

# All about Statistics

The world is becoming quantitative. More and more professions, from the everyday to the exotic, depend on data and numerical reasoning.



Data are not just numbers, but numbers that carry information about a specific setting and need to be interpreted in that setting. With this growth in the use of data comes a growing demand for the services of statisticians, who are experts in

- ♦ Producing trustworthy data,
- ♦ Analyzing data to make their meaning clear, and
- ♦ Drawing practical conclusions from data.

## What Do Statisticians Do?

- ♦ Use data to solve problems in a wide variety of fields
- ♦ Apply mathematical and statistical knowledge to social, economic, medical, political, and ecological problems
- ♦ Work individually and/or as part of an interdisciplinary team
- ♦ Advance the frontiers of statistics, mathematics and probability through education and research.



## Where do Statisticians Work?

Health and Medicine



Biostatistics  
Clinical Trials  
Epidemiology  
Genetics  
Public Health



Business and Industry:



Agriculture  
Chemistry  
Computer Science  
Economics  
Engineering  
Finance  
Insurance



Other:



Government Census Office  
Sport - Science  
National Defence  
Market Surveys  
Mining  
Human Resources



The demand for statisticians is high and is growing.

### CONTACT DETAILS

School of Statistics and Actuarial Science  
Oliver Tambo Building  
Maseruville Campus  
University of KwaZulu-Natal  
Email: [sylalides@ukzn.ac.za](mailto:sylalides@ukzn.ac.za)  
Tel: (031) 260 3011  
Fax: (033) 260 1009



Science Building, Room F14  
Pietermaritzburg Campus  
University of KwaZulu-Natal  
Email: [Buabomoo@ukzn.ac.za](mailto:Buabomoo@ukzn.ac.za)  
Tel: (033) 260 5609  
Fax: (033) 260 5648

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