

Video Segment 7: Careers in Financial Analytics

“The returns now in the labor market are to people who are not the best data scientist or coder, but somebody who knows a little bit of both. -Dr. Daniel Taylor

NOTE-TAKING GUIDE

Professor Dan Taylor says, “People starting in analytics should think about how best to be that bridge.” Explain how that statement relates to the following discussed in this video clip:

Learning to be a data translator:

Reflection: Are you a data scientist in training? How are you preparing to become the data translator that both professors Taylor and Roberts advocate for? Consider the classes you take in school, summer programs, internships and your exploration on YouTube. Write a short essay detailing your experiences with data and analytics and where you hope they will take you. Even if you don’t want a career in the Analytics of Finance, how are you embracing the data revolution?

THE LANGUAGE OF BUSINESS

(Linked terms are defined in the Wharton Global Youth Video Glossary)

[CEO or Chief Executive Officer](#)

[CFO or Chief Financial Officer](#)

[Computer Science](#)

[Data](#)

[Financial Innovation \(Fintech\)](#)

[Financial Services](#)

[Labor Market](#)

[PhD](#)

[Software Developer](#)

[Statistician](#)

Analytics (or Data Analytics): The systematic computational analysis of data or statistics. It is used for the discovery, interpretation and communication of meaningful patterns in data.

Beyond Business: An ongoing conversation at the Wharton School of the University of Pennsylvania that explores the most complex and pressing issues impacting individuals and organizations across the world. Each year Wharton Global Youth creates [Explore Business mini-sites](#) around different Beyond Business themes.

Big Data: Large datasets that can be analyzed computationally to reveal patterns and trends.

Coding: Sometimes called computer programming, this is how we communicate with computers. Code tells a computer what actions to take.

Computer Designer: Someone who handles the design and construction of computer systems.

Daniel Taylor: A Wharton School Professor of Accounting and Director of the [Wharton Forensic Analytics Lab](#).

Data Scientist: An analytical data expert who has the technical skills to solve complex problems.

Erika James: Dean of the Wharton School with research interests in crisis leadership, workplace diversity and management strategy.

Finance: An industry or area of study having broadly to do with money and economics.

Finance Professional: Someone working in the field of finance, such as an accountant, investment banker, portfolio manager, quantitative analyst, securities trader or crypto expert.

Michael Roberts: A Wharton School Professor of Finance.

Programming: Writing computer programs, or sets of instructions that tell a computer how to perform a task.

Software Engineer: A professional who works on larger-scale projects than a software developer. An engineer designs, develops and tests entire computer systems and application software for a company.

Statistics: Collecting and analyzing numerical data in large quantities.

The Wharton School: The Wharton School, also referred to as just Wharton, is the business school of the University of Pennsylvania, a private Ivy League university based in Philadelphia, Pennsylvania. Wharton is a world leader in business education and a hub for academic research in all areas of business.

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[Learning to Be a 'Rocket Scientist' of Statistics](#)