**Statistical Design Consulting**

**SEMESTER REPORT**

**Summer 2024**

**Client:** Christopher Ghita **File Number:** 24-064

**Department:** Libraries **Major Prof:** Zoeanna Mayhook

**Consultant:** Sumeeth Guda **Initial Meeting Date:** 07/16/24

**Meeting Attendees:** Sumeeth Guda, Christopher Ghita, Zoeanna Mayhook, Dr. Chong Gu

**Statement of Problem:** What specific academic benefits do undergraduate students attribute to their involvement in case competitions with a finance component.

**Goal of This Project:** Publication of results and undergraduate Honors project.

**Background:**

The client Christopher is an undergraduate student working with Professor Mayhook in the department of libraries to complete an undergraduate honors project. Their project explores the specific benefits that undergraduate students attribute to their involvement with case competitions with a finance component. A case competition is an event where students come together to present solutions to real-world or fictional business problems using the skills they learned in management classes.

To gather data and insights from the students to understand their initial and retrospective perspectives on the case competition benefits they created a survey to obtain this information. The survey was created using a retrospective survey design and includes 3 types of questions: Likert Scale, select all that apply, and multiple-choice question. The questions range from the students’ backgrounds and initial knowledge of case competitions and the lessons learned, to post perceptions of case competitions with regards to the benefits and growth.

The main reason they decided to come to the SCS for help was they needed feedback on the survey design, to verify that there were no statistical errors, and learn about techniques for analysis to determine if the results were significant as well as learn about comparison tests between different populations.

**Progress During Current Semester:**

Not a whole lot of progress was made towards this project due to timing and the recommendations made during the IM meeting this past semester. The client was instructed to fix the Likert scale questions of his survey by isolating the specific questions he wants treated as individuals. Another recommendation was to make the survey more inclusive by rewording or negating certain questions that makes the survey more approachable to a non-uniform audience.

Lastly and most importantly, the client was instructed to come up with a specific research question for their project that we can help him with. Without the specific questions, ultimately the SCS cannot help him with the project.

Once the client and his professor comes up with the specific research questions, they should reach out to the consultant and another meeting can be set up to discuss the project.

**Current Status: Continuing**