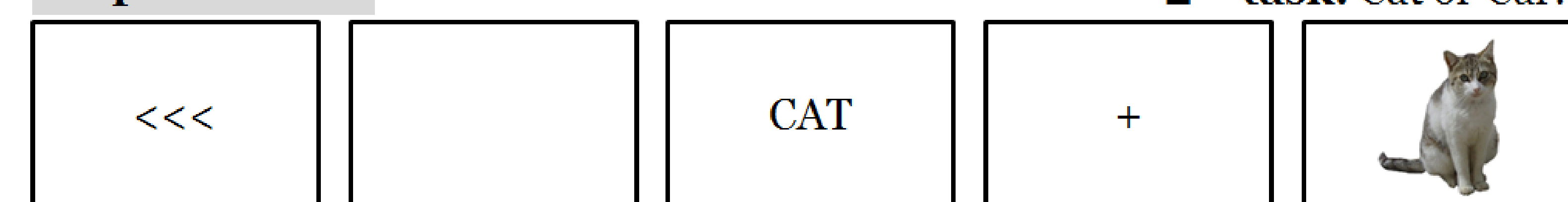


Typical Event File Paradigm



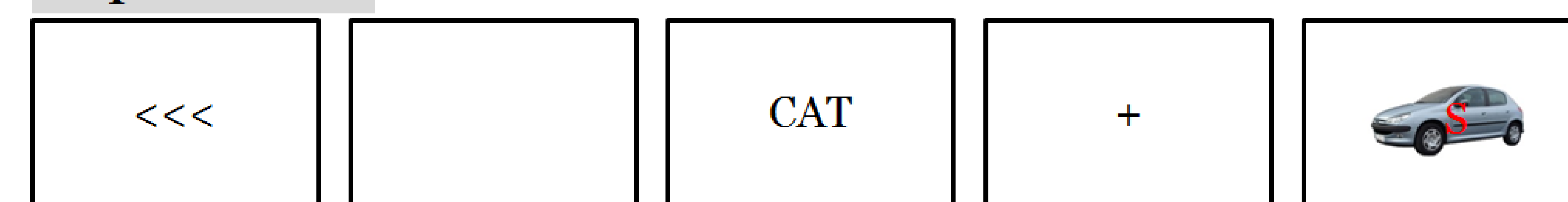
1^{st} task: direction of arrows

Experiment 1



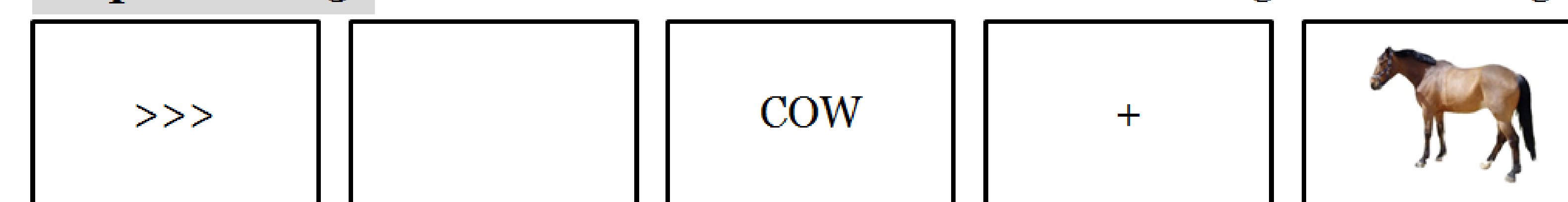
2^{nd} task: Cat or Car?

Experiment 2



2^{nd} task: S or H?

Experiment 3









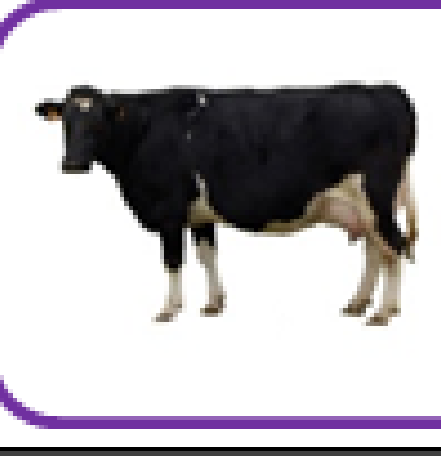



2^{nd} task: Living or Non-Living?

Experiment 4



2^{nd} task: Edible or Non-Edible?

