

SLU STUDENT DATA SCIENTISTS

SLU

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[Edition 1, Volume 1]

Why become a Student Data Scientist?

If you have a data curious mind, and want to build up your portfolio by working with local industries to solve real data problems, join our team of Student Data Scientists. Here's Why.

To be successful in data science, students need to go beyond standard course work. It isn't enough to say you're skilled with R, Python, or SQL etc. You need to be able to show how you've applied your skillset to solve data problems. For students, this is a common challenge, as there aren't many real-world

"What is key to being successful in data science? It isn't just your coding, your communication or your knowledge of statistics. It's your team! Each of us is only as good as the team that surrounds us. In data science and elsewhere, the team makes or breaks your experience."

- Eric Weber, Senior Data Scientist, LinkedIn

opportunities to collaborate on a team, where they can learn to work and solve data problems together.

Capstone and traditional internships are great for this, but even applying for those types of positions requires a student to showcase their work in a meaningful way.

Student Data Scientists has been created to fill in the gap of learning between traditional course work and what comes after graduation. Join our team and learn to solve real data issues while working with peers and mentors.

For questions or to join Student Data Scientists contact Chelsea.west@slu.edu or call 314-803-1958

Why Mentor?

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The success of each data project taken on by SLU Student Data Scientists will hinge on mentor support from academia and industry professionals.

Our goal is recruit educators from departments in academia that teach any aspect of the data science process. Be that computer science, statistics, math, research, outcomes, public health, etc., the more diverse our mentor pool is, the greater the learning opportunity for all those involved.

We are also recruiting industry professionals to provide a frame work for how data scientists work together on a team to ask the right questions and solve the right data problems.

Please Join Student Data Scientists at SLU Saturday November 11th starting @ 10:00 AM for a one day code-A-thon

1st Student Data Science Team Project: OCH Health System

Project Details: MO Medicaid Primary Care Home Health Program (PCHH) Data issue

- OCH submits monthly data as a requirement to participate in the PCHH program
- The data is analyzed by a third party to create monthly scorecards which are used to evaluate the quality of care provided to patients in the program
- OCH seeks to improve the quality and accuracy of their data submissions by switching from MS Access to R-Studio
- The end goal is to improve scorecard results to better reflect the quality care OCH provides to its PCHH patients.

1st Student Data Science Team Mentor List:

Each project will have a Mentor Team and a Student Team. The goal will be to recruit appropriate mentors for each project and allow the students to learn the roles of each parts of the Data Science Team. The Mentors will be on hand for the start of each project, to help guide the start-up process.

The Mentor Team will be comprised of academic or industry leaders in St. Louis:

Data Science Team Leader

Database Managers

Statisticians

Data Analysts

Data Scientists

The Student Data Scientist team is comprised of any student from SLU with an interest in data science. There are already close to a dozen SLU students from various departments working on a variety of degrees ranging from bachelors up to PhD. If you want to learn how to manage, transform, analyze, visualize, and make predictions, you must join our team!

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Chelsea.west@slu.edu or call 314-803-1958