Chapter 7

# Try it Yourself: Draw Conclusions from a Correlation

## StatCrunch Instructions

1. Open the school.csv data in StatCrunch
2. Compute sample correlation between gpa and avg\_course\_difficulty
   1. Click Stat → Summary Stats → Correlation
   2. Select columns → gpa, avg\_course\_difficulty
   3. Click Compute!
3. Perform hypothesis test for gpa and avg\_course\_difficulty
   1. Click Stat → Resample → Applets → Randomization Test for Correlation
   2. X variable → gpa
   3. Y variable → avg\_course\_difficulty
   4. Click Compute!
   5. Click “1000 times”
   6. Record approximate p-value in the “-0.415587 or below” row of the “Proportion of 1000 runs” column of the table.