**STAT 364**

**RESEARCH QUESTIONS AND PROPOSED METHODS**

**Research question 1:** Which variables are likely to best predict average monthly spend?

**Proposed method:** Multiple linear regression and scatter plot of average monthly spend vs other variables

**Response:** Average Monthly Spend

**Research question 2:** Does average monthly travel spend differ among age groups?

**Proposed method:** Hypothesis test(Z-test)

**Response:** Average Monthly Travel Spend

**Research question 3:** Does average credit card balance decrease when annual percentage rate offered increases?

**Proposed method:** Simple linear regression and boxplot

**Response:** Average monthly balance

**Research question 4:** Does average monthly balance differs for student loan indicator or income groups?

**Proposed method:** Multiple logistic regression model

**Response:** Average monthly payrate

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