

# Stability of Individual Parameters in a Model of Optimal Fact Learning

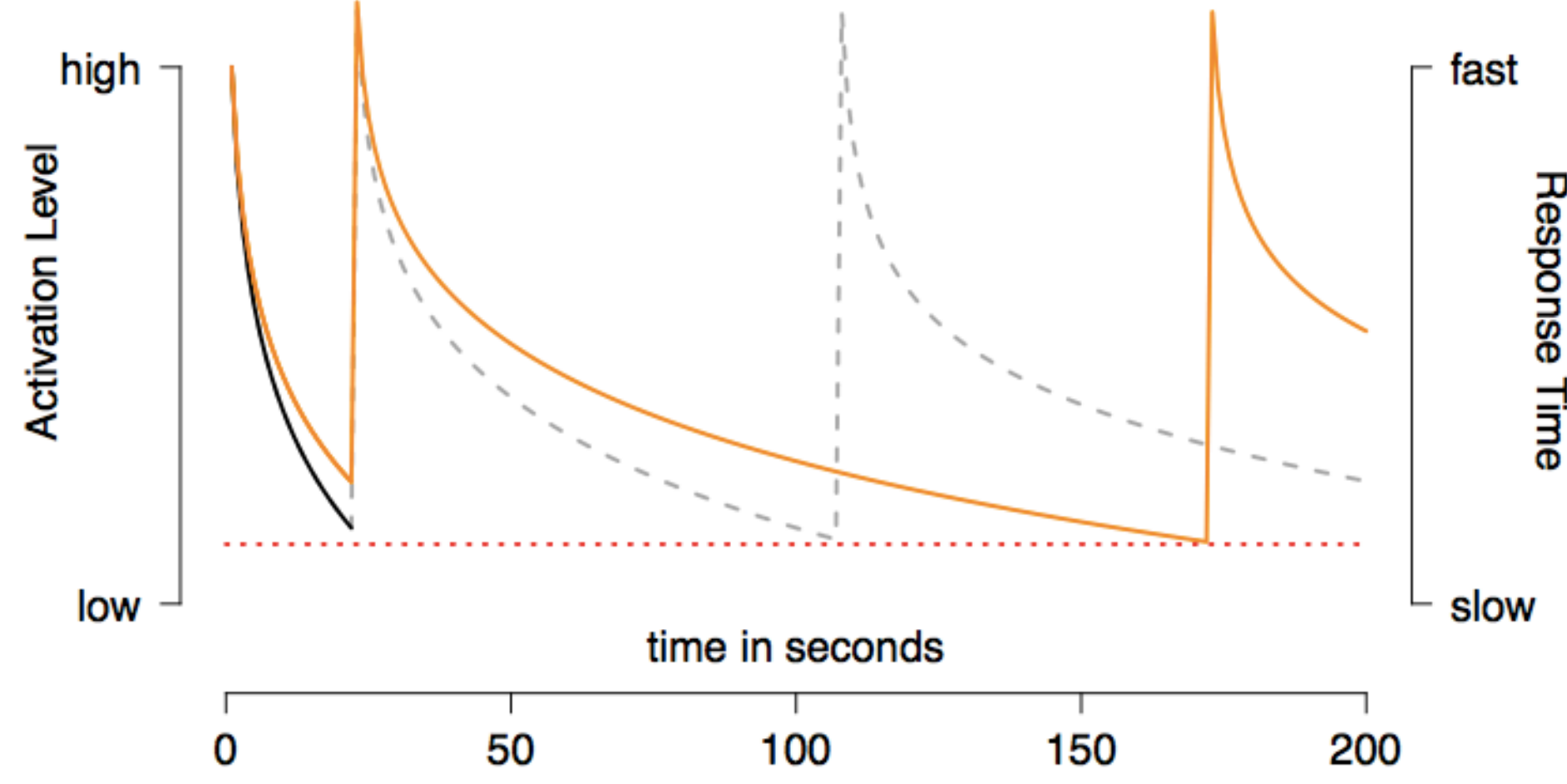
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## background

