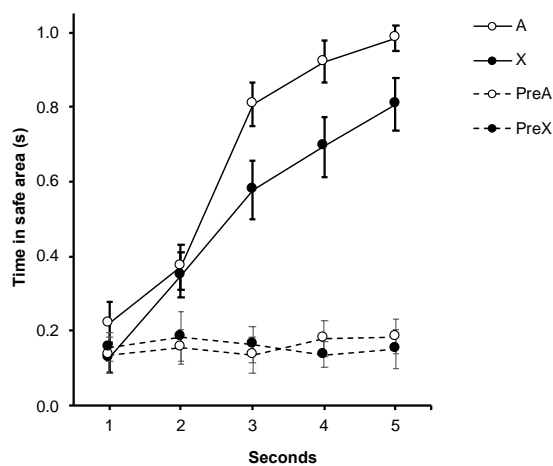Further evidence for the role of temporal contiguity as a determinant of overshadowing

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Supplementary Material

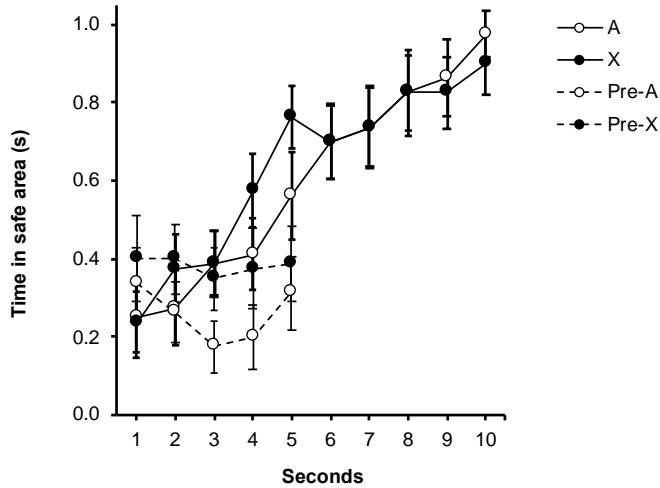1. Visual representation of non-transformed data during test and most relevant comparisons.

Experiment 1

Note. Time in seconds in the safe area in each second of the five seconds before the signal (i.e., pre period) in dashed line and during signal in solid line. Open circles represent the dwell time in the safe area in the presence of Signal A, the control signal, and filled black circles in the presence of target Signal X. Numbers in the x axis represent seconds during signal. The grey rectangle symbolizes the presence of the signal. Error bars represent the within-subjects standard error of the mean using O'Brien and Cousineau's (2014) correction.

There was difference between cues A and X in the last second of the signal (s5), $F(1, 27) = 7.12$, $p = .013$, $\eta^2_p = .21$, 90% CIs [.03, .40]
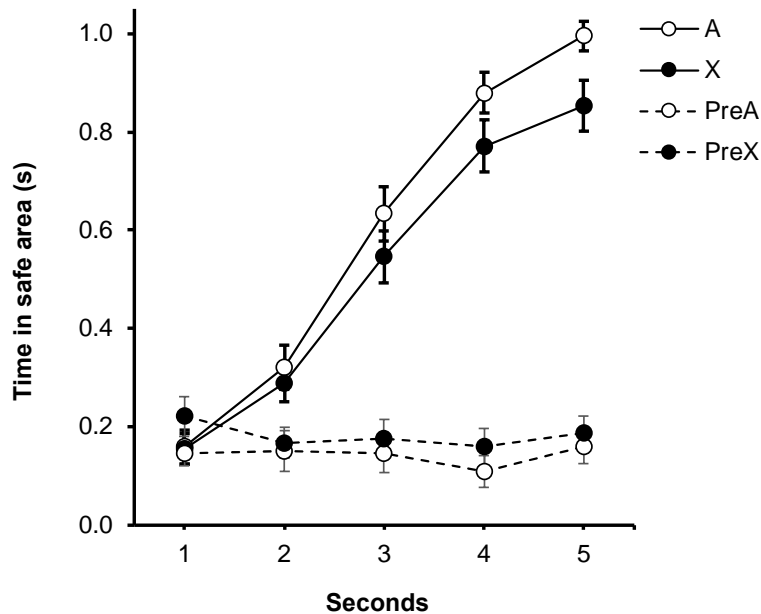
Experiment 2

Note. Time in seconds in the safe area in each second of the five seconds before the signal (i.e., pre period) in dashed line and during signal in solid line. Open circles represent the dwell time in the safe area in the presence of Signal A, the control signal, and filled black circles in the presence of target Signal X. Numbers in the x axis represent seconds during signal and trace. The grey rectangle symbolizes the presence of the signal. Error bars represent the within-subjects standard error of the mean using O'Brien and Cousineau's (2014) correction.

There was no differences between cues A and X in the last second of the signal (s5), $F(1, 15) = 2.14$, $p = .164$, $\eta^2_p = .12$, 90% CIs [<.01, .37]
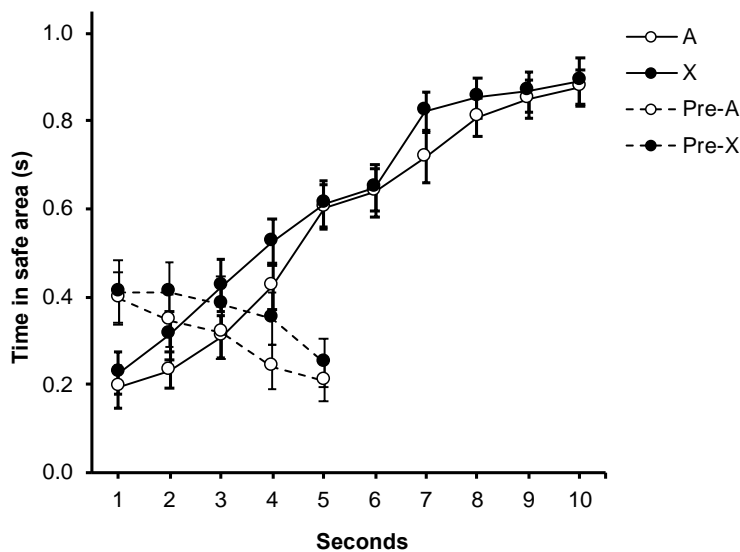
Experiment 3

Group Trace0

Note. Time in seconds in the safe area in each second of the five seconds before the signal (i.e., pre period) in dashed line and during signal in solid line. Open circles represent the

dwell time in the safe area in the presence of Signal A, the control signal, and filled black circles in the presence of target Signal X. Numbers in the x axis represent seconds during signal. The grey rectangle symbolizes the presence of the signal. Error bars represent the within-subjects standard error of the mean using O'Brien and Cousineau's (2014) correction.

There was difference between cues A and X in the last second of the signal (s5), $F(1, 47) = 8.09$, $p = .007$, $\eta^2_p = .15$, 90% CIs [.02, .30]

Group Trace5

Note. Time in seconds in the safe area in each second of the five seconds before the signal (i.e., pre period) in dashed line and during signal in solid line. Open circles represent the dwell time in the safe area in the presence of Signal A, the control signal, and filled black circles in the presence of target Signal X. Numbers in the x axis represent seconds during signal and trace. The grey rectangle symbolizes the presence of the signal. Error bars represent the within-subjects standard error of the mean using O'Brien and Cousineau's (2014) correction.

There was no differences between cues A and X in the last second of the signal (s5), $F(1, 47) = 0.02$, $p = .891$, $\eta^2_p = .0001$, 90% CIs [<.0001, .03]