



ANALYTICS CAREERS START HERE!

Doc Kevin Lee Elder



LOUISIANA TECH
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Agenda:

What is Analytics?

What jobs are there?

What do I need to know/have on my resume?

How do I get from here to there?

Degrees/Certificates

Free Training

Paid training

Certifications

Resources, Resources, Resources!

<http://bit.ly/3XRqEN4> ← Slides →



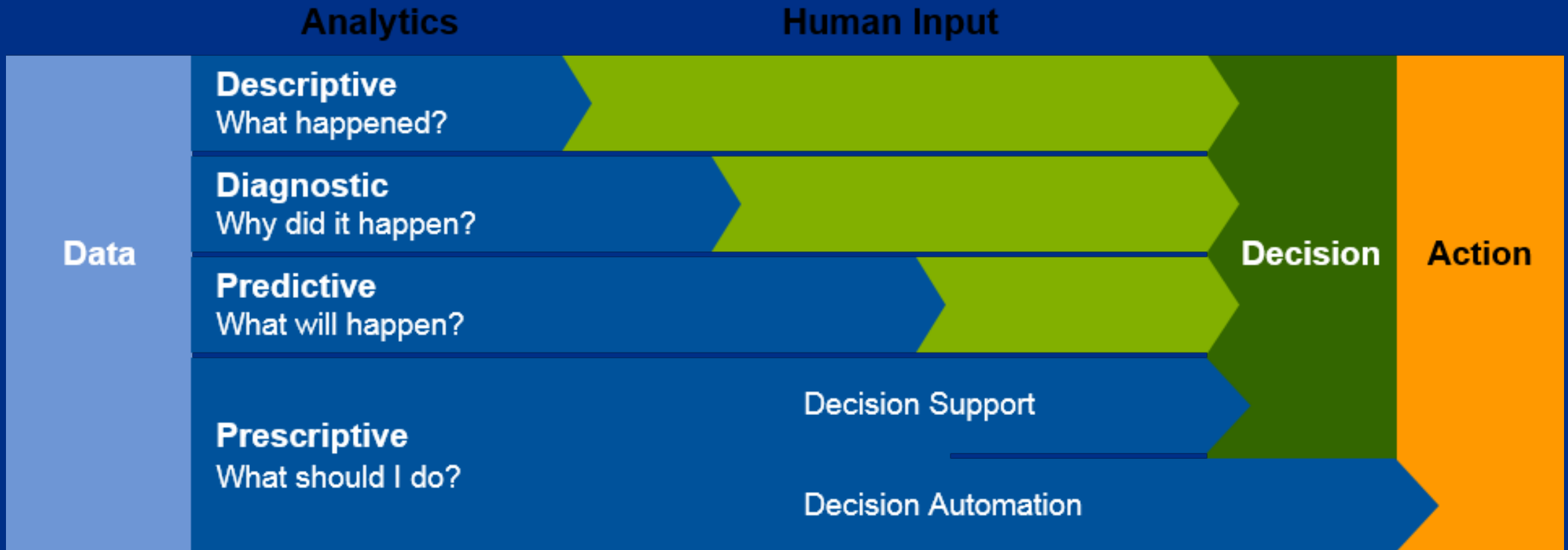


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*Analytics: worried that everybody else
is doing it, while you just watch?*

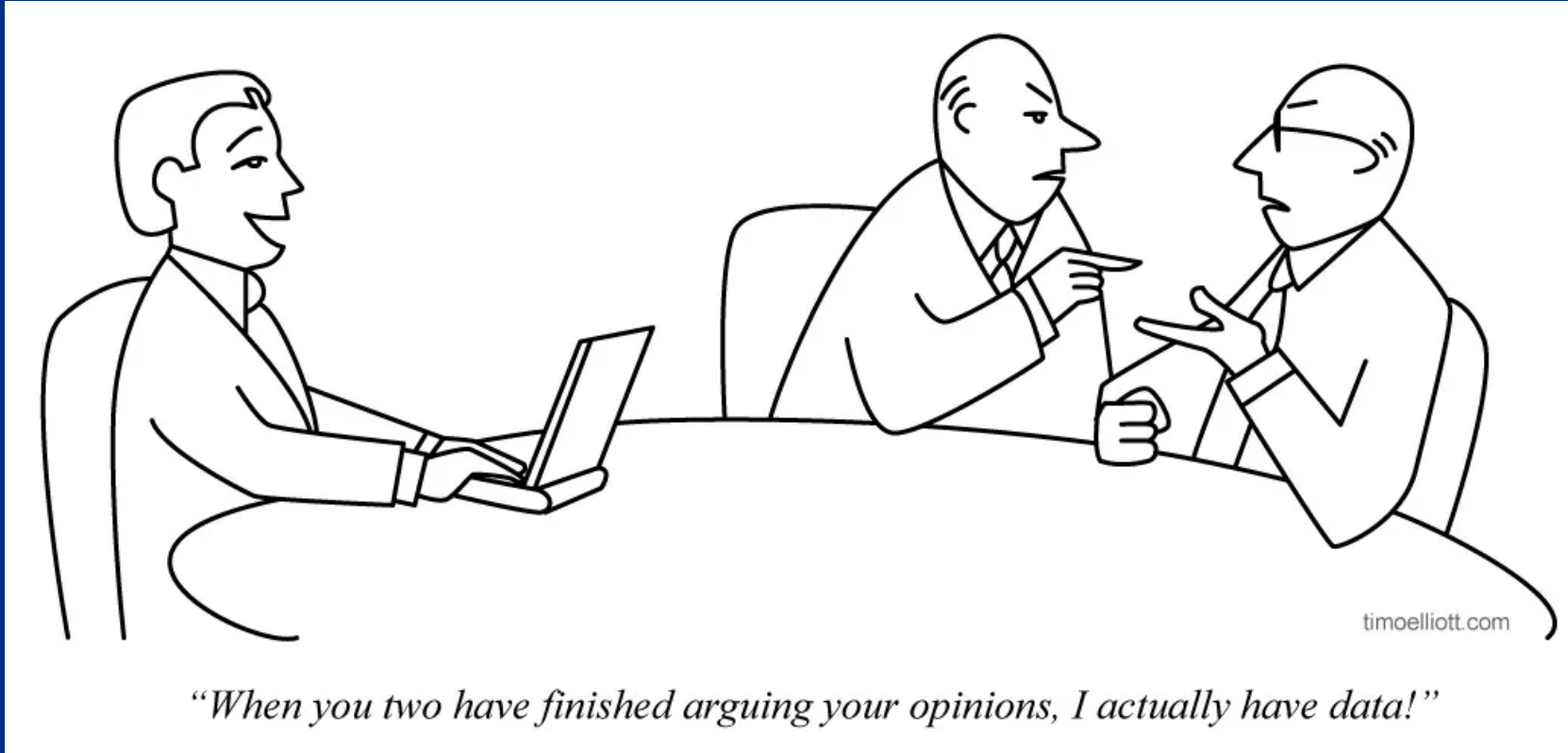
<https://timoelliott.com/blog/cartoons/analytics-cartoons>

What is Analytics?



What is Advanced Analytics?

Advanced Analytics Focuses on More Complex Questions	
Basic Analytics Asks ...	Advanced Analytics Asks ...
How many customers have bought which kind of products in the past three months?	How can we target customers so that we can sell even more products, especially profitable products and those of which we have more inventory?
How many failures have we experienced in the past three months for different types of equipment?	How can we predict failures before they happen, enabling us to do predictive maintenance instead of routine maintenance?
What problems with quality have we experienced in the past month?	How can we influence the production process so that we can control quality more effectively?



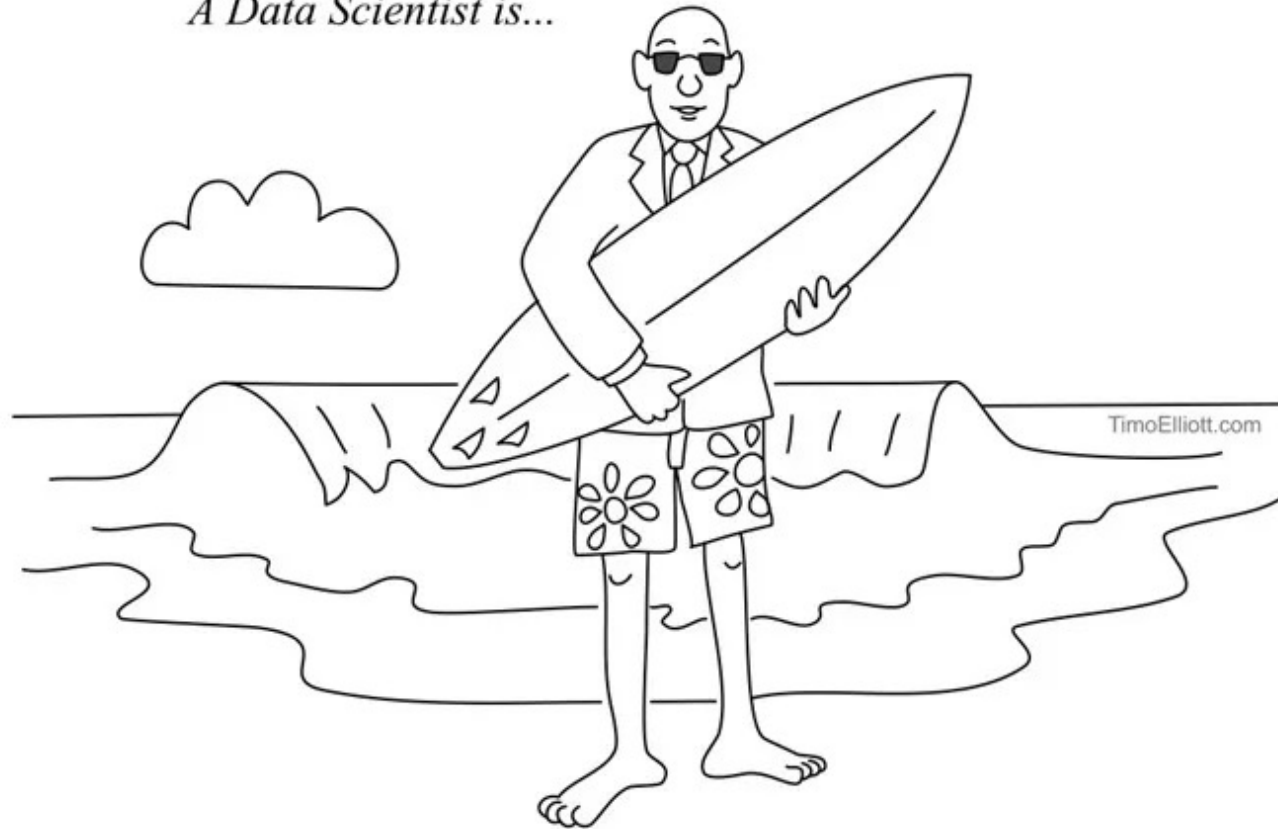
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What is BI vs. Analytics?

Business intelligence vs. advanced analytics		
	BUSINESS INTELLIGENCE	ADVANCED ANALYTICS
Answers the questions:	<ul style="list-style-type: none">■ What happened?■ When?■ Who?■ How many?	<ul style="list-style-type: none">■ Why did it happen?■ Will it happen again?■ What will happen if we change x?■ What else does the data tell us that we never thought to ask?
Includes:	<ul style="list-style-type: none">■ Reporting (KPIs, metrics)■ Automated monitoring and alerting (thresholds)■ Dashboards■ Scorecards■ OLAP (cubes, slice and dice, drilling)■ Ad hoc query■ Operational and real-time BI	<ul style="list-style-type: none">■ Statistical or quantitative analysis■ Data mining■ Predictive modeling■ Multivariate testing■ Big data analytics■ Text analytics

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A Data Scientist is...



A Business Analyst that lives in California.

<https://timoelliott.com/blog/cartoons/more-analytics-cartoons>

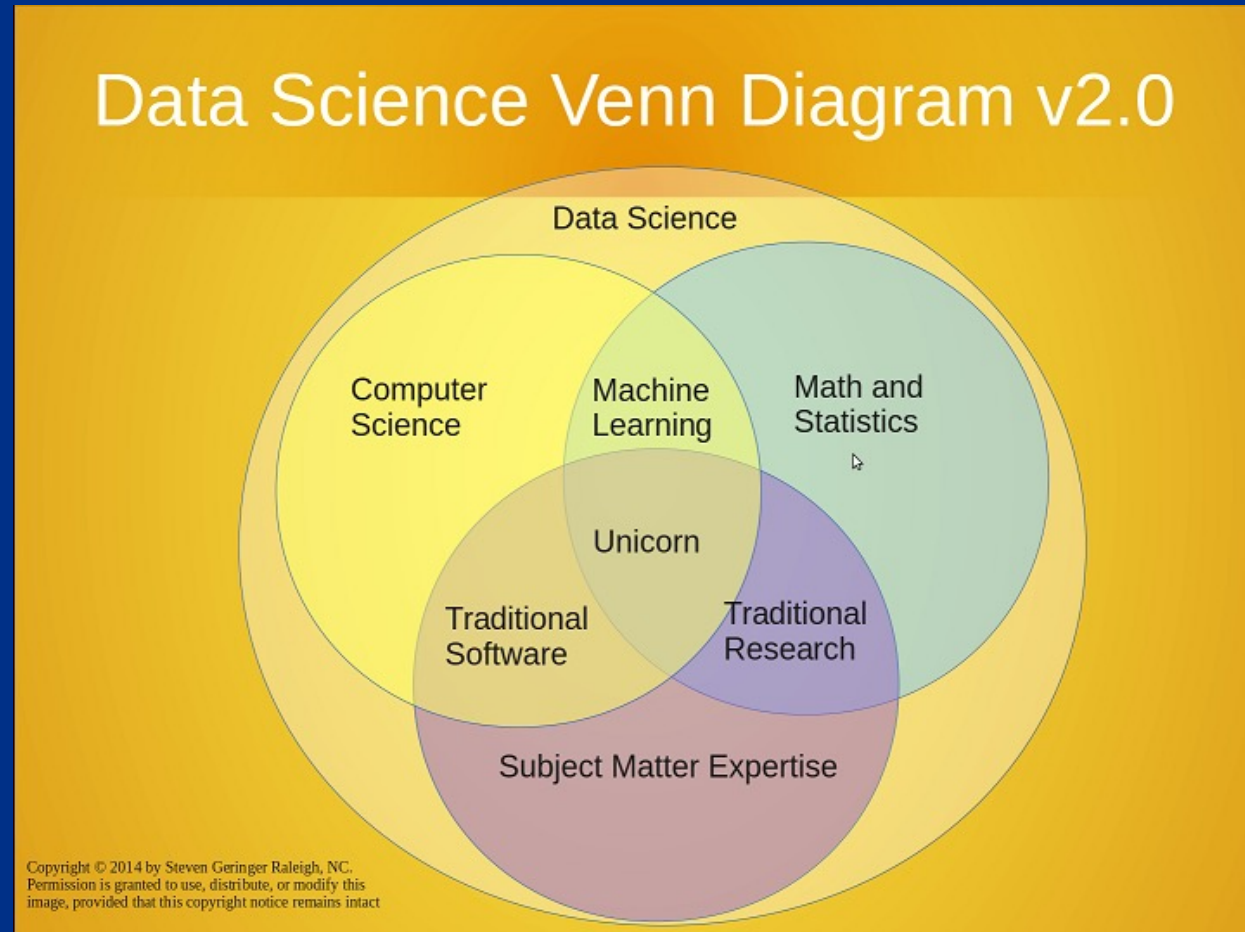
What is BI vs. Data Science?

