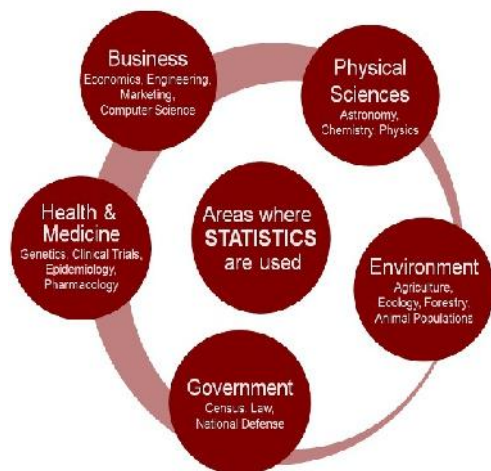## Education

- High School
    - Study statistics, mathematics, science, computer science, and English
- College
    - Major in statistics, applied mathematics, or a closely related field (i.e. epidemiology, engineering)
- Post-Graduate
    - Many career fields require a Master's degree or PhD in a specialized statistical field

### What are the Goals of Statistics2013?

- Increase public awareness of the power and impact of statistics on all aspects of society
- Nurture statistics as a profession, especially among young people
- Promote creativity and development in the sciences of probability and statistics



*CARICOM Statistics Sub-programme*

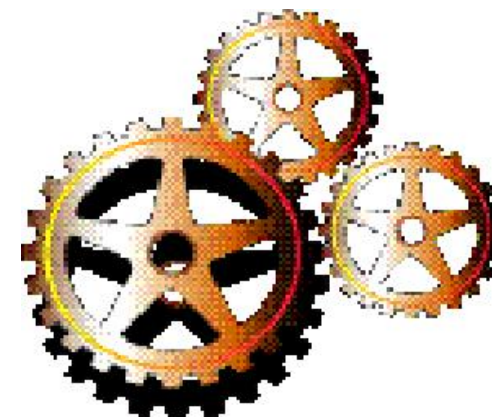*Caribbean Community Secretariat*
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*Email: stats1@caricom.org*
*www.caricomstats.org*

**Let us Educate and Appreciate**

# What Can I Do With A Degree in Statistics?



# BUSINESS AND INDUSTRY

## Manufacturing

Industrial statisticians help build products and deliver services that satisfy customers and increase their company's market share and profit margin. Statisticians help design the best product, guide the transition from design to manufacturing, ensure a consistently excellent product, manage customer satisfaction, and ensure a financially beneficial bottom line. Industry professionals use statistical models for quality control and quality assurance in nearly all manufactured goods.

*"I found that statistics used more reasoning and logic skills than the mathematics courses I had previously taken. The more I did statistics, the more I liked the "alternative" application of mathematics that it provided. I especially liked being able to use a lot of data and a little common sense to figure out problems."*

*Tiffany T. Sundelin, Quality Control Engineer*

## Marketing

Statistics is used to quantify the extent of variation in customer's needs and wants. Statisticians design experiments for new products, conduct focus groups and sample surveys to gather customer feedback, and perform field experiments in test markets to determine produce viability and marketability. Statistics and data mining also are used to analyze sales data and predict future trends.

## Engineering

Engineers work in electronics, chemicals, aerospace, pollution control, construction, and other industries. They may be responsible for leading large projects with significant costs, technical complexity, and responsibility. Statistical methods allow engineers to make a consistent product, detect problems, minimize chemical waste, and predict product life.

## Statistical Computing

Reliable and accurate statistical software is arguably the most important tool available to statisticians in every field. Developing code that is both user-friendly and sufficiently complex is a challenging task, as is exploiting the rapidly occurring improvements in hardware platforms, graphics, and algorithms. Opportunities in this field include software design and development, software testing, quality assurance, technical support, education, documentation, marketing, and sales.

For more information, check out

http://www.statistics2013.org/