Identifying the Challenges

“Society’s most pressing challenges and nature’s deepest mysteries frequently involve large, complex systems. The behavior of these systems is best understood by handling large amounts of data — thus the term “big data.” To solve our most pressing challenges, we need to develop new ways to acquire, analyze, and make sense out of big data.”

- Teresa Sullivan, President, University of Virginia

An Innovative Approach

A unique confluence of computation, science, engineering, mathematics, statistics, commerce, social science, humanities, law, and more to achieve recognized excellence in research and education in the interdisciplinary field of data science, offered in a variety of formats:

- Master of Science in Data Science
- Minor program
- Internships
- Executive Education
- Centers of Excellence
- Computational Infrastructure

A Unique Program: MS in Data Science

- Courses in the practice, ethics, law & policy of data science to provide the foundations for a career
- Interleaved projects set to flow through core courses to learn from theory and application in multiple disciplines
- Final capstone experience conjoining course topics with a real-world, challenging data science problem