BI Analyst versus Data Science Characteristics

Area	BI Analyst	Data Scientist
Focus	Reports, KPIs, trends	Patterns, correlations, models
Process	Static, comparative	Exploratory, experimentation, visual
Data sources	Pre-planned, added slowly	On the fly, as-needed
Transform	Up front, carefully planned	In-database, on-demand, enrichment
Data quality	Single version of truth	"Good enough", probabilities
Data model	Schema on load	Schema on query
Analytics	Retrospective, Descriptive	Predictive, Prescriptive, Preventative

Source: Bill Schmarzo "Big Data MBA" Course Curriculum

What Do I have to Know/Have on my resume?



What Do I

MODERN DATA SCIENTIST

Data Scientist, the sexiest job of the 21st century, requires a mixture of multidisciplinary skills ranging from an intersection of mathematics, statistics, computer science, communication and business. Finding a data scientist is hard. Finding people who understand who a data scientist is, is equally hard. So here is a little cheat sheet on who the modern data scientist really is.

sume?

MATH & STATISTICS

- ☆ Machine learning
- ☆ Statistical modeling
- ☆ Experiment design
- ☆ Bayesian inference
- ☆ Supervised learning: decision trees, random forests, logistic regression
- ☆ Unsupervised learning: clustering, dimensionality reduction
- ☆ Optimization: gradient descent and variants

DOMAIN KNOWLEDGE & SOFT SKILLS

- ☆ Passionate about the business
- ☆ Curious about data
- ☆ Influence without authority
- ☆ Hacker mindset
- ☆ Problem solver
- ☆ Strategic, proactive, creative, innovative and collaborative



PROGRAMMING & DATABASE

- ☆ Computer science fundamentals
- ☆ Scripting language e.g. Python
- ☆ Statistical computing packages, e.g., R
- ☆ Databases: SQL and NoSQL
- ☆ Relational algebra
- ☆ Parallel databases and parallel query processing
- ☆ MapReduce concepts
- ☆ Hadoop and Hive/Pig
- ☆ Custom reducers
- ☆ Experience with xaaS like AWS

COMMUNICATION & VISUALIZATION

- ☆ Able to engage with senior management
- ☆ Story telling skills
- ☆ Translate data-driven insights into decisions and actions
- ☆ Visual art design
- ☆ R packages like ggplot or lattice
- ☆ Knowledge of any of visualization tools e.g. Flare, D3.js, Tableau

What Do

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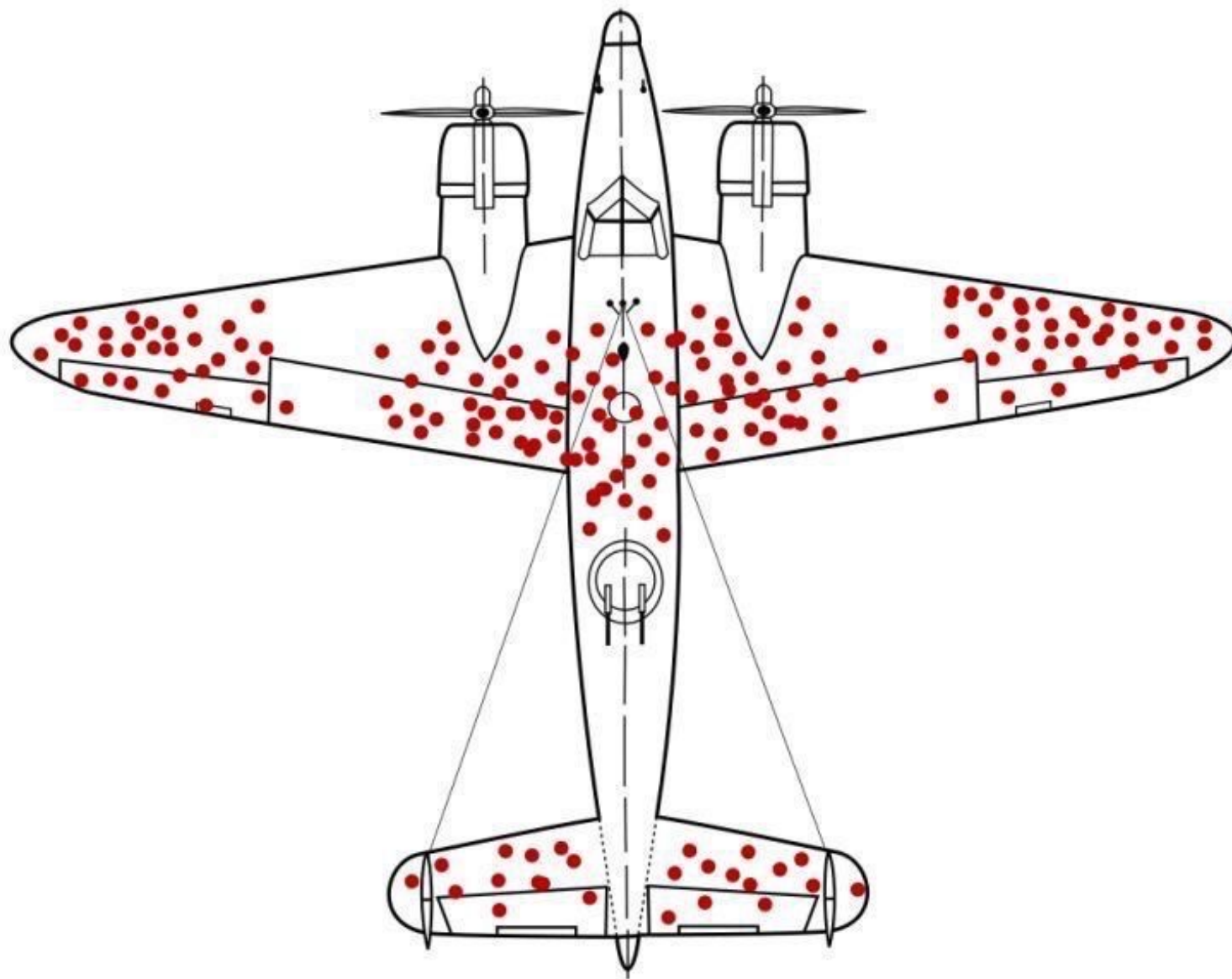


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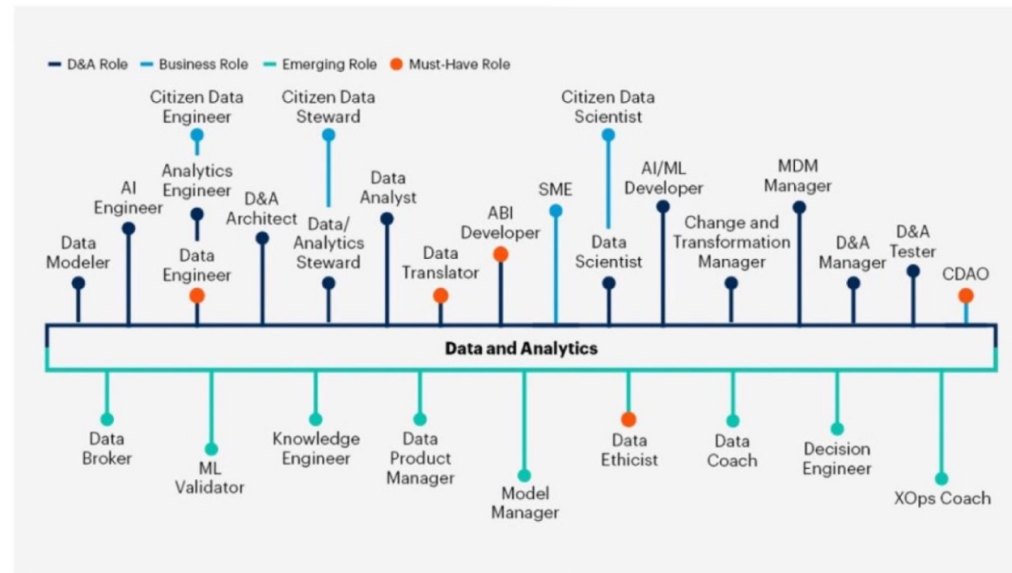
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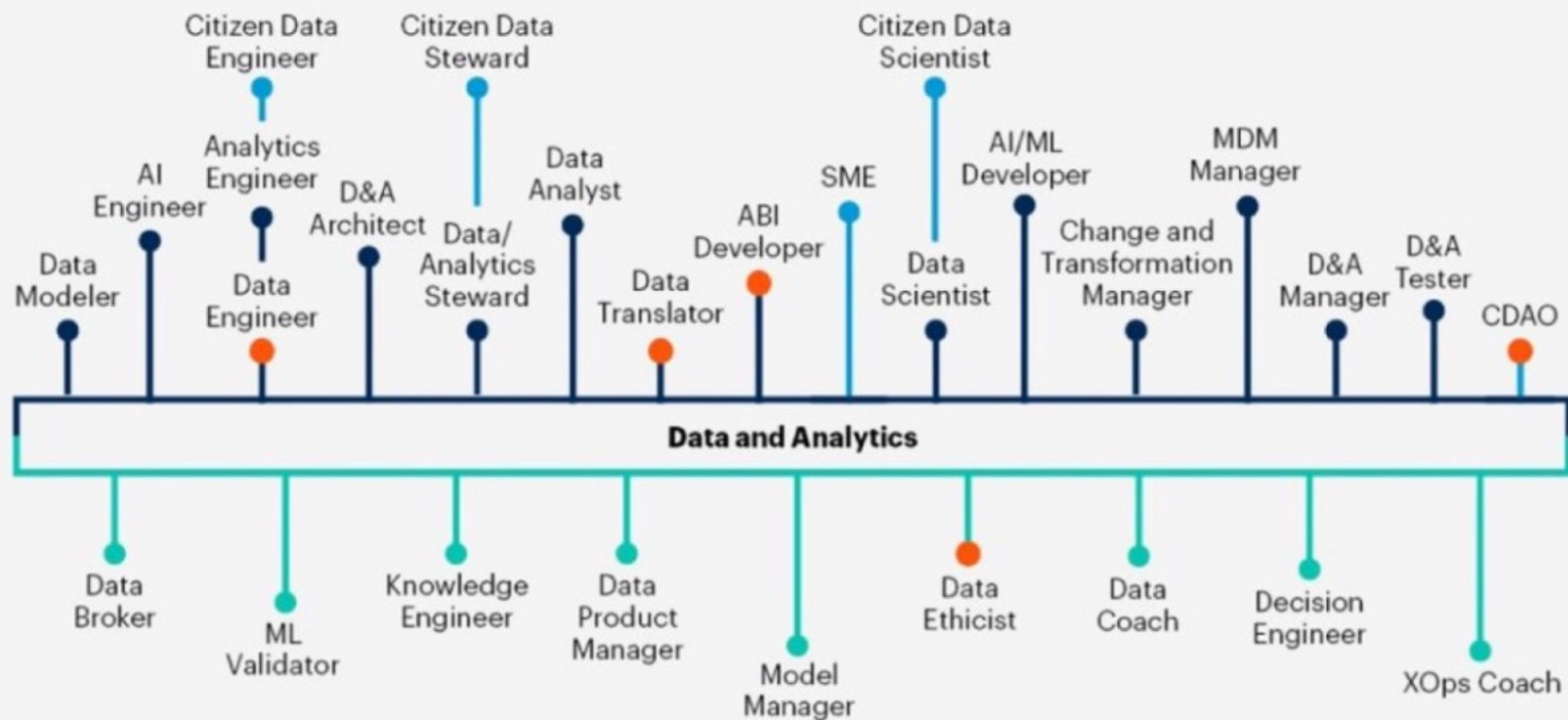


What Jobs Are out there in Analytics – Lots!