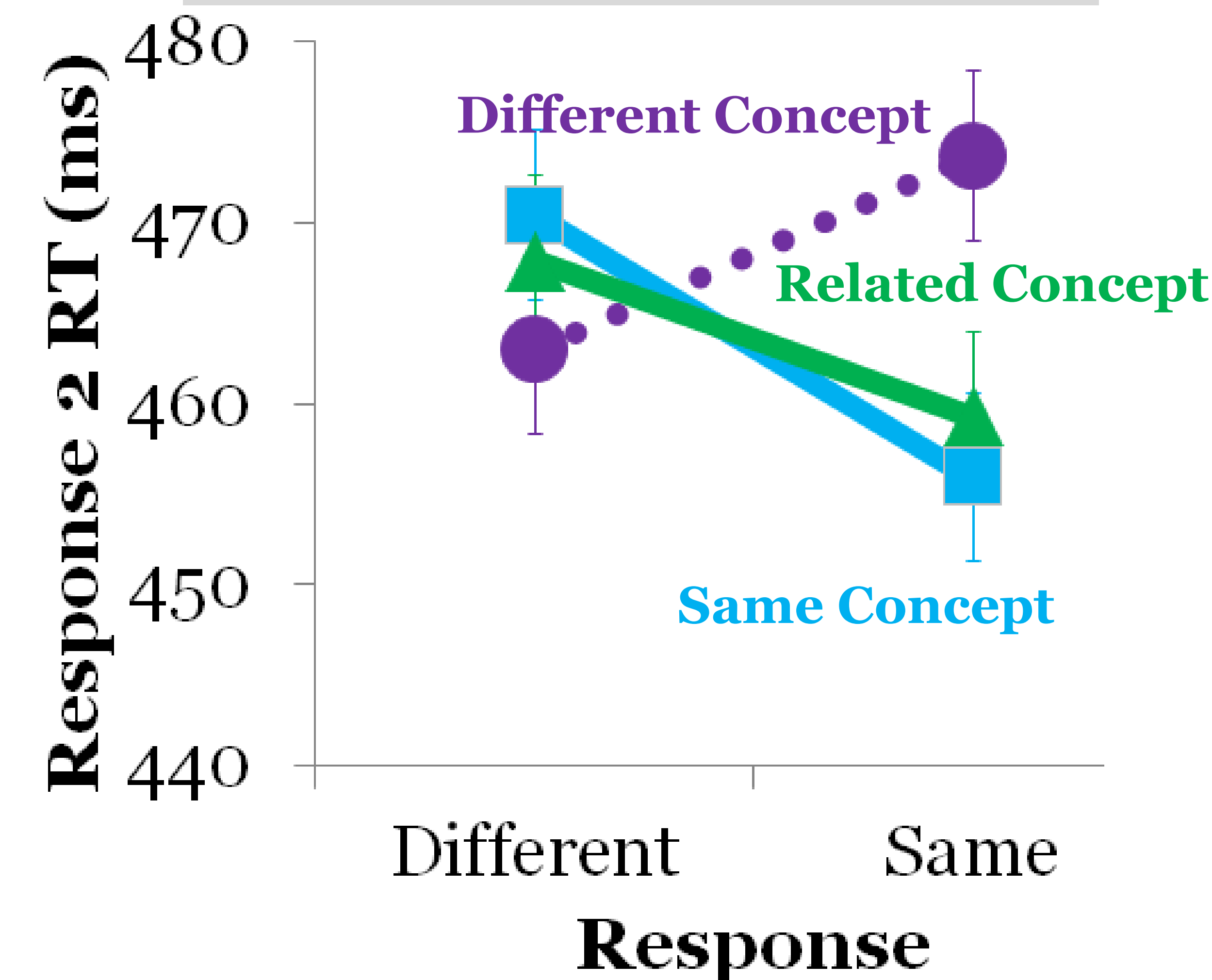
1506 ms 1000 ms 506 ms (or response) 506 ms (or response) 2000 ms (or response)

