Would you make a good Bioinformatics Data Scientist?

What Bioinformatics Data Scientists Do
Bioinformatics Data Scientists develop and apply cutting-edge computational methods and tools to analyze large collections of biological data to make new predictions or discover new biology. The interdisciplinary biology and computational methods used include analytical skills, mathematical modeling and simulation.

Education
A Doctorate in computation biology is required. Undergraduate studies may include a Bachelor’s degree in life and physical sciences, biology, or computer science. Graduate studies typically include courses in molecular biology, genetics, chemistry, statistics, linear algebra and computer programming.

Skill Builders:
- Analytical Skills
- Critical Thinking Skills
- Problem Solving Skills
- Advanced Math Skills
- Communication Skills
- Computer Skills

Job Outlook
Currently, a bioinformatics data scientist is one of the top promising jobs projected to grow in the future. Scientists who can analyze large amounts of information and present it in a clear manner to decision-makers are in large demand, especially in the biotechnology sector.

Expected Salary Range
$50,000 - $142,000 (median pay $95,000)

Get a Head Start... with these classes in middle and high school:
- Algebra
- Biology
- Physical Science
- Mathematics
- Computer Science
- Statistics

Career Opportunities:
With an education in Bioinformatics Data Science, you could also be a: Computational Biologist, Genomic Data Scientist, Research Statistician, Software Developer for Systems.

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Salary information comes from data points collected directly from employees, users, and past and present job advertisements on Indeed.com during 2017-2019.

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