The Emerging Spectrum of Data and Analytics Roles



— D&A Role — Business Role — Emerging Role ● Must-Have Role



Big Data Engineer	Data Analytics Manager	Hadoop Administrator	Sr. BI Engineer
Billing Analyst	Data Engineer	Hadoop Engineer	Sr. Business Intelligence Analyst
Business Analyst	Data Engineering Manager	HRIS Analyst	Systems Administrator
Business Intelligence Engineer	Data Governance Manager	Imagery Analyst	Systems Analyst
Business Intelligence Manager	Data Integration Specialist	Incident Response Analyst	Targeting Analyst
Business Process Analyst	Data Manager	Intelligence Analyst	Technical Analyst
Business Process Manager	Data Quality Specialist	Intelligence Specialist	Vice President, Analytics
Business Solutions Analyst	Data Scientist	IT Analyst	Vice President, Client Services
Business Strategy Manager	Data Warehouse/ETL Developer	IT Systems Engineer	Vice President, Data Science
Business Systems Analyst	Data Warehouse/ETL Engineer	Operations Manager	Vice President, Information Security
Chief Data Officer (CDO)	Database Administrator	Planning Manager	Vice President, Information Technology
Computer Systems Analyst	Digital Marketing Manager	Programmer Analyst	Vice President, Professional Services
Configuration Management Specialist	Director, Analytics	Research Analyst	Vice President, Research
Data & Analytics Consultant	Director, Business Intelligence	Senior Data Analyst	Vice President, Technology
Data & Analytics Manager	Director, Data & Analytics	Senior Programmer Analyst	Web Engineer
Data Analyst	Enterprise Architect	Software Engineer	Web Manager
Data Analytics Engineer	Functional Analyst	Software Infrastructure Engineer	Webmaster

For Other Opinions Some More Readings

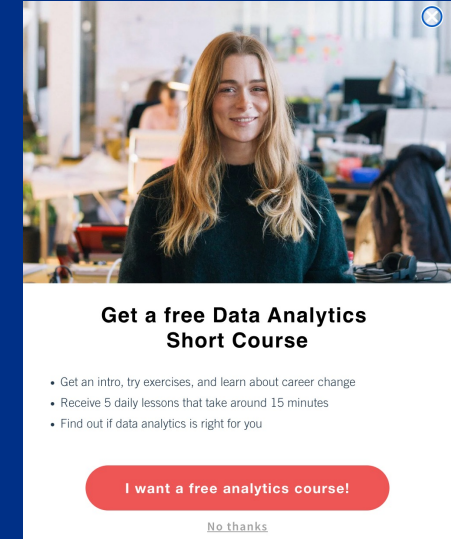


[The 9 Best Data Analytics Certification Programs of 2023 \(careerfoundry.com\)](https://careerfoundry.com/en/blog/data-analytics/the-9-best-data-analytics-certification-programs-of-2023/)

[The Ultimate Guide to Entry-Level Data Analyst Jobs \(careerfoundry.com\)](https://careerfoundry.com/en/blog/data-analytics/the-ultimate-guide-to-entry-level-data-analyst-jobs/)

[Data Analytics Job Descriptions \(And What They Really Mean\) \(careerfoundry.com\)](https://careerfoundry.com/en/blog/data-analytics/data-analytics-job-descriptions-what-they-really-mean/)

[36 Alternative Job Titles for Business Analysts \(bridging-the-gap.com\)](https://bridging-the-gap.com/blog/36-alternative-job-titles-for-business-analysts/)

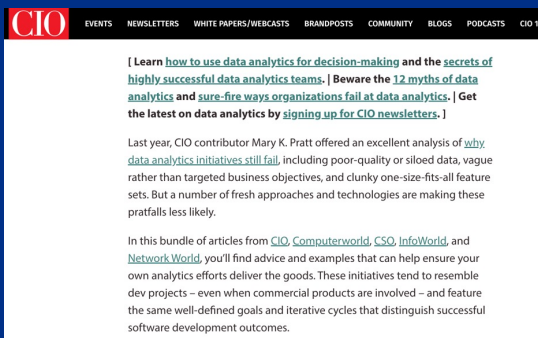


Get a free Data Analytics Short Course

- Get an intro, try exercises, and learn about career change
- Receive 5 daily lessons that take around 15 minutes
- Find out if data analytics is right for you

[I want a free analytics course!](#)

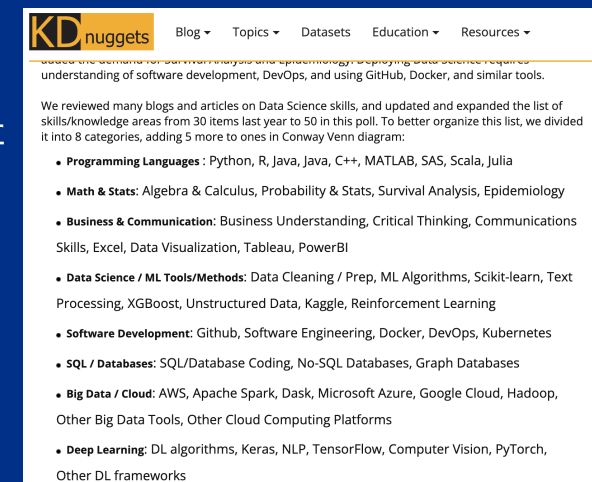
[No thanks](#)



[Business Intelligence & Analytics Job Titles Sitemap – Ladders \\$100K Job Search, News & Career Advice \(theladders.com\)](https://theladders.com/blog/business-intelligence-and-analytics-job-titles-sitemap/)

[5 perspectives on modern data analytics | CIO](https://www.kdnuggets.com/2020/09/modern-data-science-skills.html)

<https://www.kdnuggets.com/2020/09/modern-data-science-skills.html>



understanding of software development, DevOps, and using GitHub, Docker, and similar tools.

We reviewed many blogs and articles on Data Science skills, and updated and expanded the list of skills/knowledge areas from 30 items last year to 50 in this poll. To better organize this list, we divided it into 8 categories, adding 5 more to ones in Conway Venn diagram:

- **Programming Languages** : Python, R, Java, C++, MATLAB, SAS, Scala, Julia
- **Math & Stats**: Algebra & Calculus, Probability & Stats, Survival Analysis, Epidemiology
- **Business & Communication**: Business Understanding, Critical Thinking, Communications Skills, Excel, Data Visualization, Tableau, PowerBI
- **Data Science / ML Tools/Methods**: Data Cleaning / Prep, ML Algorithms, Scikit-learn, Text Processing, XGBoost, Unstructured Data, Kaggle, Reinforcement Learning
- **Software Development**: Github, Software Engineering, Docker, DevOps, Kubernetes
- **SQL / Databases**: SQL/Database Coding, No-SQL Databases, Graph Databases
- **Big Data / Cloud**: AWS, Apache Spark, Dask, Microsoft Azure, Google Cloud, Hadoop, Other Big Data Tools, Other Cloud Computing Platforms
- **Deep Learning**: DL algorithms, Keras, NLP, TensorFlow, Computer Vision, PyTorch, Other DL frameworks



DEGREES BUSINESS VS. TECHNOLOGY

Ask where their alumni are working, ask who is coming to recruit this term, ask what will I be learning, ask who will be teaching me?

Ask yourself what is missing from my resume, how long do I have to fill it in with what I am missing? Do I already have a degree? Do I need a full degree or a certificate?

Business IS Degree

Business Classes:

Acct, Blaw, Econ, Computer
MGT, Oper Mgt., Strategy,
MKTG, Finance, SCM,
International, B Comm,
Biz Math

IS Classes:

JR - Python, DB, SA&D,
Enterprise Systems
SR – BI & Analytics, EPM,
Infrastructure/Networking,
Project Implementation

Tech Degree

Business Classes:

Acct

MGT

Strategy

MKTG

Finance

B Comm

IT Classes:

Python, R, Go, Dev/Ops

DB, DW, Data Mining,
Architecture, ML, AI

SDLC, Agile, Scrum, Prod Mgr,
Proj. MGT, Six Sigma

BI & Analytics, EPM, Data Viz,
Data StoryTelling, Predictive
Analytics, Pers. Analytics, Opt

Infrastructure/Networking,
Cloud, Tools, Open Source

Certificates at Uni's: Example of What to Look For

CERTIFICATES IN BUSINESS ANALYTICS

Specialized Graduate Certificate (4 courses, 16 credit hours)

The specialized certificate addresses data analytics in all business and enterprise decisions. You'll learn to:

- use basic coding principles of solution design including looping and conditions
- develop data cleaning, data analysis, data mining, and predictive modeling skills for data sets of varying sizes
- understand database design principles and construct appropriate queries from databases
- apply appropriate data modeling techniques and present result using appropriate information display techniques.

You'll take four foundation courses at your own pace:

- STAT 4610 Business Analytics
- INFO 4120 Python
- INFO 4140 Business Databases
- INFO 4300 Predictive Analytics

Graduate Certificate (6 courses, 24 credit hours)

In addition to the four foundational courses, the graduate certificate offers electives that let you expand your knowledge in the topics that interest you most.

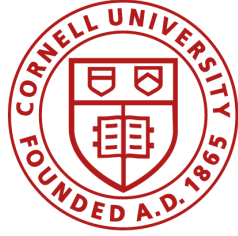
You'll take the foundation courses above, plus choose two of the following electives:

- INFO 4240 Data Warehousing
- INFO 4340 Data Mining and Visualization
- INFO 4390 Analytic Modeling in R
- INFO 4590 Optimization

[View course descriptions](#)

<https://daniels.du.edu/business-information-analytics/certificates/>

University Certificates




Data analytics is among today's fastest-growing and highest-paid professions as organizations increasingly rely on data to drive strategic business decisions. Whether you are gathering data or analyzing it to make recommendations, this certificate is designed to provide functional literacy in critical business analytics.

3 COURSES

- + Understanding and Visualizing Data
- + Implementing Scientific Decision Making
- + Using Predictive Data Analysis

University Certificates


CARL H. LINDNER COLLEGE OF BUSINESS

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Data analytics certificate core courses

Course No.	Course Title	Course Description	Credit Hours
*BANA 6043	Statistical Computing	This is a course on the use of computer tools for data management and analysis. The focus is on a few popular data management and statistical software packages such as SQL, SAS, SPSS, S Plus, R, and JMP although others may be considered. Data management and manipulation techniques including queries in SQL will be covered. Elementary analyses may include measures of location and spread, correlation, detection of outliers, table creation, graphical displays, comparison of groups, as well as specialized analyses.	2
BANA 7038	Data Analysis Methods	This course covers the fundamental concepts of applied data analysis methods. Various aspects of linear and logistic regression models are introduced, with emphasis on real data applications. Students are required to analyze data using major statistical software SAS and R.	2
IS 6030	Data Management	This course provides an introduction to the use and design of databases to store, manipulate and query data. The course introduces the structured query language (SQL) used to manage data. Students who complete this course should understand how to use SQL for basic data manipulation and queries. This course is intended for users of existing databases to extract needed information and should not be taken by MSIS students or those students who wish to learn detailed database design techniques.	2
*IS 7034	Data Warehousing for Business Intelligence	This course is designed for the comprehensive learning of data warehousing technology for business intelligence. Data warehouses are used to store (archive) data from operational information systems. Data warehouses are useful in generating valuable control and decision-support business intelligence for many organizations in adjusting to their competitive environment. This course will introduce students to the design, development and operation of data warehouses. Students will apply and integrate the data warehousing and business intelligence knowledge learned in this course in leading software packages.	2

Course No.	Course Title	Course Description	Credit Hours
BANA 6037	Data Visualization	This course provides an introduction as well as hands-on experience in data visualization. It introduces students to design principles for creating meaningful displays of quantitative and qualitative data to facilitate managerial decision-making.	2
BANA 6044	Applications Development Using VBA	The use of visual basic for applications for the development of applications of management science models for planning and decision support in a spreadsheet environment.	2
BANA 7046	Data Mining I	This is a course in statistical data mining with emphasis on hands-on data analysis experience using various statistical methods and major statistical software (SAS and R) to analyze large complex real world data. Topics include: Data Processing, Variable Selection for linear regression and generalized linear regression. Out-of-sample Cross Validation. Generalized Additive models. Nonparametric smoothing methods. Classification and Regression Tree. Neural Network. Monte Carlo Simulation.	2
BANA 7047	Data Mining II	This is a course in statistical data mining II with emphasis on hands-on data analysis experience using various statistical methods and major statistical software (SAS and R) to analyze large complex real world data. Topics include: Missing Data Imputation, Bootstrapping, Boosting and Multiple Additive Regression Trees, Bayesian Trees, Support Vector Machine, Discriminant Analysis, Cluster Analysis, Factor Analysis, Principle Component Analysis.	2
IS 7032	Database Design	This course provides in-depth coverage of the principles of database design. It is a follow on to IS 7030. Having learned to develop relational data models in the first course, students start this course with concepts related to validating and revising the database design using normalization theory. This is followed by relational algebra and structured query language (SQL) for data definition (DDL), data manipulation (DML), data control (DCL), and deeper level of data querying (DQL) for the implementation of the database design. Finally, higher level normalization concepts are introduced. Workshop and laboratory sessions are included to provide hands-on learning experience in normalization procedures and SQL.	2
IS 7036	Data Mining for Business Intelligence	This course is designed for the in-depth learning of data-mining knowledge and techniques in the context of business intelligence. The topics include association rules, classification, clustering and text mining. Students will apply and integrate the business intelligence knowledge learned in this course in leading software packages.	2
IS 7038	Managing Business Intelligence Projects	This course discusses key concepts in the management of Business Intelligence Projects. Using the Systems Development Life Cycle as an organizing framework, and a case discussion based pedagogy, students are exposed to the major challenges in justifying BI projects, eliciting user requirements, selecting the right tools and technologies, and implementing the final solution.	2

University Certificates

Curriculum

Boston University's Graduate Certificate in Applied Business Analytics consists of four required online courses (16 credits).

Students who earn the Graduate Certificate in Applied Business Analytics may waive MET AD 616, MET AD 654, and MET AD 688 for the Boston University Metropolitan College [Master of Science in Applied Business Analytics](#) degree program.

As a **prerequisite** to the course MET AD 571 Business Analytics Foundations, applicants are required to complete [MET AD 100 Pre-Analytics Laboratory](#) and MET ADR 100 Introduction to R for Business. MET AD 571 is a prerequisite for MET AD 616, MET AD 654, MET AD 688, and MET AD 699. Some courses may have additional prerequisites.

▼ Courses


(Four courses/16 credits)

► **METAD571** Business Analytics Foundations

Plus three chosen from the following:




- **METAD616** Enterprise Risk Analytics
- **METAD654** Marketing Analytics
- **METAD688** Web Analytics for Business
- **METAD699** Data Mining for Business Analytics

Louisiana Tech University Certificates

 LOUISIANA TECH
UNIVERSITY

APPLY

University Catalog 2022-2023 [ARCHIVED CATALOG]

[ARCHIVED CATALOG]   

Business Analytics, Undergraduate Certificate

[Return to: College of Business](#)

CIP = 30.7102

Curriculum

- **QA 432: Intermediate Business Statistics** 3 Semester Credit Hours
- **CIS 348: Principles of Business Analytics** 3 Semester Credit Hours
- **CIS 448: Advanced Business Analytics** 3 Semester Credit Hours
- **ECON 452: Descriptive and Predictive Analytics** 3 Semester Credit Hours

Elective Courses (6 SCH):

- **CIS 323: Database System Management** 3 Semester Credit Hours
- **ACCT 308: Managerial Cost Accounting** 3 Semester Credit Hours
- **ACCT 439: Accounting Analytics** 3 Semester Credit Hours
- **ECON 409: Managerial Economic Analysis** 3 Semester Credit Hours
- **ECON 451: Research Methods in Economics** 3 Semester Credit Hours
- **FINC 430: Financial Data Analytics** 3 Semester Credit Hours
- **FINC 451: Research Methods in Finance** 3 Semester Credit Hours
- **MGMT 474: Logistics Technology, Innovation and Management** 3 Semester Credit Hours
- **CIS 419: Visual Analytics** 3 Semester Credit Hours

*Note: Other relevant courses may be used as electives subject to approval by the administering academic department.

