**STAT581 Project Proposal (10 pts)**

**Name(s): Molly Hischke**

1. **Response variable.** Identify as binary, nominal (identify levels), ordinal (identify levels), discrete (give range) or continuous (give range).

The response variable is continuous (count data with a minimum of 0 and maximum of 125).

1. **Predictor variables.** Identify each variable as continuous or categorical.

For analysis #1, the predictor variable will be payroll (which measures the size of the brewery). This is a continuous variable.

For analysis #2, the predictor variable will be brewery. This is a categorical variable.

1. **Sample size**

The dataset includes the workers’ compensation data for all craft breweries in Colorado who held policies between 2013 and 2018. There is a total of 975 observations encompassing a total of 130 breweries.

1. **Design.** Is there any blocking or repeated measures?

No blocking or repeated measures.

1. **Brief description of proposed analysis.** This needs to include a generalized linear model!
2. **Other comments?**

**Notes:**

1. Students may work individually or in pairs.
2. I will not use the proposal information when I am grading the final projects. It is just for my own record. That said, if your project plans change substantially, it would be good to let me know.
3. It is fine to use one part or a simplified version of a larger project.