BREAKING BOUNDARIES:
REVOLUTIONIZING HIGHER EDUCATION IN DATA SCIENCE THROUGH INNOVATIVE PARTNERSHIPS

CASE STUDY

Over the past decade, **Statistics.com** has collaborated with Thomas Edison State University (TESU) to empower adult learners through online bachelor's and master's degrees in data science. Through innovative technology and pedagogy, we've overcome geographical barriers, enabling accessible, high-quality education.
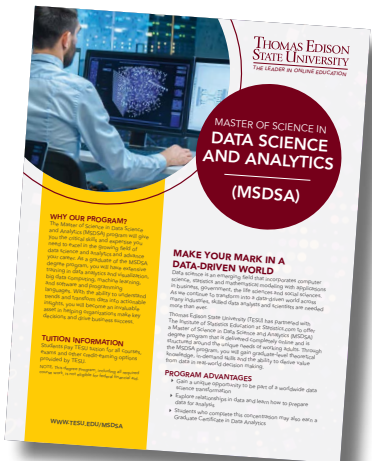
THE CHALLENGE

With the rising demand for skilled professionals in data science, TESU recognized the need to offer flexible, accessible degree programs tailored to adult learners. However, traditional educational models posed significant barriers, particularly for working professionals and nontraditional students seeking higher education.

THE SOLUTION

In collaboration with TESU, **Statistics.com** developed fully virtual, accredited bachelor's and master's degree programs in data science. Leveraging industry and pedagogical expertise, we designed immersive online courses that provide flexibility without compromising on quality. The courses go beyond traditional curricula to include practical examples and content.

Our approach prioritized interactive learning experiences, enabling students to engage with course materials, collaborate with peers, and receive personalized support from instructors. We also believe in enabling students to use what they have learned immediately in new roles, so we incorporated practical and industry-based content and examples. Through this innovative partnership, we aimed to democratize education, making it accessible to a diverse range of adult learners.

By offering remote access to resources and a supportive online community, we sought to break down barriers to higher education and empower students to achieve their academic and career aspirations.

CLIENT

Thomas Edison State University

INDUSTRY

Academia

BUSINESS NEED

Meeting the demand for flexible education options for adult learners.

SOLUTION

Virtual bachelor's and master's degree programs in data science.

BENEFIT

Empowering adult learners to pursue higher education regardless of geographical constraints to get jobs in a rapidly evolving field.
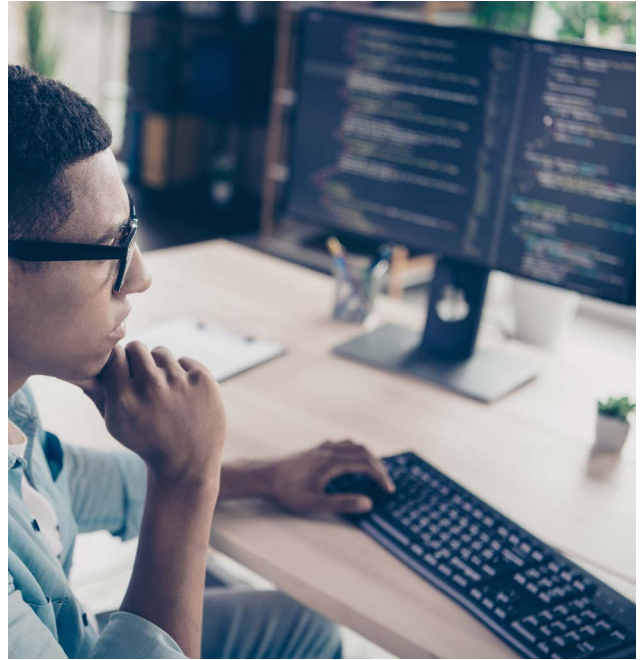
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BENEFIT

- **70% of students in Statistics.com courses** see a promotion or career change within two years.

- **13 master's level and 16 bachelors' level** accredited data science courses developed and delivered.

- **3,000+ adult learners** have been educated through our virtual degree programs.

- **Completion rates:** 97% completion rate for masters students and 90% completion for bachelors students, surpassing industry averages for online education.

STUDENT TESTIMONIALS

"This should be the template online courses use as a model for courses involving programming."

"The dedication and responsiveness of the professor is something I've never seen...it really generated a passion for data visualization."

"The course provided the practical skills to facilitate use of cutting-edge NLP and deep learning methods in industry."

ABOUT ELDER RESEARCH

Elder Research is a recognized leader in the science, practice, and technology of advanced anlaytics. We have helped solve real-world problems for clients across diverse industries—from government agencies to Fortune Global 500® companies. Our expertise include data science, text mining, data visualization, scientific software engineering, and technical teaching. With experience in diverse projects and algorithms, advanced validation techniques, and innovative model combination methods (ensembles), Elder Research can maximize project success to ensure a continued return on an organization's analytics investment.

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