DATA ANALYTICS
AND STATISTICS

HIGH POINT UNIVERSITY
The Premier Life Skills University

Median starting salary for data analysts:

$59,000

Median pay for mid-level data scientists:

$128,000

Who hires **data analysts?**

Data analytics and statistics skills are valuable in all types of industries, including:

- Healthcare
- Banking
- Government
- Retail
- Science
- Manufacturing

Matthew Slifko
HPU Assistant Professor of Statistics

What do data **analysts do?**

Data is everywhere, in every industry. Data analysts help organizations understand and use their data to solve problems and identify opportunities for future growth. As graduates gain experience in the workplace, they can become experienced data scientists, experts who pair their mathematical and statistical expertise with a deep understanding of their particular industry.

In-demand skills for the 21st century workplace

The World Economic Forum released a study in 2018 indicating that by 2022, data analysts and scientists will be the highest job in demand. So what is data analytics? Data analytics informs fact-based decision making by combining advancements in technology, mathematical and statistical reasoning, and machine learning methodologies to identify patterns and make predictions using large existing data sets.

What makes a good **data analyst?**

The ability to collaborate in order to help others find answers to their questions lies at the heart of data analytics. An effective data analyst not only has the ability to discover structure within the data but also excels at communicating ideas and results to audiences with varying levels of technical knowledge. At HPU, our analytics students take courses in statistics, mathematics, and computer programming. The data analysis skills honed in our program will be applicable to any industry.

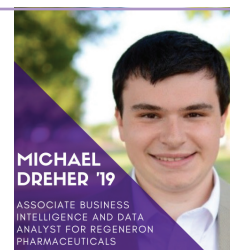## Why should I **major in data analytics and statistics** at HPU?

- In our program, students begin by building a solid foundation in mathematics and basic statistics. As they progress through the statistics courses, they learn to apply statistical models to detect patterns in large data sets and draw inferences accordingly.

- Student take courses in both R and SAS programming, both of which are industry standards in statistics and data analysis.

- Our program culminates with a data analytics capstone sequence, in which students apply what they have learned to a data analysis project over two semesters.

- Students receive one-on-one mentorship from expert faculty.

Meet **Michael Dreher**

MICHAEL DREHER '19

ASSOCIATE BUSINESS INTELLIGENCE AND DATA ANALYST FOR REGENERON PHARMACEUTICALS

Hometown: Lake George, New York

Dreher will be taking on the role of associate business intelligence and data analyst with Regeneron Pharmaceuticals.

The role was created as a continuation of Dreher's internship, and he will be responsible for the new manufacturing and business intelligence program for the manufacturing department. This includes the enabling of data gathering and analysis, presentation and visualization of manufacturing data and metrics, and the development of robust predictive analytics capabilities. His role will also allow him to participate in other related project management initiatives when needed.

For more information about HPU's Data Analytics and Statistics Program, contact:

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