Total: 18 SCH

MS in Analytics Georgia Tech

Online Master of Science in Analytics - Curriculum

Fall 2023 Standard Application Deadline is Feb. 1

Degree Overview

Curriculum

Student Resources

Online Learning

Curriculum

FALL 2023 STANDARD APPLICATION DEADLINE
Feb 1, 2023

FALL 2023 FINAL APPLICATION DEADLINE
Mar 15, 2023

SPRING PROGRAM BEGINS
Jan 9, 2023

NEXT INFO SESSION
Jan 26, 2023

Request Information »

Attend Info Session »

RSVP for the Jan 24 Application 101 Webinar »

On-Campus Program »

How to Apply »

Curriculum

There's no better way to learn about a field that requires computing, business, statistics, and research, than through a university that ranks in the top 10 in all four categories. The Online Master of Science in Analytics (OMS Analytics) at Georgia Tech meets this criterion – and many other high standards.

Many students fulfill the degree requirements in one-and-a-half to two years; however, the program is flexible enough that you have up to six years to complete them.

The program also consists of 30 course offerings. All OMS Analytics students take 15 hours of mandatory (core) coursework on big data analytics in business, visual analytics, computing, statistics, and operations research essentials. Additionally, you get to focus on your individual interests through 15 hours of electives in a specialized track (area of concentration).

Six-Hour Practicum

The degree program culminates with a practicum course that enables you to apply previously learned concepts and classroom teachings to a project of significant interest to you. Like students in the on-campus version of the program, you can propose an authentic business need that uses data from your own employer, or you can gain real-world experience through one of our pre-selected projects.

Visual Snapshot

Our OMS Analytics curriculum grid breaks down the different types of courses and concentrations into digestible components. For more details about each track's focus, scroll down to the section below.

Areas of Specialization

Every student in the degree program gets to declare an area of specialization within data science and analytics. Three focus areas are available: an Analytical Tools track, a Business Analytics track, and a Computational Data Analytics track. The summaries below describe each in more detail.

Analytical Tools Track

The Analytical Tools track focuses on the quantitative methodology, regression, forecasting, data mining,

INTRODUCTORY CORE REQUIREMENTS (9 HOURS)

SPECIAL NOTE

Students with sufficient background in any of the following may waive one or more of these requirements.

Introduction for Computing for Data Analytics

Computational techniques needed for data analysis, including basic numerical computing, and visualization using both CSE 6040 and CX 4240.

Introduction to Analytics Modeling (ISYE 6515)

This course gives a basic introduction to a wide range of models, experience using software to find a complete solution. Modeling approaches include series modeling, regression models, design of experiments, simulation, PCA, and optimization. Cross-cutting topics are also covered.

Business Fundamentals for Analytics (MGT 6203)

An accelerated introduction to the basics of business analytics, a framework that will enhance a person's effectiveness in the workplace.

ADVANCED CORE REQUIREMENTS (6 HOURS)

Data and Visual Analytics (CSE 6242)

The course introduces students to analysis and visualization of data. Applications will be covered including several types of data.

Data Analytics in Business (MGT 6203)

Teaches the scientific process of transforming data into insights using various methodologies, algorithms, and challenges in data science before starting the practicum. Suggested prerequisites: MGT 6203, ISYE 6515, and CSE 6242.

STATISTICS ELECTIVES (6 HOURS)

OPERATIONS ELECTIVE (3 HOURS)

TRACK ELECTIVES (6 HOURS)

ADDITIONAL ELECTIVES (0-9 HOURS)

Bayesian Statistics (ISYE 6420)

This course covers the fundamentals of Bayesian computation, and how they are applied to Bayesian inference, credible sets, conjugate empirical Bayes models, and hierarchical MCMC, Metropolis-Hasting algorithms, Gibbs approximation. Various applications of Bayesian Statistics Course

Computational Data Analysis (ISYE 6740)

Machine learning is a field of computer science that is programmed. The course is designed to teach the most important methods to know about, including 'one' using asymptotic theory? How can we choose a dataset of interest? What can we say about the function? What does it mean to be statistically grounded in the methods, theory, machine learning. The course covers topics from regression to class with a pre-existing working knowledge of advantage, but the class has been designed to participate. Some experience with coding is required.

Regression Analysis (ISYE 6414)

This course covers the fundamentals of Bayesian computation, and how they are applied to Bayesian inference, credible sets, conjugate empirical Bayes models, and hierarchical MCMC, Metropolis-Hasting algorithms, Gibbs approximation. Various applications of Bayesian Statistics Course

Time Series Analysis (ISYE 6402)

Basic forecasting and methods, ARIMA and state space models.

Data Mining and Statistical Learning (ISYE 6341)

An introduction to some commonly used machine learning algorithms (KNN) algorithm, linear methods for regression, vector machine, neural networks, and Kernel methodology, motivation, and assumptions. Data examples using the R statistical software.

High-dimensional Data Analytics (ISYE 6370)

This course focuses on analysis of high-dimensional data using statistical machine learning, multilinear algebra and tensor applications including low rank and sparse modeling and machine learning and their applications. This is a significant generalization of linear optimization. The course and final project is on integer optimization, which is a significant generalization of linear optimization.

Data Analysis for Continuous Improvement (MGT 8823)

Because it is one thing to know how to analyze data and another thing to actually use it to solve problems, the purpose of this course is to show how mastery of data analysis can be applied to the real world. In doing so, we will explore the development of key performance indicators (KPIs) and how to use KPIs to drive improvement in an organization. We will also discuss the four methods of continuous improvement and how data analysis can be leveraged in each method. Because the course weaves examples from both industry and everyday life, what is learned can be directly applied to both your personal and professional lives. In addition to the practical knowledge gained, students will also be shown tools that are outside of the typical analytics course and provided with the knowledge of how to use these tools on their own and in conjunction with the data analysis. Because one must know not only how to analyze data but also how to determine from where the actual data should come, the tools chosen will assist the student in coming up with what to analyze in the first place.

Digital Marketing (MGT 6311)

Become familiar with the key concepts and techniques utilized in modern digital marketing. Understand the primary characteristics of various online channels including mobile marketing, email marketing, and social media marketing. Gain awareness of important concepts and best practices in the use of digital marketing tools (search engine optimization, pay-per-click advertising, etc.).

Financial Modeling (MGT 8813)

Students will create spreadsheets using pivot tables, Excel functions, solver, goal seek, and VBA. The course will also include topics such as time value of money, stock and bond valuation, firm valuation, financial statements, cost of capital, option pricing models, and portfolio optimization. This course is intended to prepare students to build financial models.

Privacy for Professionals (MGT 6727)

This course takes a multi-disciplinary approach to the study of privacy—a current topic of great international interest for those in technology, policy, law, and/or business. It prepares students to work professionally in the privacy field, with an emphasis on U.S.-based law and practice. Course topics include introduction to privacy, federal and state regulators and enforcement of privacy law, principles of information management, online privacy, the California Consumer Privacy Act, information security and data breach notification laws, European Union privacy laws, medical privacy, financial privacy, education privacy, workplace privacy, privacy issues in civil litigation and government investigations, and emerging issues. The professor draws on his extensive experience in business, government, technology, and law to address current privacy debates.

Information Security Policies and Strategies (PUBP 6725)

This course introduces students to the policy and management aspects of cybersecurity. It is based on the idea that cybersecurity policy can be sorted into three "layers" representing different levels of social organization: individual organization, the national level, and the transnational level. The course is divided into four modules: the first exposes students to basic concepts and definitions regarding policy, governance, and threats; the second deals with cybersecurity policy at the organizational level; the third deals with cybersecurity public policy at the national level; the fourth deals with cyber conflict, policy, and diplomacy at the transnational level. This course situates cybersecurity in the overall Internet ecosystem.



DEGREES BUSINESS VS. TECHNOLOGY

Ask where their alumni are working, ask who is coming to recruit this term, ask what will I be learning, ask who will be teaching me?

Ask yourself what is missing from my resume, how long do I have to fill it in with what I am missing? Do I already have a degree? Do I need a full degree or a certificate?

I'm the senior director of a \$5 billion data company — here's how a mix of programming and leadership courses skyrocketed my career since college

By Julia Pugachevsky Jan 8, 2023, 11:06 AM



Mike Crabtree

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- I'm the senior director of a \$5 billion data company; before that, I was a manager at Ford.
- I took 25 online courses and earned certificates from [Coursera](#), [edX](#), and [LinkedIn Learning](#).
- Focusing on hard skills like data analysis as well as management helped me move up in my career.

Top editors give you the stories you want — delivered right to your inbox each weekday.

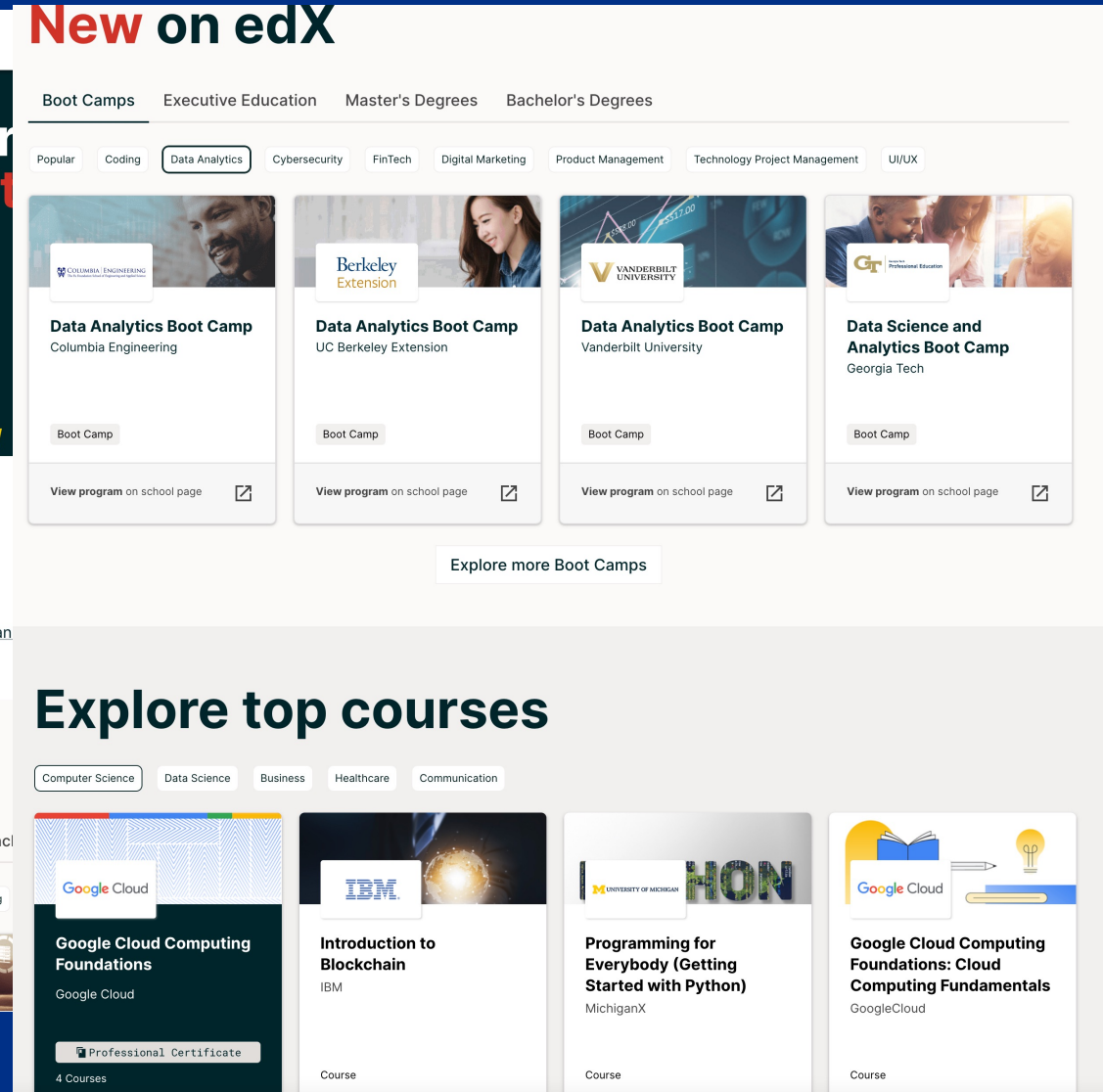
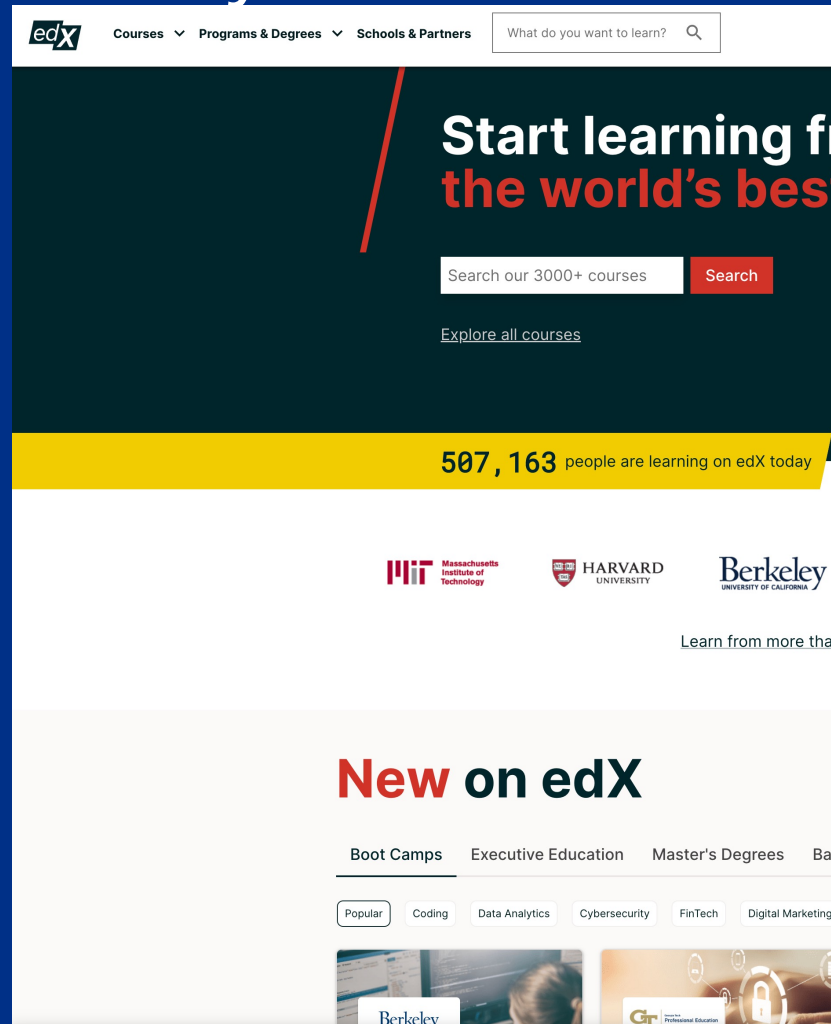
Non-University Certificates, Certifications & Training

The screenshot shows the LinkedIn Learning interface with search results for the keyword 'analytics'. The top navigation bar includes the LinkedIn Learning logo, a search bar with 'analytics' entered, and links for Home, My Learning, Me, EN, and Reactivate. Below the navigation bar, a banner reads 'Reactivate today and learn the most in-demand business, tech, and creative skills'. The search results section shows 3,676 results for 'analytics', sorted by 'Best Match'. The results list several courses, each with a thumbnail, title, instructor, duration, rating, and number of learners. Each course entry also includes a 'Save' button.

