

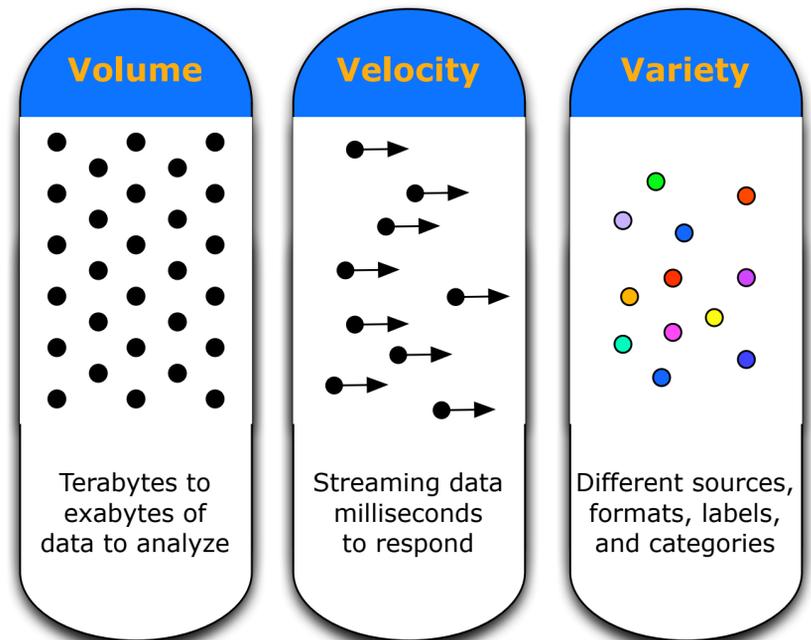
# Data Science Institute, University of Virginia

Donald E. Brown, Director

## 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

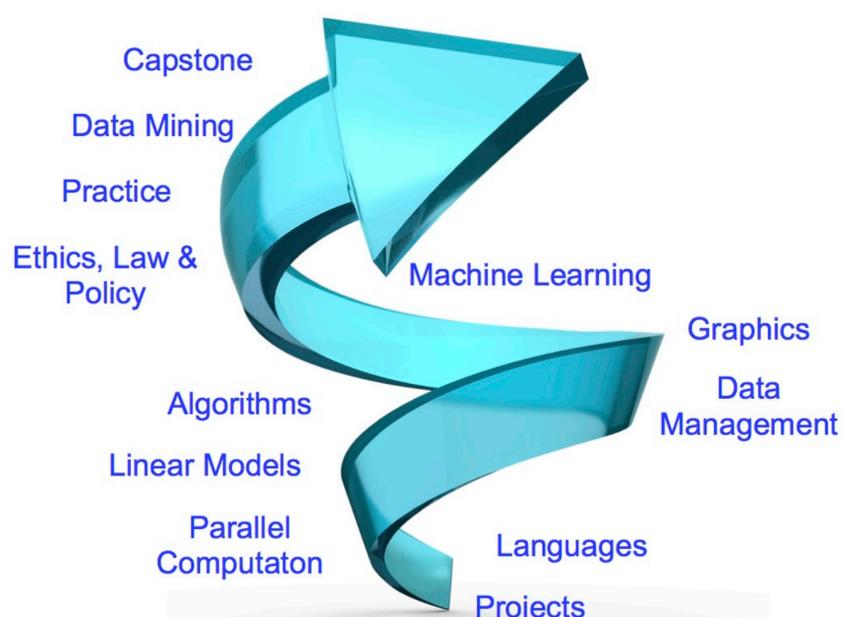


## An Innovative Approach

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