facts are stored in memory and we forget them over time

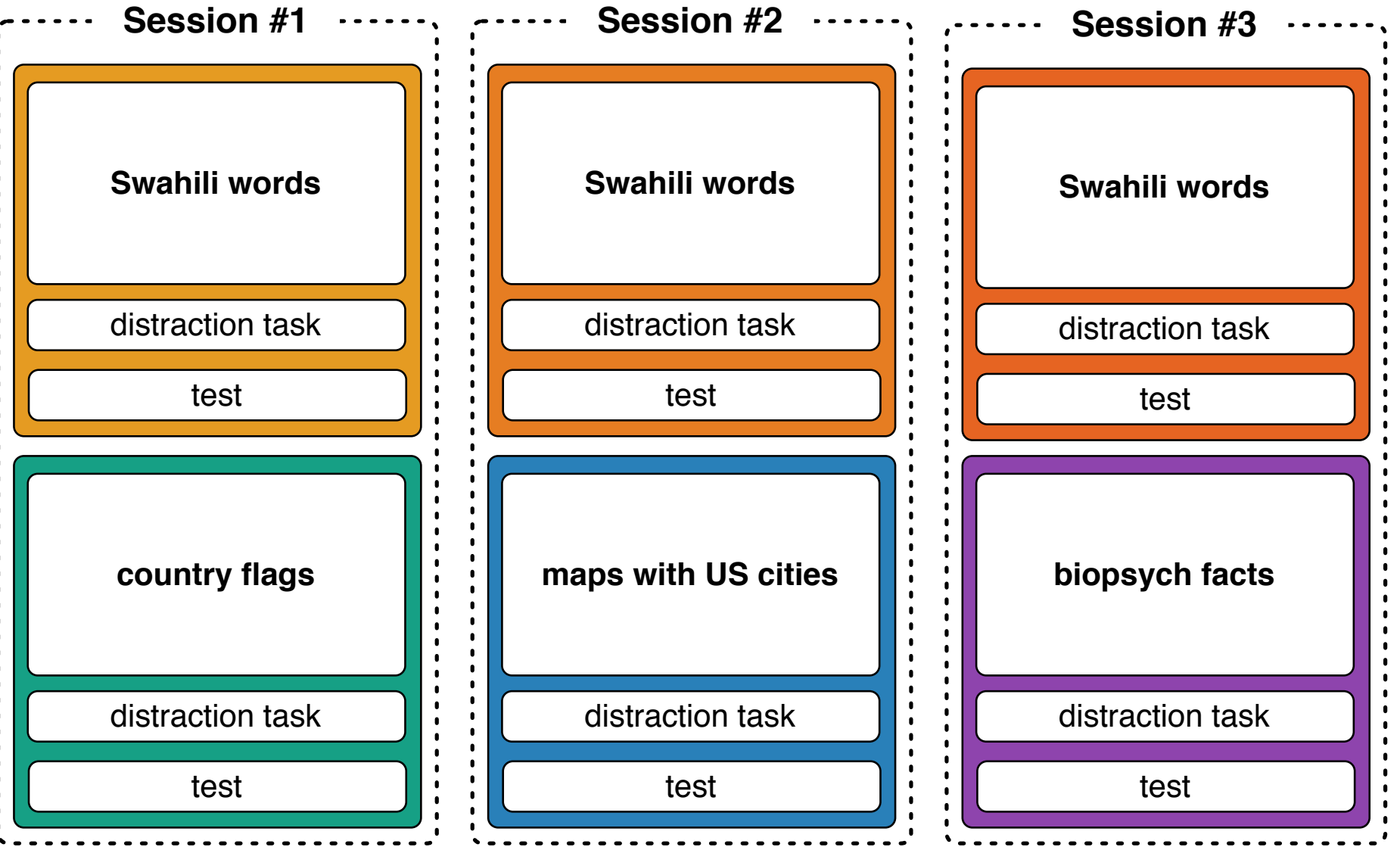


we can **optimize learning** by **capitalizing** on differences

