**Bio211 Biostatistics and Experimental Design Winter Term 2018**

**Lab 6 Animal Behavior**

**January 31, 2018**

Goals: Work in groups of 3 to run an experiment to test the substrate choice of crayfish.

Protocol: In your groups of 3, pick 2 substrates to test in your experiment. Each group will record the substrate choice of 12 crayfish every 30 seconds for 4 minutes. Set up 3 boxes with your 2 substrates placed in either end of the box. Get 3 crayfish from the tank and place each one in the center of a box. Record where they are at the 30 second time point every 30 seconds for 4 minutes. Repeat this 4 times.

Fill out the table of final counts and run a quick t-test to test for a difference in mean tallies where the crayfish were at each 30 second interval.