

DATA SCIENCE

Find the needle in the haystack.

What makes someone great at data science? Data scientists are people who can organize, process, and derive insights from vast pools of information, often for the benefit of companies or organizations. They bring a mix of computing knowledge, analytical insight, business acumen, and the ability to explain complex findings to others. That's why UIC developed its data science major to give you a grounding in computer science, statistics, business, and communication.



“Do you want to help your community, improve healthcare, or design the next generation of AI-powered systems? Data science will equip you with the statistical and computational background you need to tackle the most pressing problems of our times.”

Assistant Professor Elena Zheleva, PhD

How data opens doors

Information is everywhere, and more often than not, it's the essential ingredient in making smart decisions. For companies and organizations to simply have information is not enough, though: think how useful a library is to someone who doesn't know how to read. Data scientists are needed to delve into repositories of information with a scientific approach, methodically sifting the sands to reveal the knowledge that organizations need to move forward.

Data scientists are crucial players in virtually every organization, public or private. A data science education from UIC gives you a basic foundation in the field and allows you to choose an area that interests you: health care, marketing, manufacturing, transportation, communication, education, insurance, finance, science, security, retail, law enforcement, and beyond. It also will prepare you to further your knowledge in data science with a graduate degree.

Visit cs.uic.edu to learn about the nine concentrations that can help you align your data skills with an area that matters to you.



DATA SCIENCE STACKS UP

According to Forbes, Glassdoor, and Quanthub, some facts about data science:

- ▶ #3 on Glassdoor's list of the 50 Best Jobs in America for 2020
- ▶ Median salary: **\$107,801**
- ▶ Salary increases estimated at **14% per year**
- ▶ **67%** of companies report expanding their teams of data scientists

With a data science degree, you might:



Conduct and analyze statistical experiments to predict future outcomes



Comb data sets to identify and eliminate hidden bias



Develop machine-learning techniques to continually refine models