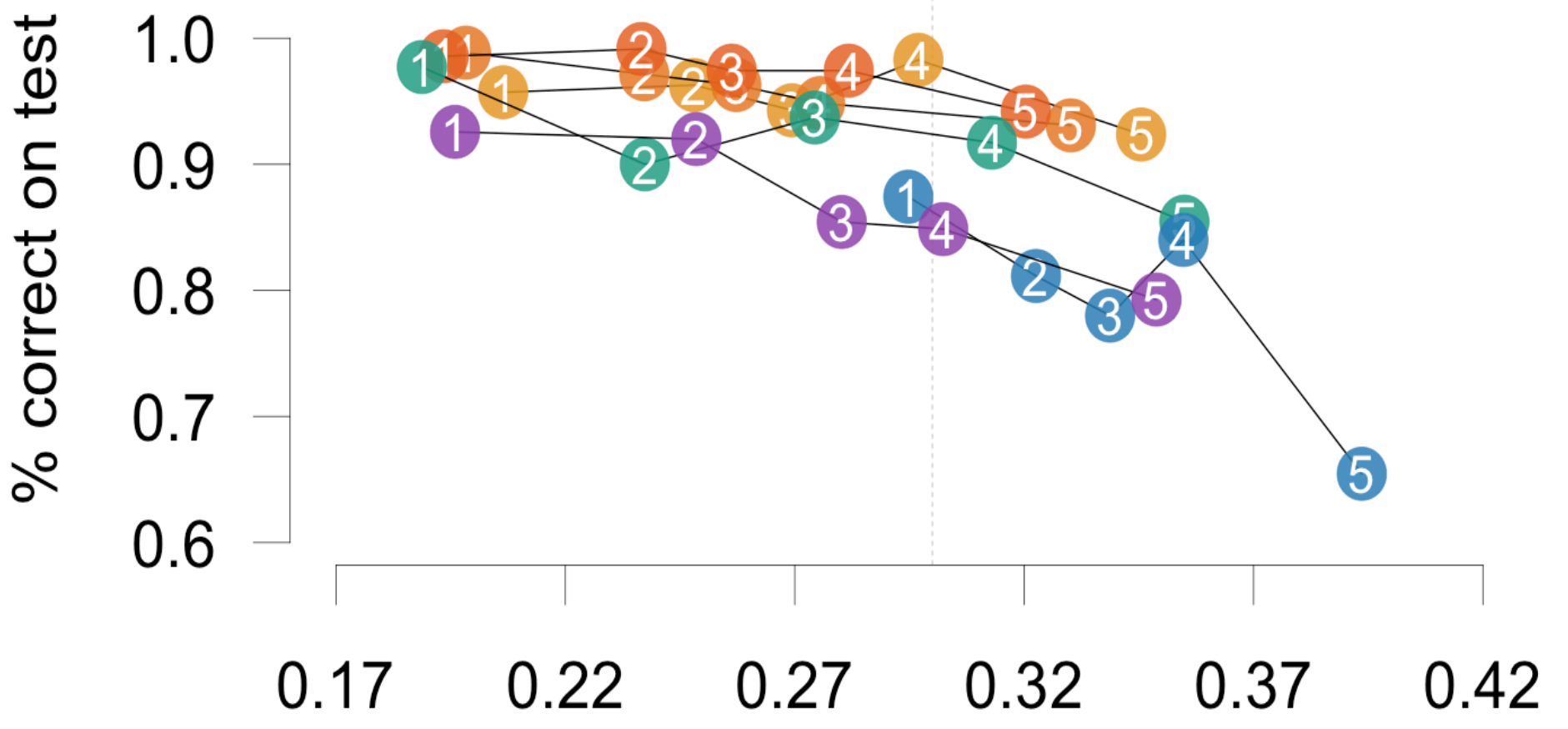
we know that some people forget faster than others but...

how stable are **rates of forgetting** over **time** and over **materials**?

