Health Data Science
IU Richard M. Fairbanks School of Public Health

ABOUT THE MAJOR

Health data science is a burgeoning, interdisciplinary field requiring a diverse set of skills to extract knowledge and insights from data. Health data scientists will be at the center of an estimated $300 billion value added to the American health sector annually by big data and analytics. The brand-new Bachelor of Science in Health Data Science features an interdisciplinary curriculum that integrates biostatistics, computer science, and informatics to create an attractive package for employers like Eli Lilly, FitBit, and IU Health that work with health data locally, nationally, and internationally.

Skills and abilities this major develops includes: biostatistics, computer programming, management, communication skills, analytical skills, understanding of diversity, and knowledge of the healthcare industry.

OPPORTUNITIES AFTER GRADUATION

Career Opportunities
According to the Bureau of Labor Statistics, hiring of computer and information research scientists is expected to increase by 11% between 2014 and 2024, which is faster than average for all occupations. Hiring of statisticians is expected to increase by 34% during that time.

Salary Information
According to Glassdoor.com, the entry-level salary for Data Scientists ranges from $50,000 to $75,000 per year.
(This section is intended for informational purposes, not prediction of actual salary.)

Graduate & Professional School Paths
Health Data Science majors might pursue advanced degrees in the following areas: Informatics and Computing, Biostatistics, Health Administration, or Public Health.

WHERE TO GET MORE INFORMATION

IU Richard M. Fairbanks School of Public Health
fsph.iupui.edu

Alliance for a Healthier Indiana
www.healthierindiana.org

Health and Life Sciences Advising Center
Hine Hall IP 241
hls.iupui.edu

Sample Coursework:
- Probability in health data science
- Introduction to biostatistical computing
- Discrete computational structures
- Data mining
- Computer and information ethics
- Media applications

Possible Careers:
- Bioinformaticist
- Bioinformatics scientist
- Scientific database curator
- Scientific informatics project leader
- Senior research associate

Where Could I Work?
- IU Health
- Regenstrief Institute
- Eskenazi Health
- Eli Lilly
- Inovalon
- Indiana Biosciences Research Institute
- BioCrossroads
- Center for Disease Control
- FitBit

Complementing Interests:
Investigative Conventional Enterprising
Get your interest code at go.iupui.edu/interests

Have questions for Academic & Career Development? Schedule an appointment:
acd.iupui.edu (317) 274-4856