

Group Name: Halal Vietnamese Food

- **Project Title:** Student Participation Rates in Extracurricular Activities
- **Research Questions:**

(Research Question 1): Do personal preferences influence participation in extracurricular activities?

(Research Question 2): To what extent does schoolwork and/or professional commitments (such as study time, off-campus work, internships, commuting, etc.) influence a student's participation in extracurricular activities?"

(Research Question 3): How do personal reasons among domestic and international students influence their choice of participating extracurricular activities?

(Research Question 4): Do the opinions of friends and/or family to students influence their views on participating in extracurricular activities?

- **Target Population:** Fall 2024 STA304 students
- **Sampling Method:** Stratified random sampling will be used, with strata based on participants' classification as either international or domestic.
- **Data Collection:** Online Survey. Create a survey through Google Form and the questionnaire will be posted via an announcement on Quercus
 - Since we are using stratified random sampling, we will make sure that both strata have a similar sample size to guarantee adequate representation of each group.
- **Statistical Test**
 - **Simple Types:** Simple linear regression and correlations. This will be perfect for **(Research Question 2)** as we are aiming to predict the level of participation in extracurricular activities (dependent variable) based on the level of school/professional commitments (independent variable). At the same time, this test could also work with **(Research Question 1)** and **(Research Question 4)** as both of these two questions are trying to find the relationship between two variables.
 - **Advanced Types:** ANOVA. Since we are comparing international vs. domestic students, we can use ANOVA to determine whether there are any statistically significant differences between the means of them. Secondly, we can compare the general participation rates of both groups **(Research Question 2)**. We also can see whether there are differences in reasons for participation between international vs. domestic students after categorizing the reasons into groups **(Research Question 3)**.

- **Questionnaire Link:**

https://docs.google.com/forms/d/e/1FAIpQLSdI0kB-x7gEjCnhMDsEb-Pwtd5dbiVOVvXmCEIprC2AFvWTig/viewform?usp=pp_url