Course Title	Instructor	Duration	Rating	Learners	Level
Learning Data Analytics: 1 Foundations	Robin Hunt	3h 29m	4.7 (8,685)	201,095	Beginner + Intermediate
Data Analytics for Business Professionals	John Johnson	1h 16m	4.6 (937)	24,409	Intermediate
Introduction to Business Analytics	John David Ariansen and Madecraft	1h 25m	4.6 (811)	18,891	Beginner
Data Analytics: Dashboards vs. Data Stories	Madecraft and Sara Anstey	17m	4.6 (1,950)	69,399	Beginner
Power BI Essential Training	Gini von Courter	3h 45m	4.7 (310)	8,569	Intermediate
Introduction to Career Skills in Data Analytics	Robin Hunt	2h 16m	4.7 (3,551)	30,413	Beginner

<https://www.linkedin.com/learning/search?keywords=analytics>

Non-University Certificates, Certifications & Training



<https://www.edx.org/>

Paid Courses

Introduction to Data Analytics

Skills you'll gain: Data Analysis, Data Management, Data Science, Big Data, Database...

★ 4.8 (10k reviews)

Beginner · Course · 1-3 Months

IBM Data Science

Skills you'll gain: Python, Data Science, Data Analysis

★ 4.6 (105.7k reviews)

Credit Eligible

Beginner · Professional Certificate

Data Visualization with Tableau

Skills you'll gain: Data Visualization, Business Analysis, Data Visualization Software, Data...

★ 4.5 (7.2k reviews)

Beginner · Specialization · 3-6 Months

Analitik Data Google

Skills you'll gain: Data Analysis, Business Analysis, Data Management, Statistical...

★ 4.9 (1.2k reviews)

Beginner · Professional Certificate · 3-6 Months

Foundations: Data, Data, Everywhere

Skills you'll gain: Data Analysis, Data Management, SQL, Business Analysis, Data...

★ 4.8 (72.6k reviews)

Beginner · Course · 1-3 Months

Aspectos básicos: Datos, datos, en todas partes

Skills you'll gain: Business Analysis, Data Analysis, Leadership and Management, Process...

★ 4.8 (2.5k reviews)

Beginner · Course · 1-3 Months

IBM Data Analytics with Excel and R

Skills you'll gain: Data Analysis, R Programming, Data Visualization, Plot (Graphics), Data...

★ 4.7 (14.6k reviews)

Credit Eligible

Beginner · Professional Certificate · 3-6 Months

Analyzing and Google Way

Skills you'll gain: Data Analysis, Data Visualization, Data Management, Data Science...

Beginner · Course · 1-3 Months

Fundamentals of Visualization with Tableau

Skills you'll gain: Data Visualization, Data Visualization Software, Interactive Data...

★ 4.5 (5.9k reviews)

Beginner · Course · 1-4 Weeks

Fundamentos: dados, dados, em todos os lugares

Skills you'll gain: Business Analysis, Data Analysis, Process Analysis, Spreadsheet Software...

★ 4.9 (970 reviews)

Beginner · Course · 1-3 Months

Analysing: Numeric and digital literacies

Skills you'll gain: Business Analysis, Accounting, Data Analysis, Financial Analysis, Data...

★ 4.6 (989 reviews)

Beginner · Specialization · 3-6 Months

Finance, Analysis & Modeling MasterTrack® Certificate

Skills you'll gain: Marketing, Accounting, Business Analysis, Customer Analysis, Customer...

Credit Eligible

Mastertrack · 6-12 Months

Excel to MySQL: Analytic Techniques for Business

Skills you'll gain: Data Analysis, Business Analysis, Probability & Statistics, Spreadsheet...

★ 4.6 (14.9k reviews)

Beginner · Specialization · 3-6 Months

Data Analysis I

Skills you'll gain: Data Analysis, Python Programming

★ 4.6 (289 reviews)

Beginner · Course · 1-3 Months

Visualize Financial Data in Tableau

Skills you'll gain: Data Visualization, Tableau Software, Finance, Financial Analysis, Statistical...

Intermediate · Guided Project · Less Than 2 Hours

Global Master of Business Administration (MBA)

Skills you'll gain: Leadership and Management, Entrepreneurship, Marketing, Strategy and...

Earn a degree

Credit Eligible

Degree · 14 – 32 months

Master of Science in Management

Skills you'll gain: Accounting, Leadership and Management, Entrepreneurship, Marketing,...

Earn a degree

Credit Eligible

Degree · 1 year

Master of Science in Accounting

Skills you'll gain: Accounting, Leadership and Management, Entrepreneurship, Marketing,...

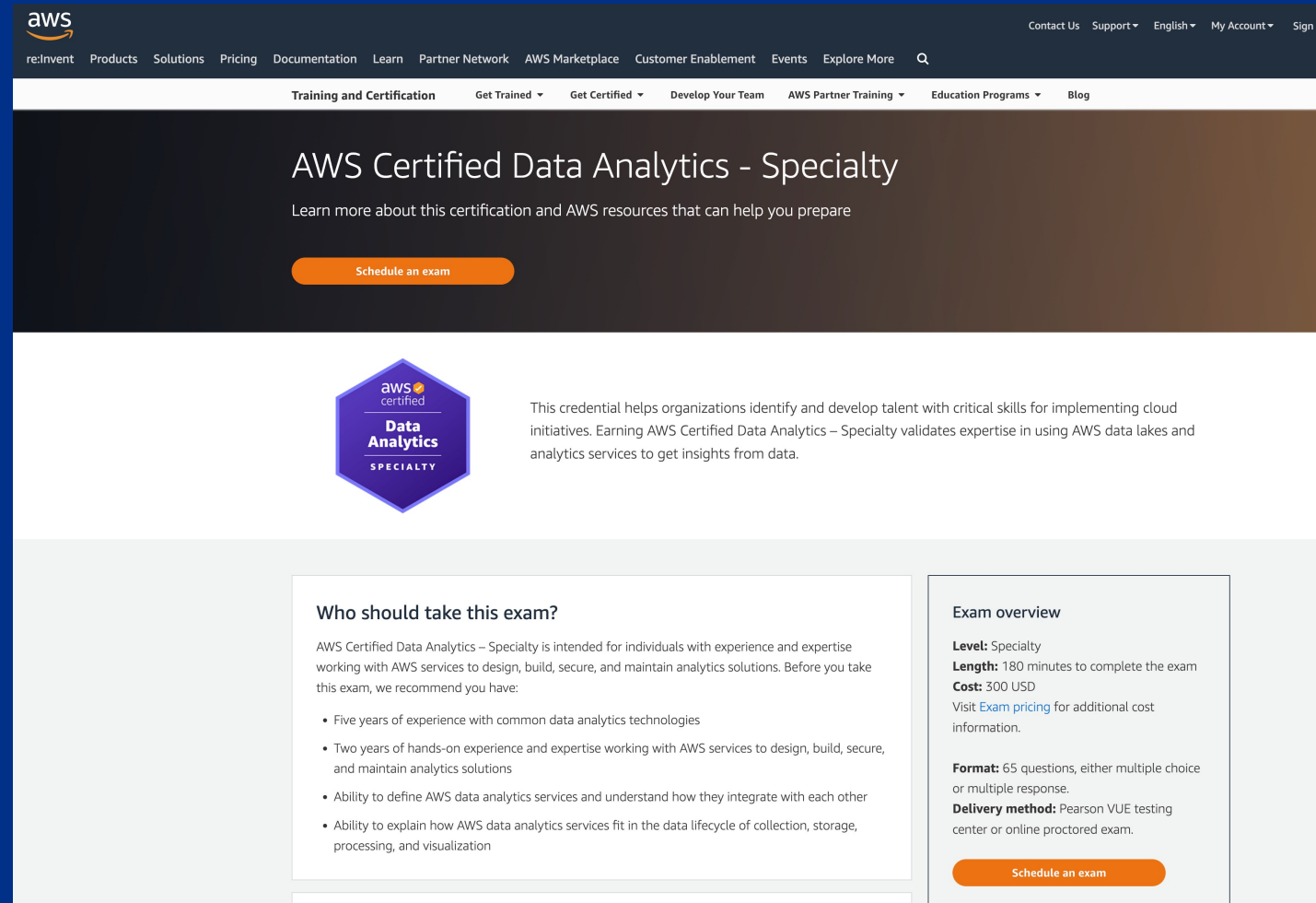
Earn a degree

Credit Eligible

Degree · 1.5 – 3 years

<https://www.coursera.org/search?query=data%20analytics&>

Non-University Certificates, Cetifications & Training



The screenshot shows the AWS Certified Data Analytics - Specialty exam page. The header includes the AWS logo and navigation links like 're:Invent', 'Products', 'Solutions', 'Pricing', 'Documentation', 'Learn', 'Partner Network', 'AWS Marketplace', 'Customer Enablement', 'Events', 'Explore More', and a search icon. A secondary navigation bar lists 'Training and Certification', 'Get Trained', 'Get Certified', 'Develop Your Team', 'AWS Partner Training', 'Education Programs', and 'Blog'. The main heading is 'AWS Certified Data Analytics - Specialty', followed by the subtext 'Learn more about this certification and AWS resources that can help you prepare' and a 'Schedule an exam' button. Below this is a purple hexagonal badge with the AWS Certified Data Analytics Specialty logo. To the right of the badge, a paragraph states: 'This credential helps organizations identify and develop talent with critical skills for implementing cloud initiatives. Earning AWS Certified Data Analytics – Specialty validates expertise in using AWS data lakes and analytics services to get insights from data.' The bottom section is divided into two columns. The left column, titled 'Who should take this exam?', lists four bullet points: 'Five years of experience with common data analytics technologies', 'Two years of hands-on experience and expertise working with AWS services to design, build, secure, and maintain analytics solutions', 'Ability to define AWS data analytics services and understand how they integrate with each other', and 'Ability to explain how AWS data analytics services fit in the data lifecycle of collection, storage, processing, and visualization'. The right column, titled 'Exam overview', lists: 'Level: Specialty', 'Length: 180 minutes to complete the exam', 'Cost: 300 USD' (with a link to 'Exam pricing'), 'Format: 65 questions, either multiple choice or multiple response', and 'Delivery method: Pearson VUE testing center or online proctored exam'. Both columns have a 'Schedule an exam' button at the bottom.

aws

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AWS Certified Data Analytics - Specialty

Learn more about this certification and AWS resources that can help you prepare

[Schedule an exam](#)



This credential helps organizations identify and develop talent with critical skills for implementing cloud initiatives. Earning AWS Certified Data Analytics – Specialty validates expertise in using AWS data lakes and analytics services to get insights from data.

Who should take this exam?

AWS Certified Data Analytics – Specialty is intended for individuals with experience and expertise working with AWS services to design, build, secure, and maintain analytics solutions. Before you take this exam, we recommend you have:

- Five years of experience with common data analytics technologies
- Two years of hands-on experience and expertise working with AWS services to design, build, secure, and maintain analytics solutions
- Ability to define AWS data analytics services and understand how they integrate with each other
- Ability to explain how AWS data analytics services fit in the data lifecycle of collection, storage, processing, and visualization

Exam overview

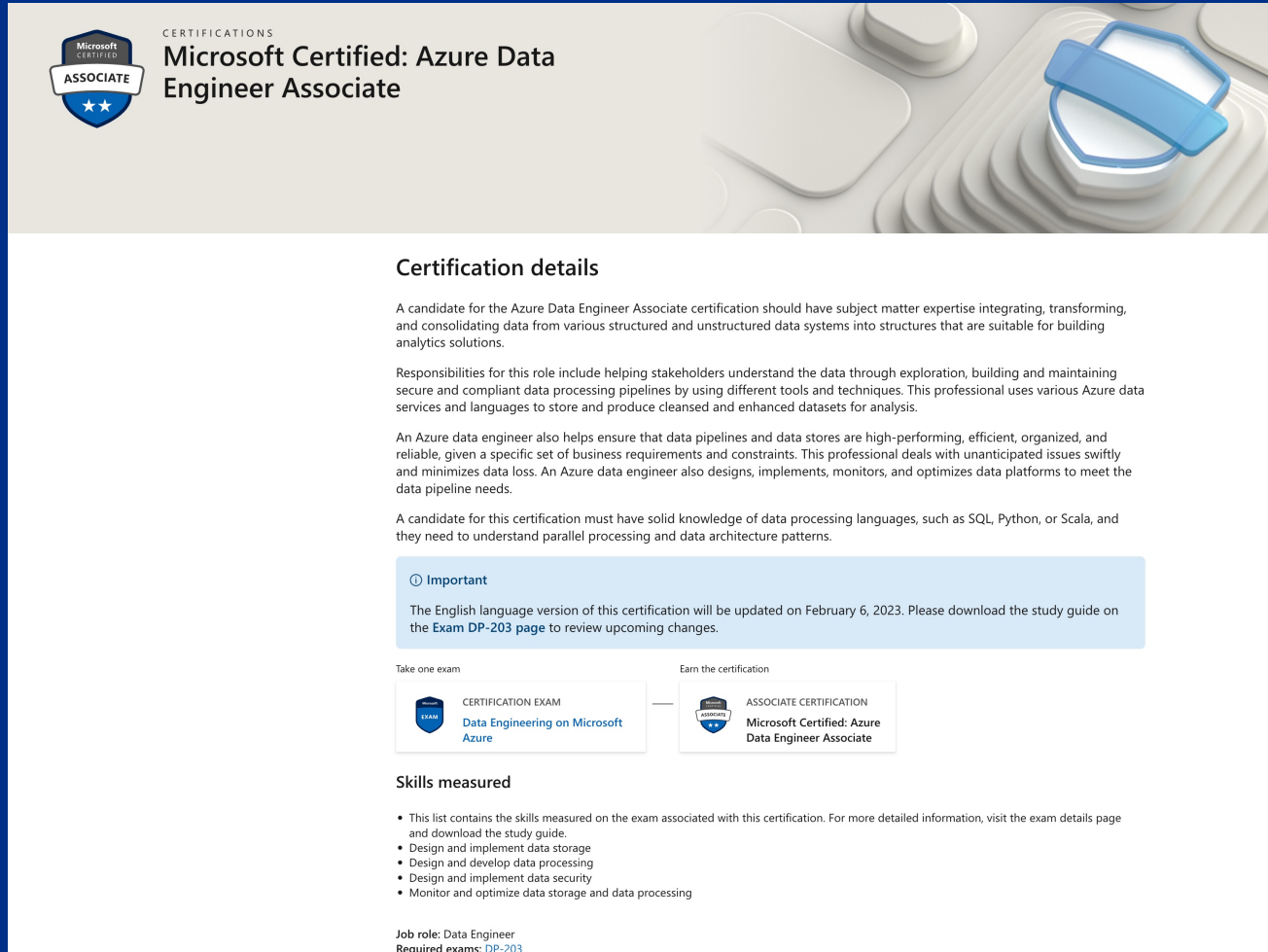
Level: Specialty
Length: 180 minutes to complete the exam
Cost: 300 USD
Visit [Exam pricing](#) for additional cost information.

