This Course Collection helps Analysts learn to translate their organization's data into reports and simple visualizations to communicate findings. Skills focus on SQL, Tableau and Excel.

Who this is for
Aspiring business analysts or functional employees looking to incorporate more data analytics into their work.
SKILLS ACQUIRED

- SQL
- Data Analysis
- Data Model
- Data Quality
- Business Model

Introduction to Data Analytics for Business

DESCRIPTION

This course will expose you to the data analytics practices executed in the business world. We will explore such key areas as the analytical process, how data is created, stored, accessed, and how the organization works with data and creates the environment in which analytics can flourish. What you learn in this course will give you a strong foundation in all the areas that support analytics.

TOPICS

- Data and Analysis in the Real World
- Analytical Tools
- Data Extraction Using SQL
- Real World Analytical Organizations

David Torgerson
Instructor
In this first course of the specialization, you will discover just what data visualization is, and how we can use it to better see and understand data. Using Tableau, we’ll examine the fundamental concepts of data visualization and explore the Tableau interface, identifying and applying the various tools Tableau has to offer.

**SKILLS ACQUIRED**
- Tableau Software
- Data Visualization
- Visualization (Computer Graphics)
- Storyboarding

**DESCRIPTION**

**TOPICS**
- Getting Started & Introduction to Data Visualization
- Exploring and Navigating Tableau
- Making Data Connections
- Context of Data Visualization & Course Wrap-Up
SKILLS ACQUIRED
- Microsoft Excel Macro
- Data Validation
- Lookup Table
- Microsoft Excel Vba
- Solver

Excel Skills for Business: Intermediate II

DESCRIPTION
Spreadsheet software remains one of the most ubiquitous pieces of software used in workplaces across the world. Learning to confidently operate this software means adding a highly valuable asset to your employability portfolio. In this third course of our Excel specialization Excel Skills for Business you will delve deeper into some of the most powerful features Excel has to offer.

TOPICS
- Data Validation
- Conditional Logic
- Automating Lookups
- Formula Auditing and Protection

TAUGHT BY
Dr Yvonne Breyer
Director, Learning and Teaching
Faculty of Business and Economics
New York University Tandon
School of Engineering

**SKILLS ACQUIRED**
- Human Visualization
- Applied Perception
- Visual Channels
- Color Perception

**Information Visualization: Applied Perception**

**DESCRIPTION**
This module aims at introducing fundamental concepts of visual perception applied to information visualization. These concepts help the student ideate and evaluate visualization designs in terms of how well they leverage the capabilities of the human perceptual machinery.

**TOPICS**
- Applied Perception for Information Visualization
- Effectiveness of Visual Channels
- Color Perception and Color Spaces
- Using Color in Visualization

**TIME**
- ~14.2 hours total
- 3.6 hours per week

**SPECIALIZATION**
- Information Visualization

**RATING**
- 5 out of 5 stars

**TAUGHT BY**
- Enrico Bertini
  - Associate Professor
  - Computer Science and Engineering
- Cristian Felix
  - PhD. Candidate
  - Computer Science and Engineering

[Link to course]
We live in a complex world with diverse people, firms, and governments whose behaviors aggregate to produce novel, unexpected phenomena. We see political uprisings, market crashes, and a never ending array of social trends. How do we make sense of it? Models. Evidence shows that people who think with models consistently outperform those who don’t.

**TOPICS**
- Why Model & Segregation/Peer Effects
- Aggregation & Decision Models
- Thinking Electrons: Modeling People & Categorical and Linear Models
- Tipping Points & Economic Growth

**SPECIALIZATION**
- Rating: 4.8 out of 5 stars

**TIME**
- Total: ~31.9 hours
- Per week: 2.7 hours
- Hours of video: ~0
- Assignment hours: ~0

**TAUGHT BY**
Scott E Page
LEONID HUWICZ COLLEGIATE PROFESSOR OF COMPLEX SYSTEMS, POLITICAL SCIENCE, AND ECONOMICS