



Contiguity: the more pairings, the more learning

Contiguity: How **PREDICTIVE** is the CS?

TWO Probabilities are important:

1. How likely is it that the US will occur when the CS is presented?

$P(US/CS)$

Probability of a US given that a CS has occurred

e.g., 4 out of 10 CS presentations followed by a US

$P(US/CS) = 0.4$

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Contiguity: How **PREDICTIVE** is the CS?

TWO Probabilities are important:

1. How likely is it that the US will occur when the CS is presented?

$P(US/CS)$

2. How likely is it that the US will occur when CS is **NOT** presented ?

$P(US/noCS)$

Rescorla

$P(US/CS) = 0.4$ (for all groups)

For different groups:

$P(US/noCS) =$

0.1

0.2

0.4