Format: 65 questions, either multiple choice or multiple response.
Delivery method: Pearson VUE testing center or online proctored exam.

[Schedule an exam](#)

<https://aws.amazon.com/certification/certified-data-analytics-specialty/>

Non-University Certificates & Training



The screenshot displays the official Microsoft page for the Azure Data Engineer Associate certification. At the top, the Microsoft Certified Associate logo is shown next to the certification title. Below this, a 'Certification details' section provides a description of the role, its responsibilities, and the skills required. An 'Important' notice box states that the English version of the certification will be updated on February 6, 2023, and directs users to the 'Exam DP-203' page for updates. The 'Take one exam' section shows the 'Data Engineering on Microsoft Azure' exam, which leads to the 'Associate Certification' (Microsoft Certified: Azure Data Engineer Associate). A 'Skills measured' section lists the competencies assessed on the exam, such as designing and implementing data storage and processing. At the bottom, the job role is identified as 'Data Engineer' and the required exam is 'DP-203'.

Microsoft Certified: Azure Data Engineer Associate

Certification details

A candidate for the Azure Data Engineer Associate certification should have subject matter expertise integrating, transforming, and consolidating data from various structured and unstructured data systems into structures that are suitable for building analytics solutions.

Responsibilities for this role include helping stakeholders understand the data through exploration, building and maintaining secure and compliant data processing pipelines by using different tools and techniques. This professional uses various Azure data services and languages to store and produce cleansed and enhanced datasets for analysis.

An Azure data engineer also helps ensure that data pipelines and data stores are high-performing, efficient, organized, and reliable, given a specific set of business requirements and constraints. This professional deals with unanticipated issues swiftly and minimizes data loss. An Azure data engineer also designs, implements, monitors, and optimizes data platforms to meet the data pipeline needs.

A candidate for this certification must have solid knowledge of data processing languages, such as SQL, Python, or Scala, and they need to understand parallel processing and data architecture patterns.

Important

The English language version of this certification will be updated on February 6, 2023. Please download the study guide on the [Exam DP-203](#) page to review upcoming changes.

Take one exam

CERTIFICATION EXAM
Data Engineering on Microsoft Azure

Earn the certification

ASSOCIATE CERTIFICATION
Microsoft Certified: Azure Data Engineer Associate

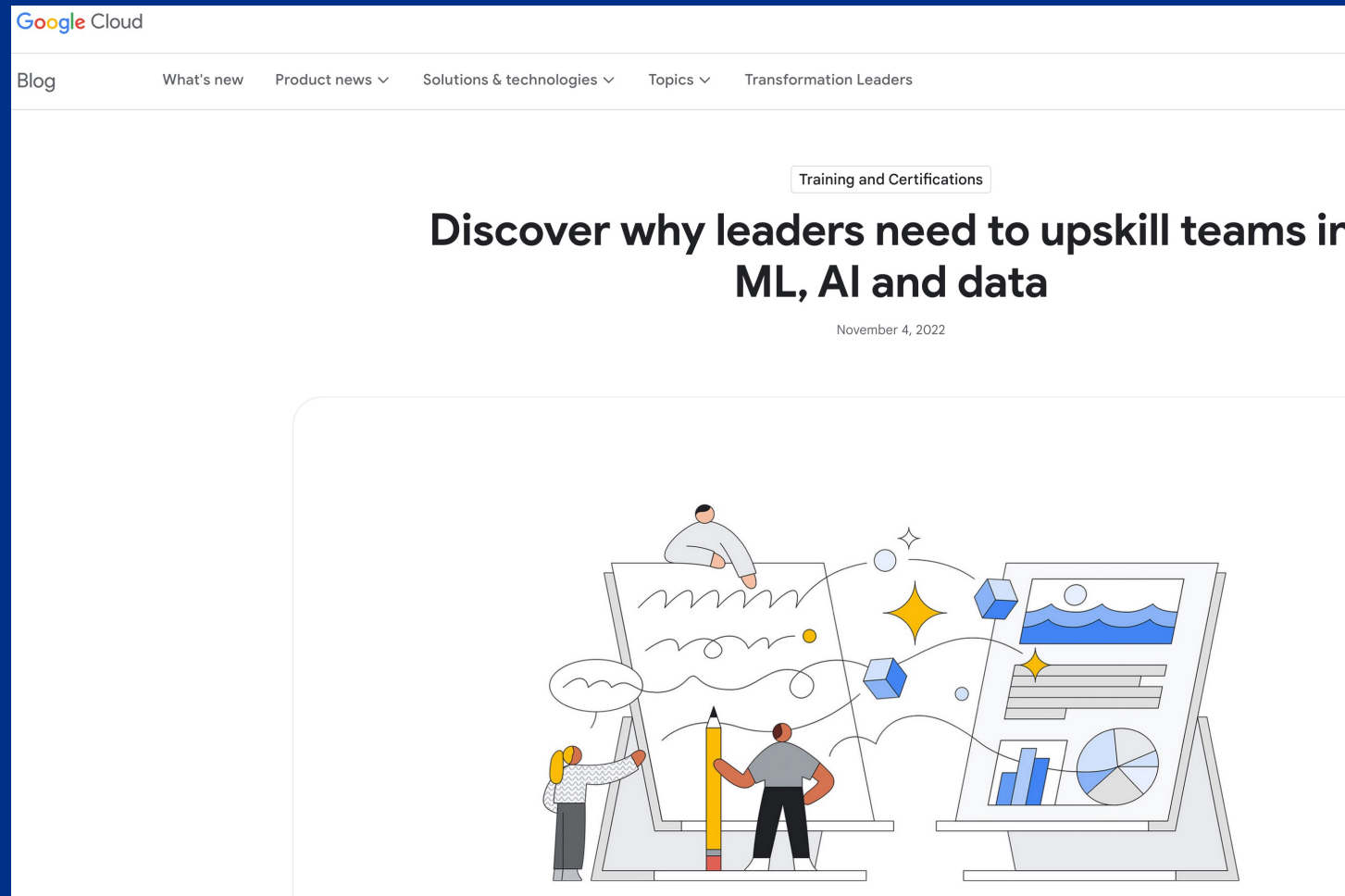
Skills measured

- This list contains the skills measured on the exam associated with this certification. For more detailed information, visit the exam details page and download the study guide.
- Design and implement data storage
- Design and develop data processing
- Design and implement data security
- Monitor and optimize data storage and data processing

Job role: Data Engineer
Required exams: DP-203

https://learn.microsoft.com/en-us/certifications/azure-data-engineer/?WT.mc_id=DP-MVP-5004032

Non-University Certificates & Training



<https://cloud.google.com/blog/topics/training-certifications/how-to-upskill-ai-ml-and-data-teams-for-business-impact>

Non-University Certificates & Training

New year

Start b

Your experien
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- You already Marketing a
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- **Code is nor** it easier to g experience. have a langu
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- **Learn core** and subnets
- **Make sure** for a role at
- **Familiarity** are portable

No-cost course

- [Cloud Digital Leader Learning Path](#) - understand cloud capabilities, products and services and how they benefit organizations

\$99 registration fee

- [Google Cloud Digital Leader Certification](#) - validate your cloud expertise by earning a certification

Commit to learning in the New Year

A couple of other resources we have are the [Google Cloud Innovators Program](#), which will help you grow on Google Cloud and connect you with other community members. There is no-cost to join, and it will give you access build your skills and the future of cloud! [Join today](#).

Start your new year strong, whether you are exploring Google Cloud Data, DevOps or Networking certifications by completing [Arcade games](#) each week. This January play to win in [The Arcade](#) while you learn new skills and earn prizes on Google Cloud Skills Boost. Each week we will feature a new game to help you show and grow your cloud skills, while sampling certification-based learning paths.

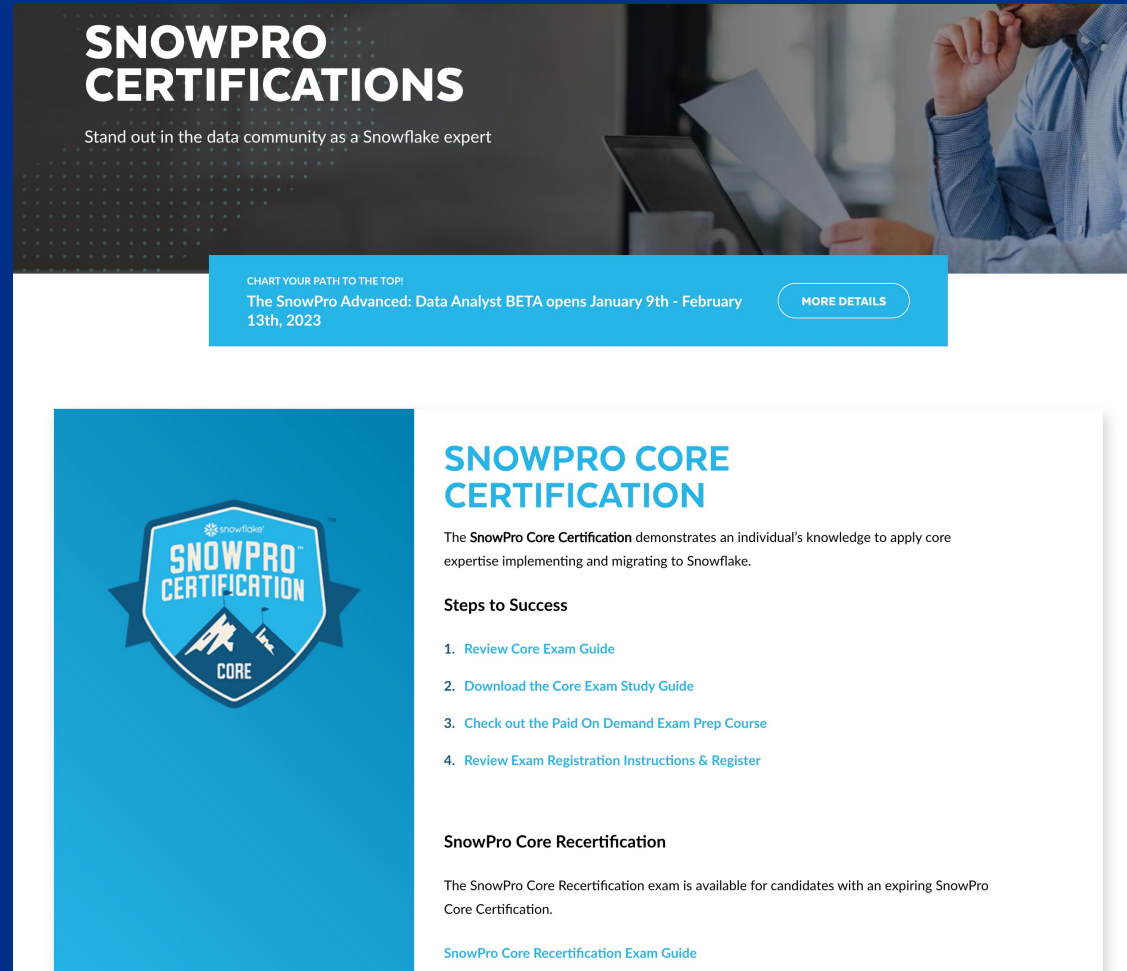
Make 2023 the year to build your cloud career and commit to learning all year, with our \$299/year [annual subscription](#). This subscription includes \$500 of Google Cloud credits (and a bonus \$500 of Google Cloud credits after you successfully certify), a \$200 certification voucher, \$299 annual subscription to Google Cloud Skills Boost with access to the entire training catalog, live-learning events and quarterly technical briefings with executives.

1. [Starting your career in cloud from IT](#) - Forrest Brazeal, Head of Content Marketing, Google Cloud

2. Credit card required to activate a 30 day no-cost trial for new users.

<https://cloud.google.com/blog/topics/training-certifications/start-your-cloud-career-in-2023-steps-and-skills-training>

Non-University Certificates & Training



SNOWPRO CERTIFICATIONS

Stand out in the data community as a Snowflake expert

CHART YOUR PATH TO THE TOP!
The SnowPro Advanced: Data Analyst BETA opens January 9th - February 13th, 2023

[MORE DETAILS](#)

SNOWPRO CORE CERTIFICATION

The **SnowPro Core Certification** demonstrates an individual's knowledge to apply core expertise implementing and migrating to Snowflake.

Steps to Success

1. [Review Core Exam Guide](#)
2. [Download the Core Exam Study Guide](#)
3. [Check out the Paid On Demand Exam Prep Course](#)
4. [Review Exam Registration Instructions & Register](#)

SnowPro Core Recertification

The SnowPro Core Recertification exam is available for candidates with an expiring SnowPro Core Certification.

