LING82100: homework 2 solution

1 Reporting a binomial test

Sample report:

In a sample of n = 2,360 dative clauses, we obtained 501 prepositional datives and 1,859 double objects. We observe a preference for the double object construction (test statistic p = .212; 95% CI: .196, .229), a significant effect at $\alpha = .05$ (binomial test, p < .001).

Note that you could just as well define x < -1859 and you'd get different different sample parameters and confidence intervals, but the same test statistic and the same significance result.

2 McNemar's test

Sample (abridged) report:

...We fail to reject the null hypothesis at $\alpha = .05$ (McNemar's test, p = .104).