

Career Talk

Statistician

What do they do?

Statisticians are professionals who apply statistical methods and models to real-world problems. They gather, analyze, and interpret data to aid in many business decision-making and problem solving processes. Individuals can specialize in fields such as bio-statistics, agricultural statistics, business statistics, or economic statistics. They may work to protect endangered species, manage the impacts of climate change, make medicines more effective, or help a sports team pick next season's new players.



Average Salary

\$87,780

Job Duties

- Decide what data are needed to answer specific questions or problems
- Design surveys, experiments, or opinion polls to collect data
- Develop mathematical or statistical models to analyze data
- Interpret data and report conclusions drawn from their analyses
- Use data analysis to support and improve business decisions

Work Schedule and Environment

Most mathematicians and statisticians work full time. Deadlines and last-minute requests for data or analysis may require overtime. In addition, these workers may travel to attend seminars and conferences. Mathematicians and statisticians typically work in offices. They also may work on teams with engineers, scientists, and other professionals.

Educational Requirements

Statisticians typically need at least a master's degree in applied mathematics or statistics. Increasingly, many also have some background in computer science. However, some positions are available to those with a bachelor's degree.

Job Outlook, 2018-2028

30% (Much faster than average)

Check out the videos below to explore more about being a statistician.

<https://youtu.be/WMDAR2bZEp0>

<https://youtu.be/hBgseqeDmJE>

<https://www.youtube.com/user/ThisIsStats>

Meet the statisticians at this website <https://thisisstatistics.org/>