[SnowPro Core Recertification Exam Guide](#)

<https://www.snowflake.com/certifications/>

Paid Courses

Achieve Your Goals With Databricks Certifications



by [Samantha Menot](#) and [Trang Le](#)
January 5, 2023 in [Company Blog](#)

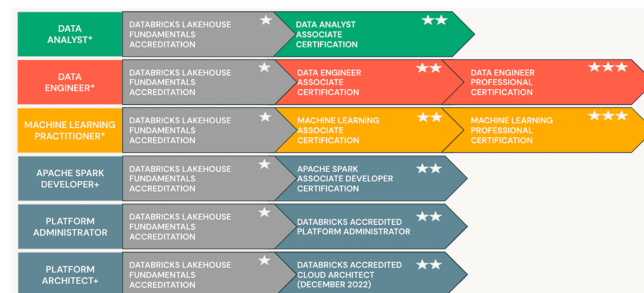
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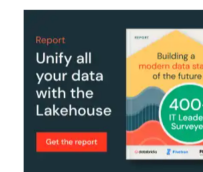
Elevate your career in the New Year! Start the new year off right by taking your Databricks enablement to the next level by getting Databricks certified in 2023!

The demand for technology roles is only growing – it's **projected that over 150 million jobs will be added in the next five years**. Across industries and regions, this is translating to increased demand for data, analytics and AI-related roles. In fact, when speaking with enterprise customers, many have indicated that the "skills of their staff" is the top concern for advancing their data and AI adoption.

To help close this skills gap, Databricks offers many role-based learning pathways across key data, analytics, and AI roles. Each learning pathway starts with Lakehouse Fundamentals, where learners can gain exposure to the basics of the lakehouse platform. With each of the data, analytics, and AI learning pathways, there are accreditations (short quizzes, unproctored) or certifications (exams, proctored) to test a learner's knowledge.



Databricks' Role-Based Learning Pathways



<https://www.databricks.com/blog/2023/01/05/achieve-your-goals-databricks-certifications.html/>

Paid Courses

udemy

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SQL that will get you hired – SQL for Business Analysis, Marketing, and Data Management

4.6 ★★★★★ (46,314 ratings) 187,970 students

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Try Personal Plan for free

Starting at \$16.58 per month after 7-day trial

What you'll learn

✓ Become an expert in SQL

✓ Boost your resume by learning an in-demand skill

✓ Start using MySQL – the #1 Database Management System

✓ Adopt professionally tested SQL best practices

✓ Work with a sophisticated real-life database

✓ Learn how to code in SQL

✓ Create, design, and operate with SQL databases

✓ Prepare for SQL developer, Database administrator, Business Analyst, and Business Intelligence job opportunities

✓ Gain theoretical insights about relational databases

✓ Get maximum preparation for real-life database management

Show more

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Data Analysts

A curated collection of courses and hands-on practice exercises to help you advance as a data analyst.

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340+

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4.6★

Avg. rating of courses

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Starting at \$16.58 per month after 7-day trial

<https://www.udemy.com/course/sql-mysql-for-data-analytics-and-business-intelligence/>

38

Free 'Courses'

The screenshot shows a LinkedIn interface. On the left is the profile of Doc Kevin Lee Elder, Research Professor of Analytics at Louisiana Tech University. The main content area shows a post by Dawn Harrington, VP | Teacher | Tech Tip Creator, with the text "tableau tips" and "When to Use Stepped Colors". The post has 2 likes and 0 comments. On the right is the LinkedIn News section with articles like "Mass shooting in California" and "How Apple has staved off layoffs". At the bottom right are promoted ads for qb, ZipRecruiter, and Slack Pro.

Doc Kevin Lee Elder
Research Professor of Analytics at Louisiana Tech University

Who's viewed your profile 193
Impressions of your posts 1,100

Access exclusive tools & insights
[Reactivate Premium](#)

My items

Recent

- Atlanta Tableau User Group ...
- Data Scientist & Analyst
- Real Business Intelligence 2...
- SAP Recession Ready your ...
- Global SuccessFactors and ...

Groups

- Atlanta Tableau User Group ...
- Data Scientist & Analyst
- Global SuccessFactors and ...

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- # analytics
- # visualization
- # predictiveanalytics

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Sort by: Top

Dawn Harrington (She/Her) • 1st
VP | Teacher | Tech Tip Creator | 2022 Tableau Social Ambassador | Alte...
1h •

Did you know you can also help your user make quicker decisions with reduced colors? Apply Stepped Color choices! Shoutout to my former coworker [Heather Gough](#) for demonstrating scenario 1 in the begir ...see more

tableau tips

When to Use Stepped Colors
techtipsgirl.com • 1 min read

2

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Top news • 6,462 readers
- How Apple has staved off layoffs**
7h ago • 2,926 readers
- Don't hesitate to ask for a raise**
7h ago • 3,412 readers
- Authenticity in the age of AI**
5h ago • 322 readers
- How to interview a potential boss**
7h ago • 1,318 readers

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ZipRecruiter makes hiring faster and easier. Try it now for FREE!
- Get 50% off Slack Pro**
Slack makes communication easier so your team can save time & get more done


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Free 'Courses'



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Free Training Videos

2022.4



Creator

Are you doing deep data prep and analysis? Responsible for creating content for others? Learn how to prepare, analyze, and share your data.

9 VIDEOS

Getting Started

20 MIN

2 VIDEOS

Tableau Prep

10 MIN

1 VIDEOS

Connecting to Data

17 MIN

1 VIDEOS

Mapping

3 MIN

1 VIDEOS

Calculations

3 MIN

Explorer

Do you have access to Tableau Server or Tableau Cloud to work with data? If you can access published data sources and create or modify content, these videos are for you. Learn how to work with your data on the web.

5 VIDEOS

More ways to learn and connect

What's New in Tableau 2022.4

Watch short demos of key new functionalities. (4 mins)

[WATCH NOW](#) →

Analyst Based Features

Watch all the analyst based features from past and present.

[WATCH NOW](#) →

eLearning

Discover self-paced, guided learning paths curated by experts.

[LEARN MORE](#) →

Instructor Led Training

Free 'Courses'

Community

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LOGIN

Get Answers from the Tableau Community

Take a look at the questions and answers throughout the community. Have a question you can't find the answer to? Choose a relevant topic below and a community member will reply with an answer

Take the Tableau Blueprint Assessment to Start your Year!

Find out where you are on your data-driven journey in one click with the FREE Tableau Blueprint Assessment.


TAKE THE ASSESSMENT!


Have a Question? Click on a Topic below


Choose a topic relevant to your question and select "Ask a Question" within the chosen topic.


New to the Forums? Check out our [First Time Here](#) page for help on how to search for answers and how to best ask questions.

Have a Question about a Tableau Product? Choose below



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Tableau Prep



Tableau Cloud


Other Popular Topics



Tableau Public



Server Admin



Calculations



Dates & Times



Actions & Filters



Licensing



Data Connectivity


Developers & APIs


Installations & Upgrades


Exports & Subscriptions


Maps & Geocoding


View all Topics

[Browse All Topics](#)

'Free' 'Courses'

Instructor-Led Training is now on Trailhead Academy

Registration and purchasing for instructor led training, including the Tableau Training Pass, is now in Trailhead Academy. Check out the brand new My Learning Dashboard, Profile and more!

[FIND A CLASS](#)[ACCESS MY TRAININGS](#)

Browse Tableau Classes

INCLUDED IN TABLEAU TRAINING PASS

Desktop I: Fundamentals

Start here to learn core Tableau skills and get a comprehensive introduction to data analysis and visual design.

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Desktop II: Intermediate

Expand your Tableau proficiency and differentiate yourself as a power user.

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Desktop III: Advanced

Make your Tableau charts and dashboards more innovative and able to support complex data analysis.

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Prep I

Learn to use Tableau Prep Builder to prepare your data for analysis.

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Visual Analytics

Discover the science behind the art of visualizing data in this example-rich course.

[FIND A CLASS](#) →

INCLUDED IN TABLEAU TRAINING PASS

Desktop I & II Accelerated

Ramp up on Tableau Desktop with this fast-paced, three-day course that includes curated content from Desktop I & II.

[FIND A CLASS](#) →

Server Administration

Learn best practices around Tableau Server installation and configuration in this foundational course geared towards Tableau

Server Architecture


Master the skills you need to design a successful Tableau Server deployment in this advanced course.

Site Administration

Learn how to successfully manage, monitor, and maintain a Tableau site.

[FIND A CLASS](#) →

'Free' 'Courses'



FEATURED LEARNING PATH

Analyst Learning Path

The Analyst learning path starts your Tableau Desktop journey with the basics and guides you through the topics you need to round out your analyst skill set. Each module ends in an assessment to validate your learning. Pass the assessments and earn up to 5 skill badges.

[LEARN MORE](#) →

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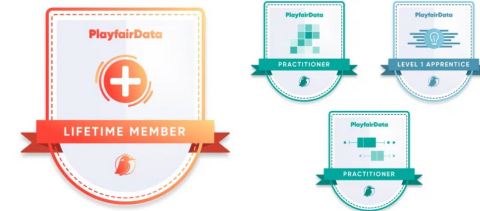
		RECOMMENDED	
		CREATOR	EXPLORER
PREPARATORY COURSES	Data Literacy for All	✓	✓
	Get Started with Tableau	✓	✓
LEARNING PATHS	Author, Community Leader, Executive Sponsor	✓	✓
	Analyst, Consumer, Data Scientist, Data Steward, Designer, Developer, Server Administrator, Server Architect, Site Administrator	✓	
COURSES	Tableau Fundamentals	✓	
	Tableau Intermediate	✓	
	Tableau Advanced	✓	
	Prep Builder	✓	
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Premier Visual Analytics eLearning

Playfair+ is a premier resource for learning Tableau, data visualization, data analytics, and analytics strategy.

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- ✓ Bookmarked lessons
- ✓ Personal account dashboard

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Annual

\$200 /yr

- ✓ Billed annually (cancel anytime)
- ✓ Everything in Monthly **plus...**
- ✓ Live training event discounts
- ✓ Live quarterly webinars
- ✓ Digital Credly badges

[Join Now](#)

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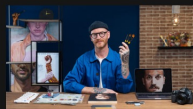
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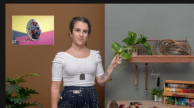
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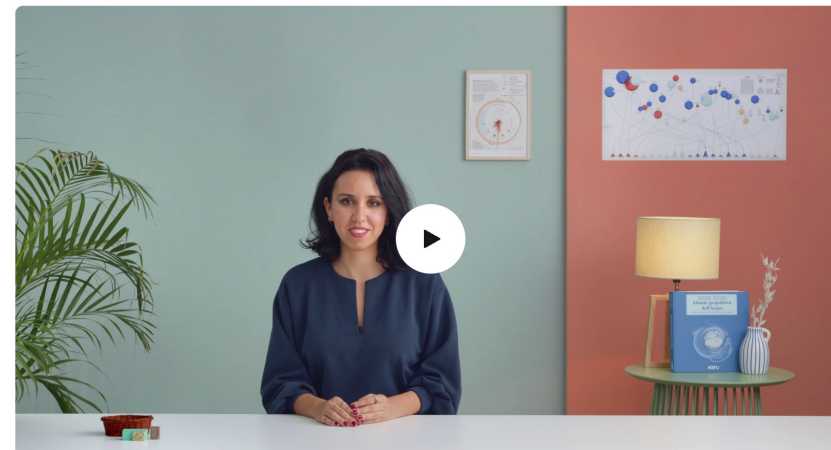
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Hello! Welcome to my course! In this unit, I will introduce myself and I will tell you how I got into the data visualization field. I will also share with you the influences that had an impact in my approach to design.