Expt #	1st Stimuli	2nd Stimuli																								
1	CAT CAR	 																								
2	CAT CAR	   																								
3	COW CAR	   																								
4	APPLE CAR	<table border="0"> <tr> <td>PEAR</td> <td>CANDY</td> <td>DASHBOARD</td> <td>DRIVEWAY</td> </tr> <tr> <td>PIE</td> <td>GRAPE</td> <td>VEHICLE</td> <td>DRIVE</td> </tr> <tr> <td>FRUIT</td> <td>TANGERINE</td> <td>AUTOMOBILE</td> <td>VAN</td> </tr> <tr> <td>BANANA</td> <td>CARROT</td> <td>BUMPER</td> <td>MOTOR</td> </tr> <tr> <td>ORANGE</td> <td>PEACH</td> <td>TRANSPORTATION</td> <td>MECHANIC</td> </tr> <tr> <td>CHERRY</td> <td>PLUM</td> <td>GARAGE</td> <td>LIMOUSINE</td> </tr> </table>	PEAR	CANDY	DASHBOARD	DRIVEWAY	PIE	GRAPE	VEHICLE	DRIVE	FRUIT	TANGERINE	AUTOMOBILE	VAN	BANANA	CARROT	BUMPER	MOTOR	ORANGE	PEACH	TRANSPORTATION	MECHANIC	CHERRY	PLUM	GARAGE	LIMOUSINE
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CHERRY	PLUM	GARAGE	LIMOUSINE																							

For the 1^{st} stimulus "CAR", 2^{nd} stimuli circled in blue = **same concept**, purple = **different concept**, green = **related concept**

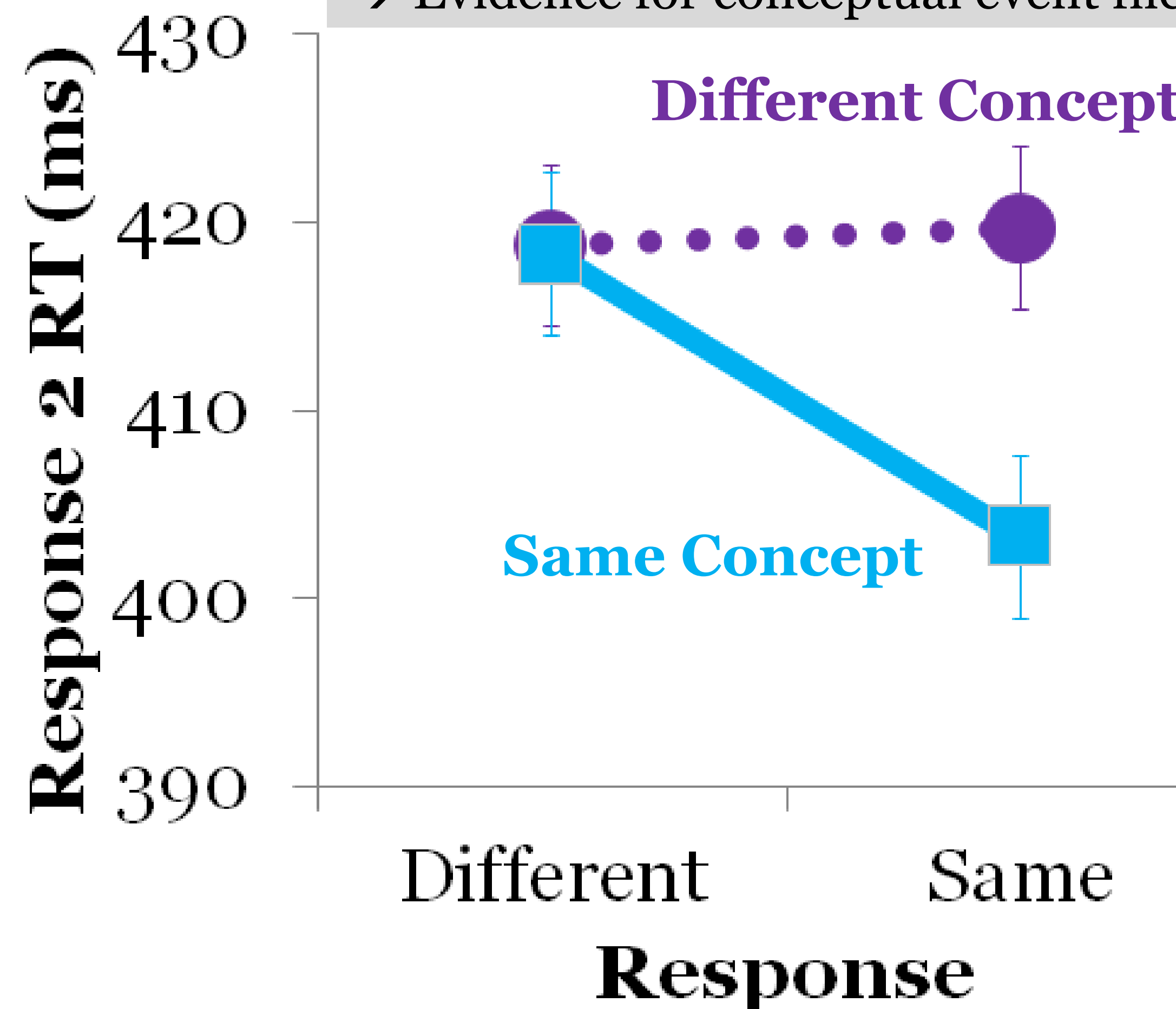
Experiment 3

→ evidence for conceptual event files when classify at higher categorical level
+ extends to **semantically related items?**



