We use data science with a focus on data analytics, predictive analytics, machine learning, artificial intelligence, system of systems, data governance, cybersecurity, cloud technology, and high-performance computing to develop innovations that further human progress.

We provide students from all academic backgrounds the opportunity to learn about the value of data in their fields of study.

We provide opportunities for transdisciplinary research to improve the use of data in multiple fields of study.

We provide a model for public universities to become places where the public and private sectors come for data innovation.

OUR EXPERTISE

Known primarily for our work in support of smart government, NSPARC has achieved national prominence with its use of data science (the field of study that examines new methods for the use of data) in economic development, workforce development, education, and delivery of human services at all levels of government.

NSPARC has extensive experience in the application of data science in every major area of enterprise software development, data security, and IT infrastructure, including:

WHAT WE DO

- Case Management System Design and Coding
- Mobile Development
- Reporting and Regulatory Requirements Gathering
- User Experience/User Interface Design
- Electronic and Digitized Paper Record Handling
- Real-Time Consumption of Third-Party Sources of Information
- Interagency Coordination Systems
- Data Security and Monitoring

OUR VISION & MISSION

Our vision is to become among the best in the data science field by using the smart-city concept as an intellectual framework.

Our mission is simple: to advance the use of data science to drive human progress.

We seek to lead a data revolution for the betterment of our global society.
A GREAT PLACE TO WORK & LEARN

▶ Since its inception, NSPARC has nurtured the next generation of data scientists through experiential learning opportunities that prime students and employees for career advancement.

▶ We have a proven track record of quality work with more than 200 national, state, and local entities.

▶ Our 120 employees hail from 55 different academic fields of study, offering depth and breadth of expertise.

▶ We have a multimillion-dollar state-of-the-art cyberinfrastructure.

▶ We provide a hands-on learning environment at a center nationally known for pioneering data innovations and research.

OUR CORE IDENTITY

An organization dedicated to advancing methods for the use of data, with strong ties to subject matter experts and academic programs across campus.

A hub for universities, industry, and the public sector to come together to create research and scholarship to support smart cities.

A place where data innovations that advance human progress are created and shared.

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WHERE DATA MEET INNOVATION

Expanding the boundaries of data science to create knowledge and innovations that drive human progress.