TRUMAN STATE UNIVERSITY

MS

# 100% Online Data Science

Earn an online, interdisciplinary degree, integrating methods and techniques from Statistics and Computer Science, while integrating ideas from Design, Communication, Marketing, Business, and more.

## MASTER OF SCIENCE IN DATA SCIENCE AND ANALYTIC STORYTELLING
GRADUATE CERTIFICATE IN DATA SCIENCE

Gain the skills to gather, interpret and communicate data effectively and efficiently.



**EIGHT-WEEK** COURSES OFFERED **YEAR ROUND**



**PART-TIME STUDENT** CAN FINISH IN **2 YEARS**



**ASYNCHRONOUS COURSES** WITH AVAILABLE WEEKLY **ONLINE MEETINGS** AND **OFFICE HOURS**

## WHY TRUMAN?

- Learn concepts using the R Statistical software language and Python with connections to Sparks, SQL, and more.
- Assignments are flexible and designed to be relevant to your current or future occupation.
- Gain a blend of vocational and technical skills with deeper liberal arts and sciences knowledge.
- Learn how to create, tune and visualize machine learning model results.

For more information, visit
**WWW.TRUMAN.EDU**
or email gradinfo@truman.edu

Graduate Admissions Contact
**MADELYN LOHMAN**
mlohman@truman.edu
660-785-7398

TRUMAN STATE UNIVERSITY

DISTINCT BY DESIGN

MS (or certificate)
100% Online
# Data Science

## MASTER'S DEGREE REQUIREMENTS:

### Required Courses: 24 Credits

- **PDAT 610 G - Introduction to Data Science** Credits: 3
- **PDAT 611 G - Big Data Management** Credits: 3
- **PDAT 613 G - Data Mining** Credits: 3
- **PDAT 615 G - Machine Learning** Credits: 3
- **PDAT 622 G - Narrative, Argument, and Persuasion with Data** Credits: 3
- **PDAT 624 G - Principles of Design in Data Visualization** Credits: 3
- **PDAT 625 G - Ethics and Data Security** Credits: 3
- **PDAT 630 G - Thesis Credit** Credits: 3-6

### Elective Courses: To 30 credits total

- **PDAT 617 G - Python for Data Science** Credits: 3
- **PDAT 620 G - Data Science Capstone** Credits: 3
- **PDAT 626 G - Practicum in Data Storytelling** Credits: 3
- **PDAT 629 G - Topics in Data Science** Credits: 3
- **Graduate level STAT/CS courses** Credits: 3

### Total Hours: 30

Students completing the certificate are eligible for an application fee waiver for the master's degree.

## CERTIFICATE DEGREE REQUIREMENTS:

### Required Courses: 15 Credits

- **PDAT 610 G - Introduction to Data Science** Credits: 3
- **PDAT 611 G - Big Data Management** Credits: 3
- **PDAT 613 G - Data Mining** Credits: 3
- **PDAT 615 G - Machine Learning** Credits: 3
- **PDAT 620 G - Data Science Capstone** Credits: 3

### Total Hours: 15

## ADMISSION REQUIREMENTS:

- Baccalaureate degree from an accredited post-secondary institution (or its international equivalent).
- Students must complete the equivalent of STAT 190-Basic Statistics and CS 170-Introduction to Computer Science I before enrolling in any courses in the program.

**Ready to Take the Next Step?**
Scan the QR Code
To Start Your Application.