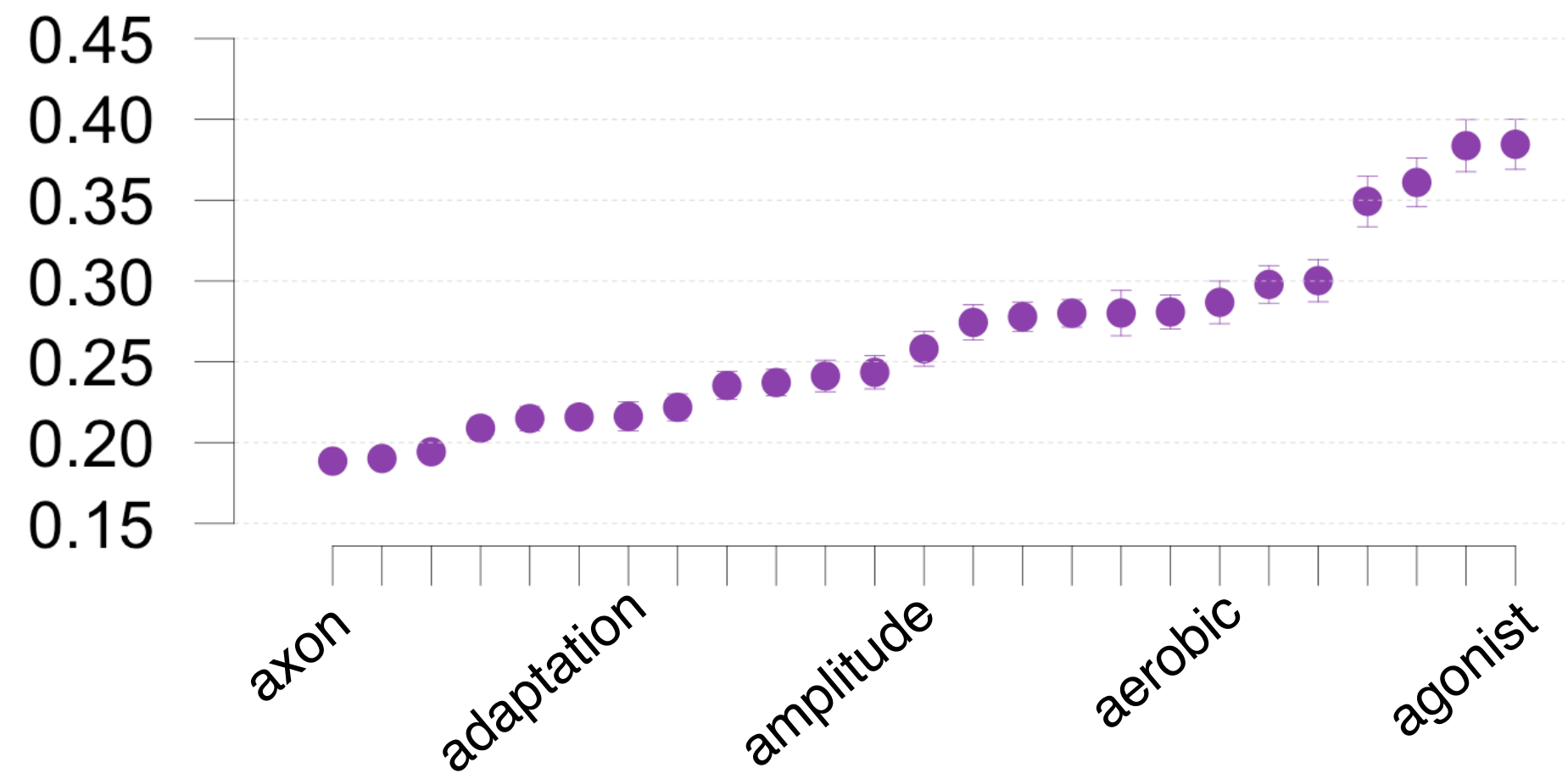
## experimental design



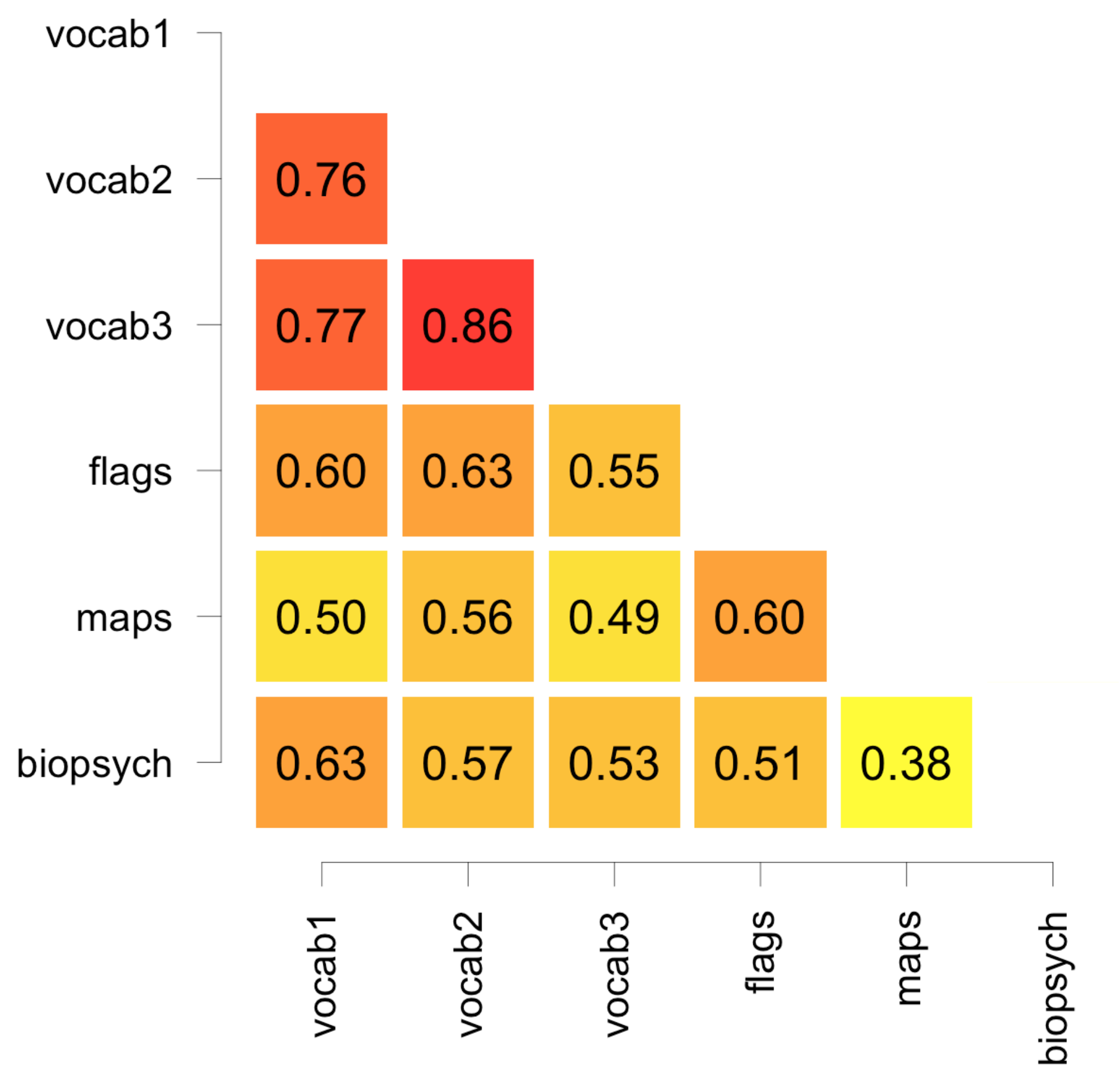
## individual parameters



the **rate of forgetting** is estimated for each item and learner



## results



## conclusions

the **rate of forgetting** is:

- (1) **stable** over time (within a domain)
- (2) **not stable** over materials