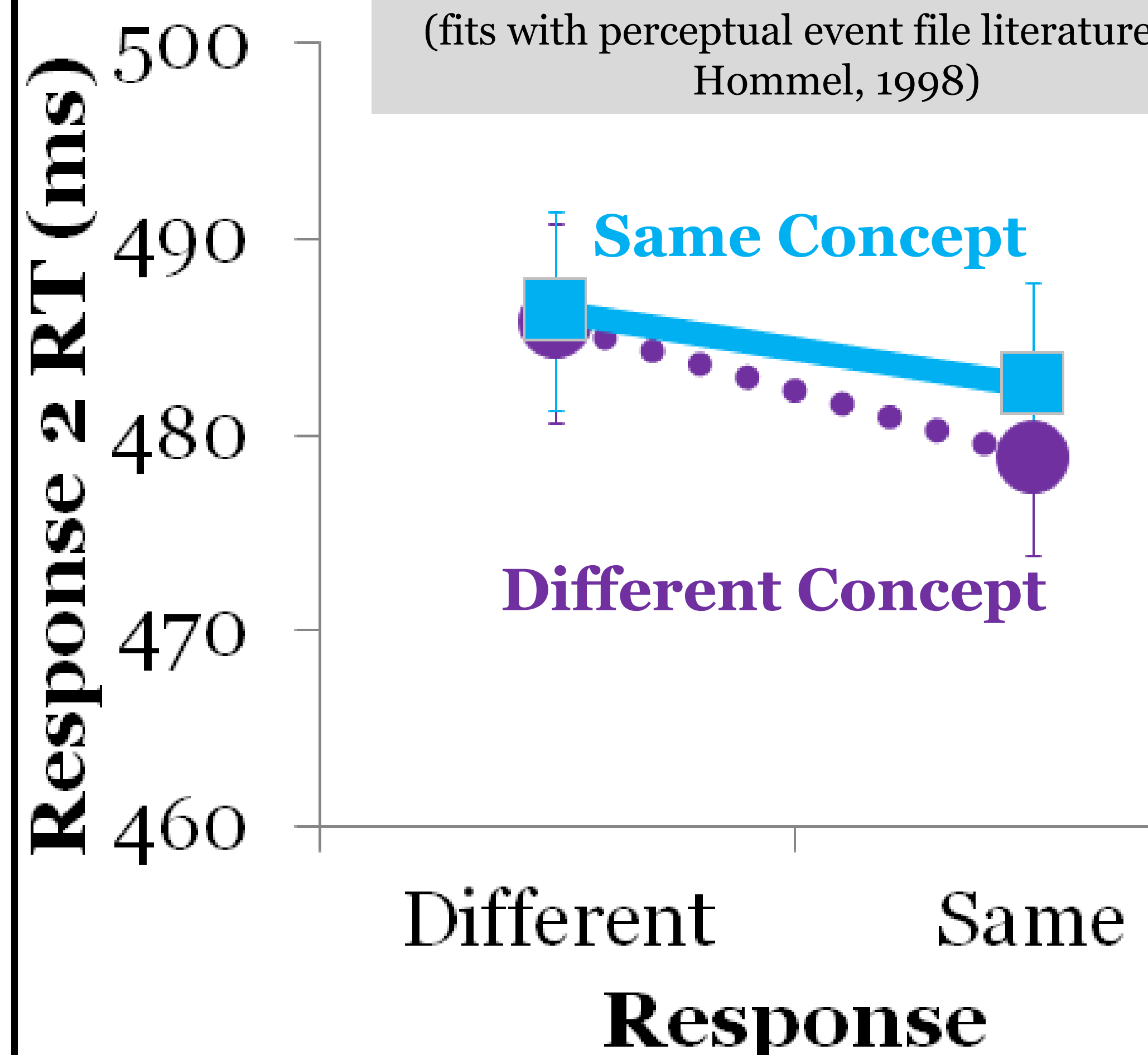
Experiment 1

→ Evidence for conceptual event files



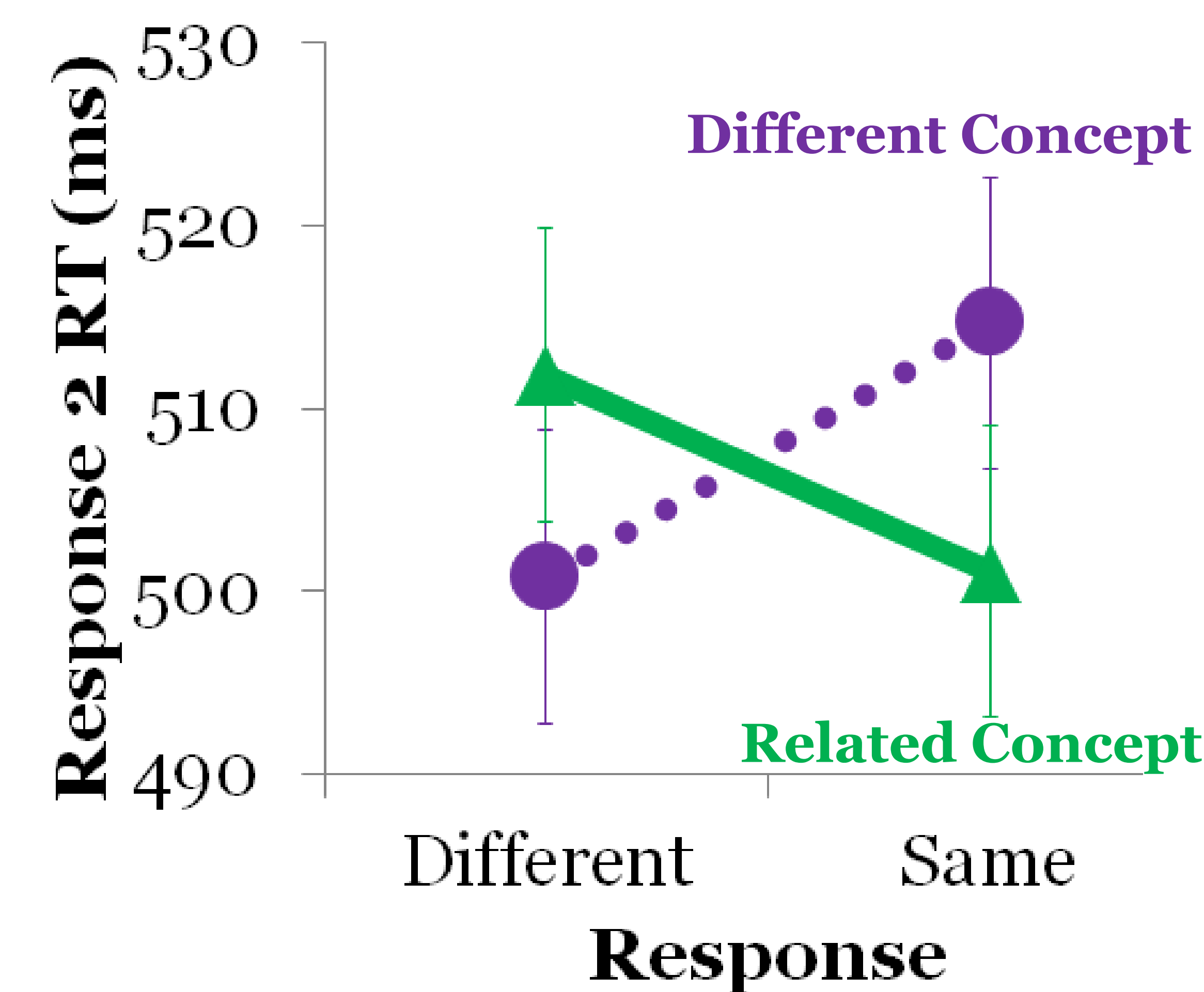
Experiment 2

→ no evidence for conceptual event files when meaning irrelevant to entire task
(fits with perceptual event file literature, e.g., Hommel, 1998)



Experiment 4

→ see pattern with semantically related items (when not mapped to same response as a 1^{st} stimulus)



Summary: conceptual information is incorporated with arbitrary response - event files more flexible than previously believed

Reprints: rabrams.net

Questions or Comments?: blaire.weidler@wustl.edu