

Psychology 210: Elementary Statistics
Independent Samples t-test SPSS lab

Lab Objectives:

- Participate in a modified experimental replication of the Loftus & Palmer (1974) study
- Understand Between-subjects research design
- Analyze data in SPSS using an independent samples t-test
- Write up results in APA style

Loftus & Palmer (1974) conducted a study investigating the role of language on eyewitness memory. A group of college students were shown a video clip of an automobile accident. One group was asked, "About how fast were the cars going when they smashed into each other?" The other group was asked, "About how fast were the cars going when they hit each other?" Using the data below, do the results indicate a significantly higher mean for the "smashed" group? Use a two-tailed test with $\alpha = .05$.

SMASHED	HIT
65	82
68	75
70	70
68	89
59	90
70	80
67	70
67	80
67	84
60	84
59	81
57	84
59	83
60	70
61	80
72	83
71	80
72	80
65	71
67	80
65	82
59	72
61	74
63	81
61	90

a) Interpret the SPSS output tables. Was there a significant difference? Write your results in APA format.