CARREER OPPORTUNITIES IN STATISTICS

During the advanced study period, emphases can be placed, reflecting important fields of application:

- Biometrics
  Applications in e. g.: medicine, genetics and ecology
- Econometrics
  Applications in economics and business sciences
- Technometrics
  Applications in the engineering and natural sciences

The above list already suggests some major places for employment: like pharmaceutical companies, environmental research centres, banking and insurance companies, or industrial corporations. Furthermore, graduates from our program work in academia, marketing and social research, consulting, as well as in polling and survey sampling.

Due to the various uses and applications of statistics, there are excellent job opportunities for graduates of the Dortmund statistics program, supported by the growing demand for Statisticians in Germany in general.

INTERESTED?

For further information, we welcome you to contact

our faculty:

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our student representatives:

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our website:

http://www.statistik.uni-dortmund.de

the departmental office (detailed brochures, degree requirements, information on completion of minor):

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Or meet us at the Campus-Test of the University of Dortmund (open visitor’s day, yearly in June or July)
WHO ARE WE?

The Department of Statistics in Dortmund is the only statistics department in Germany. With about 500 students the department's size is relatively small and includes a very high proportion of women (about 40%) for a natural science. The students have very good contact with each other, even across different semesters or levels of completed study. There exists an exceptionally good student relationship to the faculty and their assistants, which is reflected in numerous shared activities and a feeling of solidarity.

STATISTICS - IS THAT SOMETHING FOR ME?

The most important prerequisites for studying Statistics are an interest in mathematics and the comfort with numbers. Data analysis and statistical examination are often computationally very intensive, requiring an open mind about computer work. However, to begin the study of statistics in Dortmund, no previous computer experience is necessary because basic skills are taught in the first year.

Statistics is very application-oriented, the program of study allows for the possibility of exploring problems from different subject areas. The skill acquired during the course of studies, to understand non-statistical concepts quickly and thoroughly, is regarded by many companies as a special quality of graduates in Statistics.

During the advanced study, students have the opportunity to study abroad for a period of one or two semesters. The Department of Statistics has well-established exchange programs with universities from many countries (e.g., USA, Great Britain, New Zealand).

In addition to the mathematically and statistically oriented classes, students must choose one from about 20 subsidiary subjects to gain knowledge of a potential area of statistical application.

STUDYING STATISTICS IN DORTMUND

The diploma-degree program in statistics is divided into a basic and an advanced phase of coursework, each with a duration of four semesters.

In the basic phase of study, the necessary fundamentals in mathematics (real Analysis, vector and matrix algebra), probability theory, and statistics are taught. Data analysis problems are also emphasized and connected to statistical theory during this period. Simultaneously, computer basics and statistical software packages are introduced.

In the advanced phase of study, according to their interests students can choose courses from a variety of offered courses. Furthermore, the application of acquired statistical methods is practiced in special case studies.

The final degree requirement is the completion of a diploma thesis, throughout a 6-8 month period. Often the diploma thesis topic is chosen by the student based on a real problem.