

Department of Statistics

Department Information

- www.ndsu.edu/statistics (<http://www.ndsu.edu/statistics/>)

Undergraduate Programs of Study

- Behavioral Statistics (major)
- Statistics (major, minor)
- Statistics and Mathematics (dual major)
- Statistics and Mathematics with Pre-Actuarial option (dual major)

Graduate Programs of Study

- Applied Statistics
- Statistics

Degrees Offered

- Bachelor of Arts (B.A.)
- Bachelor of Science (B.S.)
- Master of Science (M.S.)
- Doctor of Philosophy (Ph.D.)
- Graduate Certificate in Statistics
- Graduate Certificate in Big Data Applied Statistical Analysis

Department Description

Statistics involve the analysis of numerical data. This ranges from the calculation of simple statistics to the mathematical theory behind very sophisticated statistical procedures. Professionals in areas such as agriculture, pharmacy, business, human development, sports, and the social sciences use statistical tools.

There are excellent job opportunities in statistics. A statistician may:

1. consult in the design and analysis of clinical studies, evaluating new pharmaceutical agents;
2. serve as an opinion pollster for a public relations firm or a television network;
3. conduct reliability and quality control studies in various industries;
4. among others.

Statisticians work closely with other scientists and researchers to develop new statistical techniques, adapt existing techniques, design experiments and direct analyses of surveys and retrospective studies.