What Can I Do with a Degree in Statistics or Actuarial Science?

Courtesy of SFU Career Services

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Examples of Statistics and Actuarial Science major careers, including careers that may require further education beyond a bachelor's degree:

1.) Statisticians
   - Work to collect information analyze it and draw conclusions. Analyze data to identify the trends, opinions and habits that justify most social, business and political changes. Works mainly for the government, but also in the private sector.

2.) Actuary
   - Specialize in determining how much to charge for services with an uncertain future cost by assembling and analyzing data to estimate the probability of an event taking place. Works mainly in either life and health or property and accident insurance.

3.) Systems Operation Analyst
   - Use mathematical principles and scientific methods to help organizations find the most efficient and profitable way to run their business. Works mainly for manufacturing, distribution and retail companies as well as the government and banks.

4.) Market Research Analyst
   - Study and predict the sales of products and services. The job involves three basic steps: gathering information, analyzing it and writing a report stating conclusions. Works for private and public organizations.

5.) Insurance Underwriter
   - Review applications for insurance coverage and decide how much to charge or conclude that the risk of insuring an individual or business is too great. Options to specialize in a number of fields including home, health, commercial and life insurance.

6.) Sports Statistician
   - Attend sporting events and record data in real time. Duties include keeping score, preparing final stats for league records and preparing mid and final game summary reports for the media. Works for sports associations.

7.) Auditors
   - Specially trained accountants who ensure organizations financial records and operations are managed properly. They prepare financial
statements legally required by external bodies as well as internal audits
to prevent fraud. Requires a B.Sc and accounting certification.

8.) **Insurance Claims Adjuster**
- Investigate insurance claims to determine the amount of money owed
to the claimant. Adjusters investigate the circumstances surrounding
claims and determine the loss amount by estimating the cost of repair
or replacement. Requires a B.Sc and Chartered Insurance Professional
designation.

9.) **Investment Advisor**
- Use financial knowledge to advise clients on investments that match
their financial profile. Research financial markets in order to buy and
sell investments like bonds, mutual funds and term deposits for their
clients. Requires a B.Sc and registration with the securities commission.

10.) **Epidemiologist**
- Health researchers that look at epidemics and try to identify the causes
as well as how diseases can be prevented. Gather statistical data about
different groups people and compare the sets to uncover risk factors.
Requires a B.Sc and a masters in epidemiology, public health or health
statistics.

11.) **Logistics Specialist**
- Study business functions such as manufacturing, storage,
transportation, and distribution. Devise the most cost-effective ways of
using people, raw materials, energy, money, and information to get
things done on time. These tasks involve talking to managers in various
departments and analyzing information then presenting findings along
with recommendations for improvement.

12.) **Astronomer**
- Carry out observational and theoretical research into the nature of
universe using advanced physics and mathematics. They measure
properties such as size, mass, distance and motion to test their
hypotheses about the universe and to make sure that are no meteors set
to collide with earth.