AGENDA

01 **BRIEF INTRO TO UTSA SCHOOL OF DATA SCIENCE**
About the school, components, & program staff

02 **PROGRAM OVERVIEW**
Investment from H-E-B, purpose, intended outcomes

03 **STUDENT SELECTION**
Eligibility, recruitment efforts, & interest levels

04 **STUDENT SCHEDULE**
Program schedule, daily schedule

05 **QUESTIONS**
Q&A session – Alumni insights

UTSA The University of Texas at San Antonio
School of Data Science

UTSA's School of Data Science brings together the colleges of Business, Engineering, and Sciences by offering 12 data-intensive degree programs. Our world-class 35 core faculty, faculty fellows, and staff work with hundreds of students to discover, teach, learn, and use data science and analytics for positive societal and economic impact.

We proudly offer signature programs such as the Draper Business Plan Competition, our Data Science Living Learning Community, the Undergraduate Research Fellowship, and the Los Datos Conference. As our School transitions into a College, we continue to expand our programming, providing students with increasing opportunities for real-world, hands-on experiences that prepare them for the future.

UTSA is designated as a Carnegie Classification of Institutions of Higher Education R1 Research university, which places us among the top 4% of research universities in the nation.

UTSA. School of Data Science

Data Science & AI
Community Innovation Scholars

Undergraduate Programs

Sponsored by
H-E-B
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UNITED WAY
San Antonio and
Bexar County

PROGRAM OVERVIEW

The Data Science & AI Community Innovation Scholars program provides students with opportunities to support nonprofit organizations in better understanding and utilizing their data, while gaining direct professional experience. Each student will receive a $4,000 stipend, and their efforts will help increase the community impact of San Antonio's nonprofits.

01 DATA FOR SOCIAL GOOD
Exploring & envisioning data-intensive practices that are scientifically rigorous and socially responsible.

02 SUMMER INTERNSHIP
Commitment to education, service, and research.

03 INTENDED BENEFITS
Institution, student, and partner organizations

STUDENT SELECTION

STUDENT PROFILE

- Upper division (60+ hrs)
- Interdisciplinary
- 3.0 GPA in relevant courses

CODING

Programming experience preferred, but not necessary

"Signature Experience" Course requirement

APPLICATION

- Personal statement
- Resume
- Commitment

PROGRAM TIMELINE

Weeks 1 & 2

Weeks 3 & 4

Weeks 5 - 8

Weeks 9 - 10

Week "11"

Skills/
Team Formation

Understanding
the problem

Scoping
solutions

Polishing your
data story

Presentations
& celebration

Each student team will be actively working on its assigned project for an estimate of
17 hours per week between weeks 3 and 10.
That's a total of **126 hours** to work on their assigned project.

Program Timeline

Dates

Month	Day/s	Week	Holidays	Objective
May	23	Orientation		
	27-29	Week 1	*26 - Memorial Day*	Intro to program, team building, technical skills
June	2-5	Week 2		Research methods, technical skills, team assignments
	9-12	Week 3		Understanding the problem - data cleaning
	16-18	Week 4	*19 - Juneteenth*	Understanding the problem - Develop strategy
	23-26	Week 5		Scoping solutions - implementation
July	30-3	Week 6	*4 - 4th of July*	Scoping solutions - implementation
	7-10	Week 7		Scoping solutions - implementation
	14-17	Week 8		Scoping solutions - implementation
	21-24	Week 9		Polishing your data story
	28-31	Week 10		Polishing your data story
August	4-6	"Week 11"		Wrap-up, presentation prep, celebration

Program Timeline

Daily Schedule

Time	Monday	Tuesday	Wednesday	Thursday
8:30 - 9:00 AM	Arrival	Arrival	Arrival	Arrival
9:00 AM	Leadership Seminar	Check in with nonprofit	Check in with nonprofit	Teamwork
10:00 AM	Technical Skills	Teamwork	Teamwork	Teamwork
11:00 AM	Teamwork	Teamwork	Teamwork	Teamwork
12:00-12:30 PM	Lunch	Lunch	Lunch	Lunch & Learn seminar
12:30 - 1:30 PM	Teamwork	Check in with nonprofit	Check in with nonprofit	Weekly debrief
1:30 - 2:30 PM	Time for clarification	Teamwork	Time for clarification	Time for clarification

WEEKLY SITE VISITS TO NONPROFIT ORG.

Purpose – Site visits help students attain contextual knowledge about their projects.

LOGISTICS

- Beginning week 3 - June 10th/11th
- Twice per week - Tues./Wed - 5 hours
- Point of contact
- Background check where needed
- Parking

LAST YEAR'S PROJECTS

United Way of San Antonio & Bexar County

Question: To what extent are higher levels of email engagement and event participation associated with increased giving?

Data Source: Email records, financial reports, website

Analysis: Exploratory analysis, t-test, visualization

Respite Care

Question: Are parents/caregivers able to maintain employment? Are parents/caregivers growing in their employment?

Data Source: Client management system, 3 years of data

Analysis: Descriptive statistics, correlation and regression analysis, visualization

LAST YEAR'S PROJECTS

Family Service Assocation

Question: How many financial counseling clients who were served in 2023 were referred from other Family Service programs?

