

# Homework 3 example: The effect of swear word use on pain tolerance

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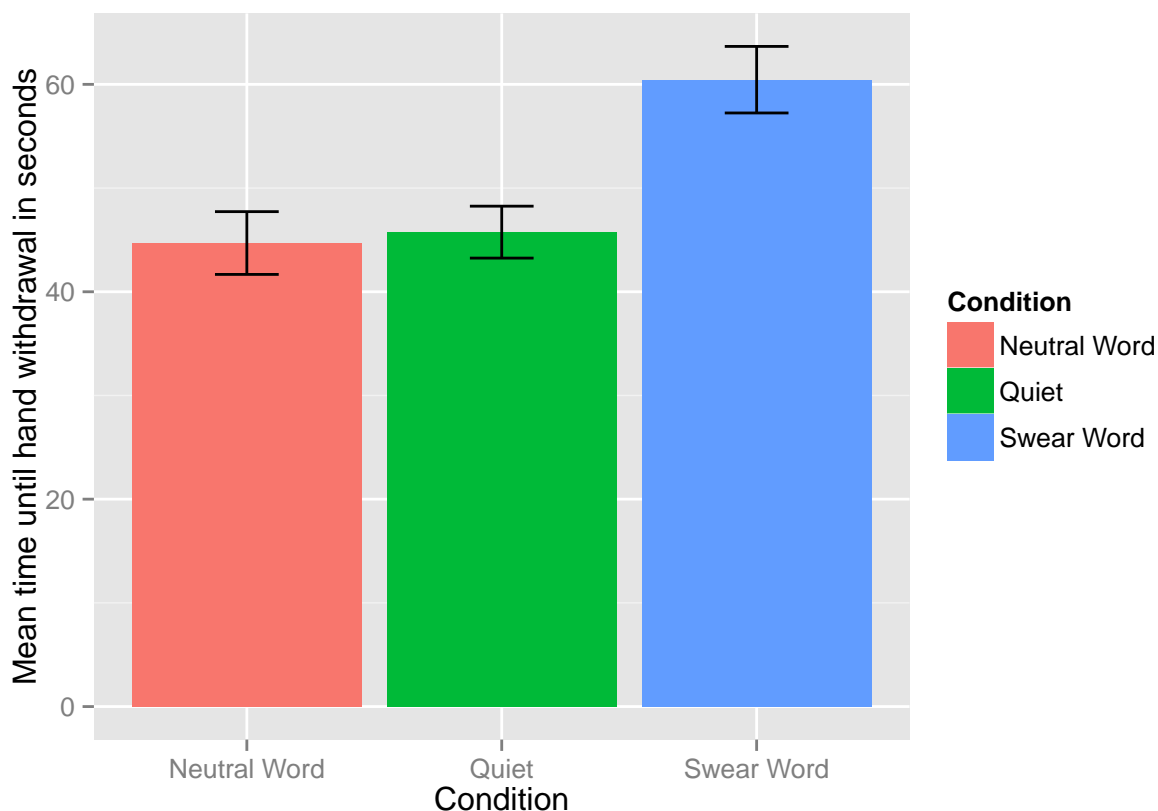
## Results

In order to evaluate the effect of swear word usage on pain tolerance, we performed a one-way between-subjects ANOVA with time until hand withdrawal as the dependent variable and swear word usage (quiet vs. neutral word vs. swear word) as the independent variable. Table 1 and Figure 1 show the condition means.

Table 1. Means, sample sizes ( $N$ ), standard deviations ( $SD$ ), and standard errors ( $SE$ ) for the swear word usage conditions.

Condition	N	Mean	SD	SE
Neutral Word	20	45	6.9	1.5
Quiet	20	46	5.7	1.3
Swear Word	20	60	7.3	1.6

Figure 1. Condition means. Error bars denote 95% confidence intervals.



The ANOVA showed that overall, there was a significant effect of the swear condition,  $F(2, 57) = 34.74$ ,  $\eta^2 = 0.55$ ,  $p < .01$ .