About the Graduate Statistical Analysis Program

The Department of Statistics and Data Sciences (SDS) Graduate Statistical Analysis Program is a one-semester appointment that provides highly skilled graduate students with directed experience in statistical consulting and data analysis. In addition to the appointment, the students must be registered for SDS 388 Consulting Seminar.

Students gain practical experience while working with professionals to apply statistical methods they have learned in class to real-world data. Students are involved in all aspects of the data analysis to give them a real-world consulting experience: from discussing the goals and details of the experiments, to analyzing the data, and preparing the results.

As part of the student’s training, teams will be assigned to work on semester-long projects with a Corporate Partner. Dr. Matt Hersh will supervise and advise the teams. The teams are likely to conduct several on-site visits to gather information and work with other personnel. There will be no regular lecture for this course. Rather, the work will consist of regular meetings with faculty and company advisors, in addition to on-going work on the project during the semester.

If data are provided by a Corporate Partner, they will retain the rights to their data. It is also understood that the data is provided for exclusive use only by the students and faculty.

This program and the consulting seminar are designed to:

**Enrich the educational experience:** Through a unique, real-life, hands-on statistical experience, students will execute and practice the concepts they have learned in the classroom.

**Develop students:** Students have the opportunity to produce real business results and develop the skill set required to succeed.

**Enhance collaboration between UT and Corporate Partners:** Corporate Partners will be playing an innovative role in fostering experiential learning at UT.

**Students**
The graduate students accepted for this program have very strong statistical backgrounds and programming skills. They are selected through a very competitive process and only the top students are invited to be a part of the program. The graduate data analysts comprise a team with diverse backgrounds coming from various fields across campus such as Statistics, Sociology, Engineering, and Educational Psychology.
In order to be considered for the program, students must either be earning their Master's in Statistics or have taken at least 30 graduate credit hours, including advanced statistical course. Typical types of analysis performed include Regression and ANOVA, generalized Linear Models, Hierarchical Linear Models, and SEM.

**Corporate Partners:**
Corporate Partners will develop ongoing relationships with the Department of Statistics and Data Sciences and its students:

An unrestricted gift of $20,000 to the Department of Statistics and Data Sciences is suggested for Corporate Partners.

Corporate Partners will develop ongoing relationships with the Department of Statistics and Data Sciences and its students:

- Students will work together with the Corporate Partners on data analysis projects while they are enrolled in SDS 388 Consulting seminar.
- The Corporate Partners will be invited to speak at our Statistics in Action series.
- The SDS will facilitate access to talented students and assist in recruiting for internships and job positions.
- Corporate Partners will be recognized on an acknowledgement page on the SDS website.