Data Source: Client Management System; 1 year; client enrollment demographics,MS Excel 600-10,000 cases

Analysis: Descriptive statistics, filtering and aggregation, visualization, Voila to create dashboard

Healy-Murphy Center

Question: Is there a particular profile of a student that is more likely to graduate?

Data Source: Student academic data, pre-post enrollment data

Analysis: Descriptive statistics, cluster analysis, predictive modeling, visualization

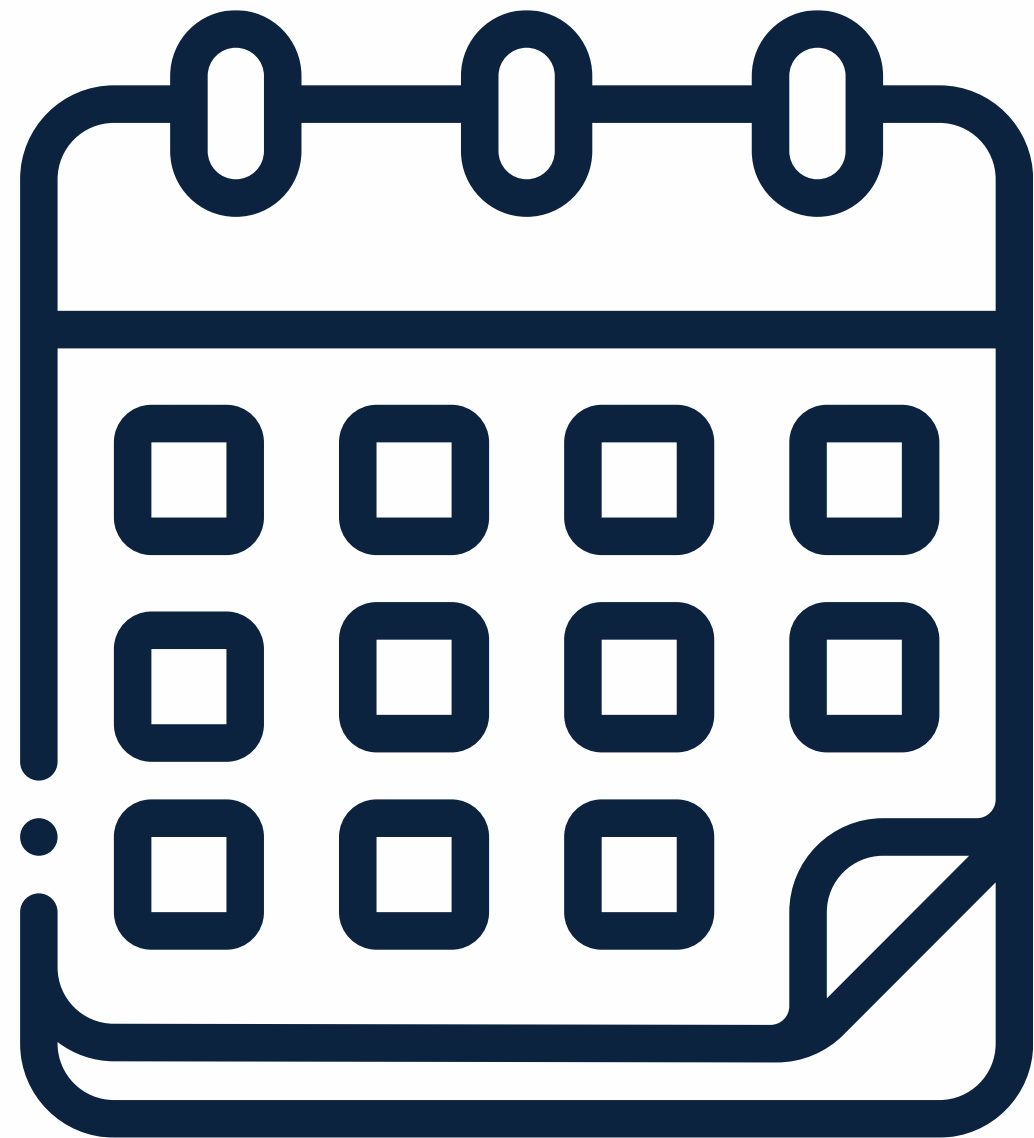# LAST YEAR'S PROJECTS

Good Samaritan Community Services

Question: How do Good Samaritan's client demographics compare to the overall population, and what gaps exist within the target population?

Data Source: Client data, Community Information Now data, US Census

Analysis: Exploratory analysis, Correlation, geospatial analysis

KEY DATES 2024-2025

- **November 12** - Student application opens
- December 6 – Nonprofit application opens
- **December 20**- Student Application closes
- January 10 – Nonprofit application closes
- **January 22 -** Student selections announced
- January 27 – Nonprofit projects announced
- **May 23** - Orientation
- **May 27** - 1st day of internship
- **August 6**– End of program/Celebration

Q & A

THANK YOU!

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Data Science & AI Community Innovation Scholars
Undergraduate Programs

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UNITED WAY San Antonio and Bexar County

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