About Me — 3 minutes, 28 seconds



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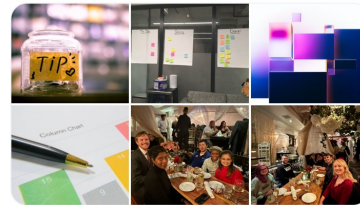
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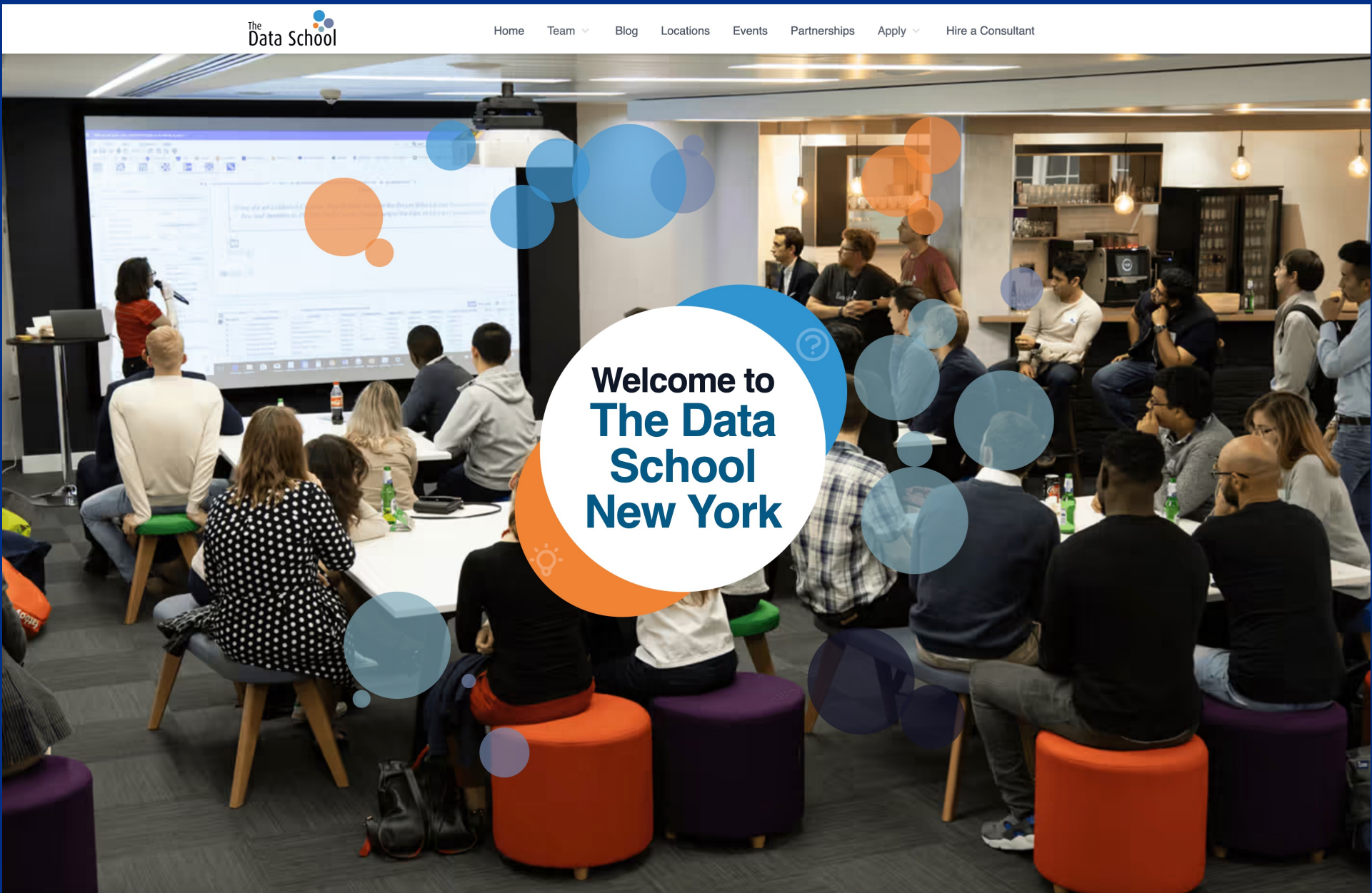
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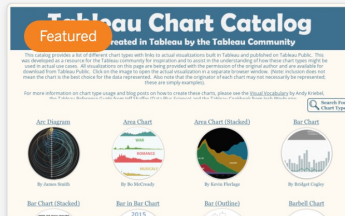
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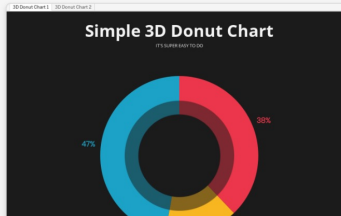
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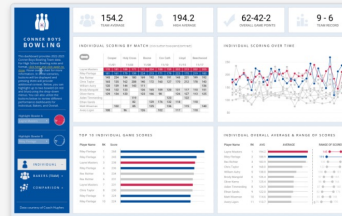
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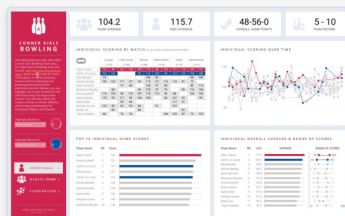
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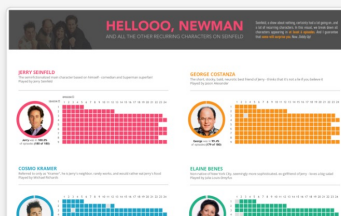
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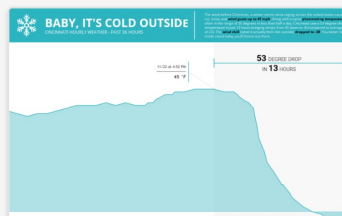
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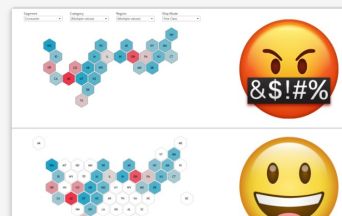
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



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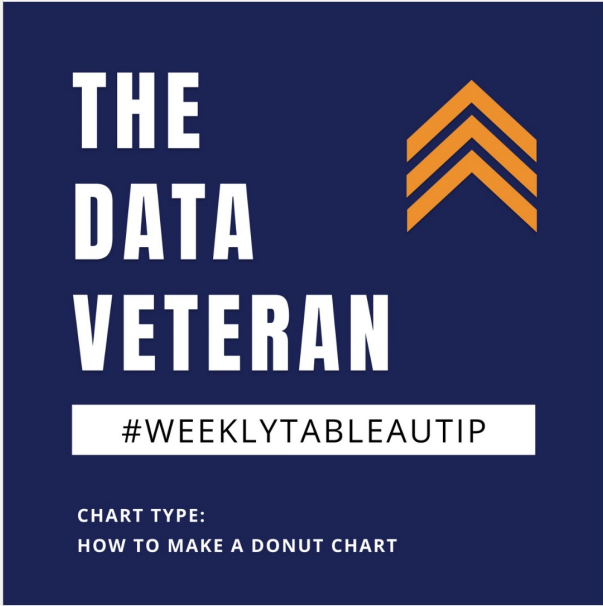



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Hope you enjoy and if there is any content you want me to focus on let me know in the comments.








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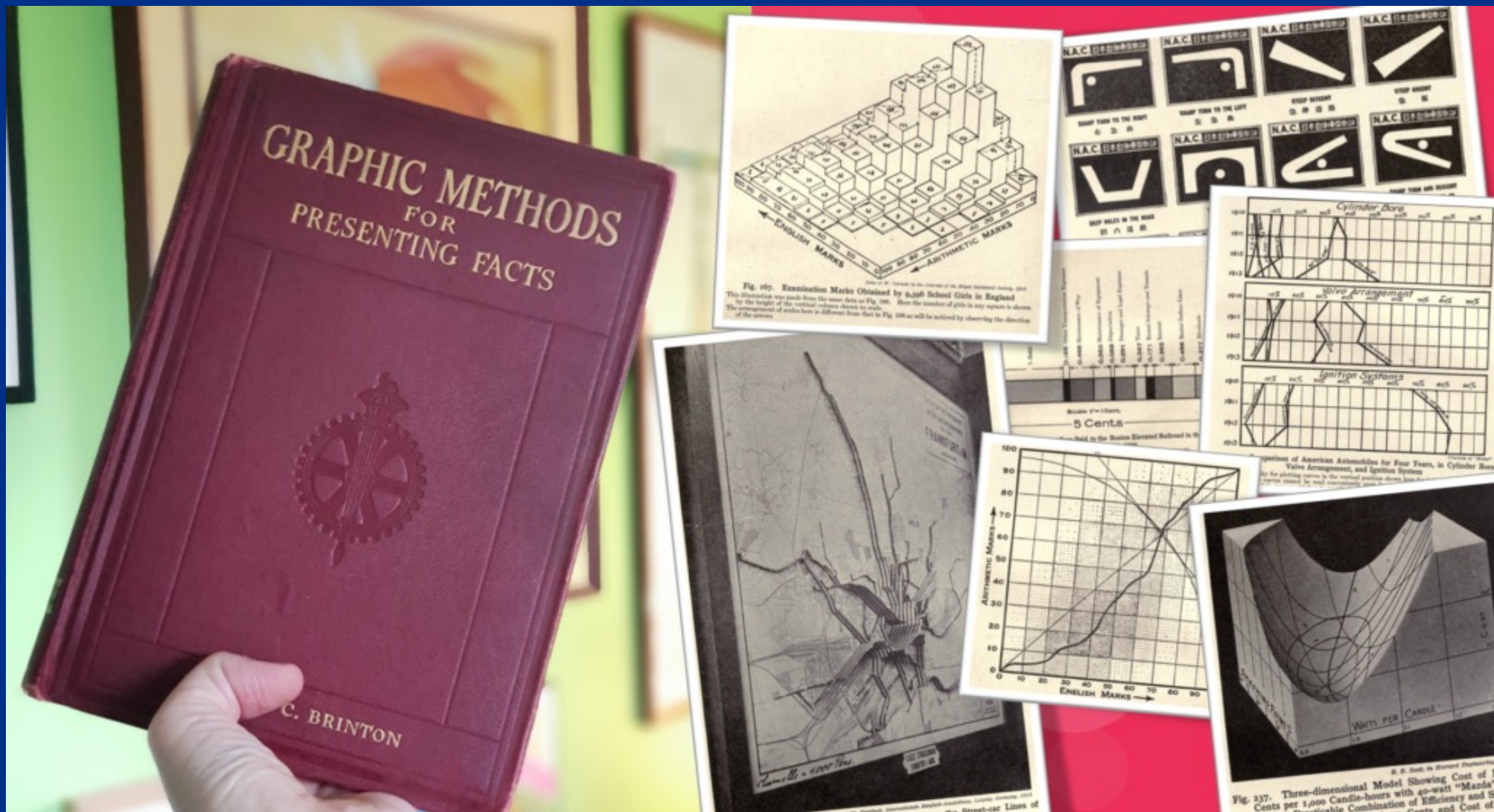
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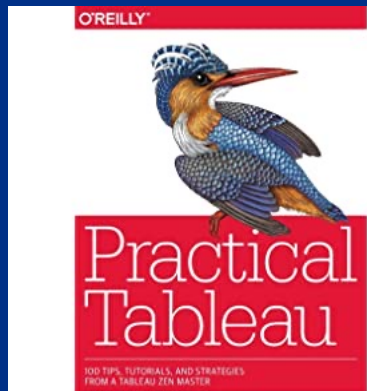
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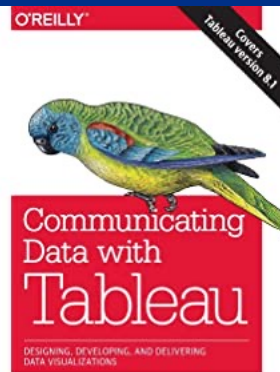
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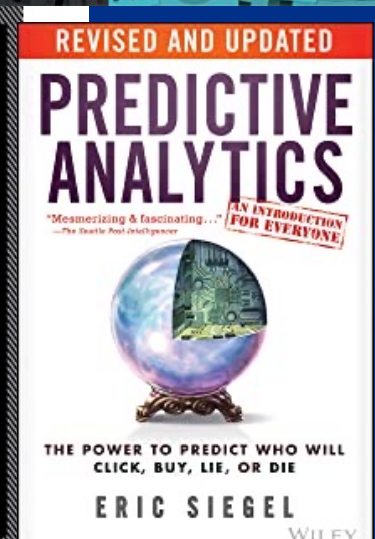
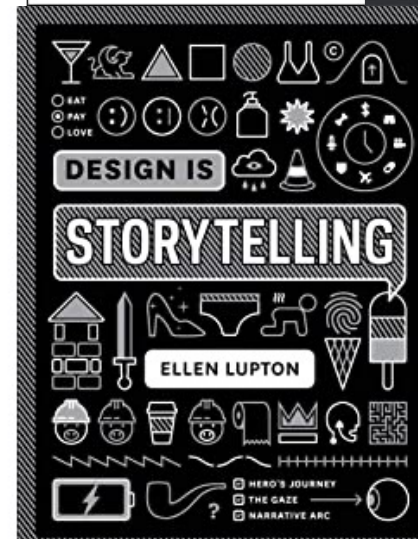
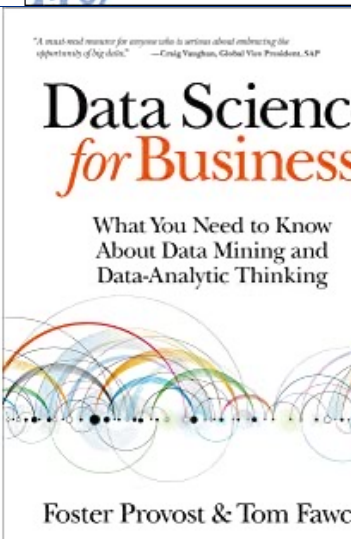
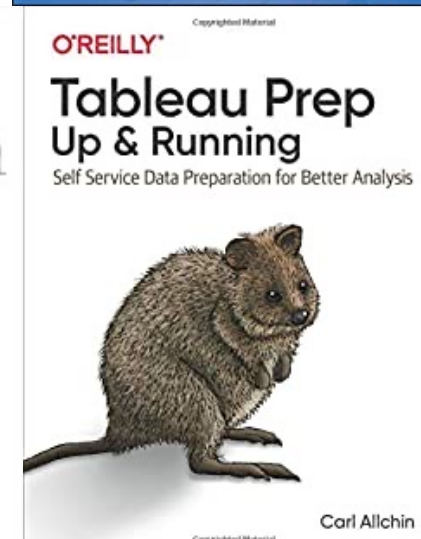
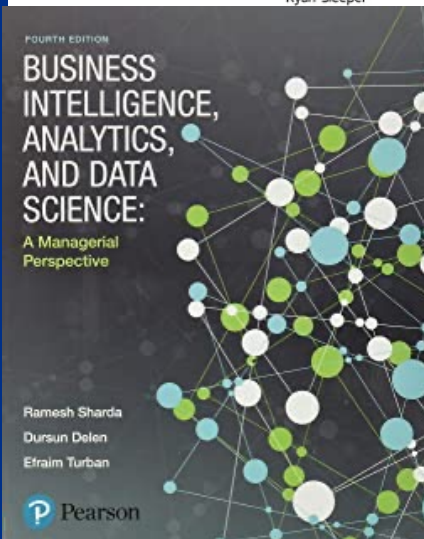
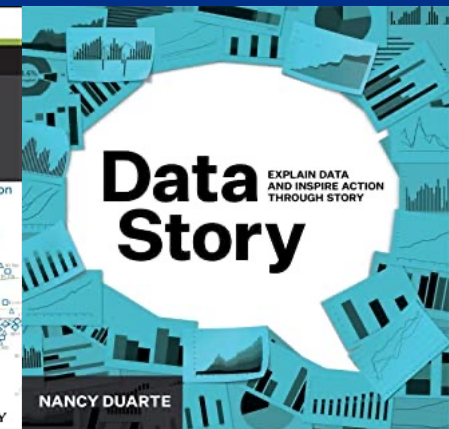
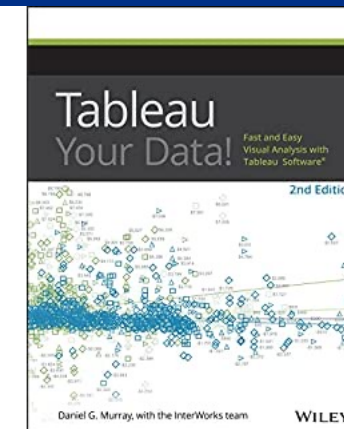
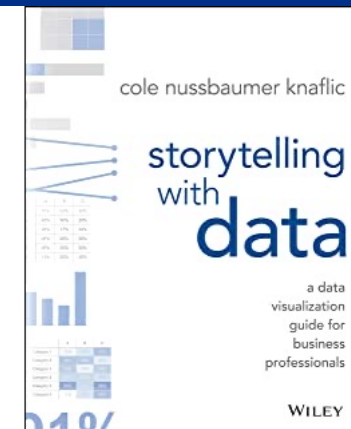
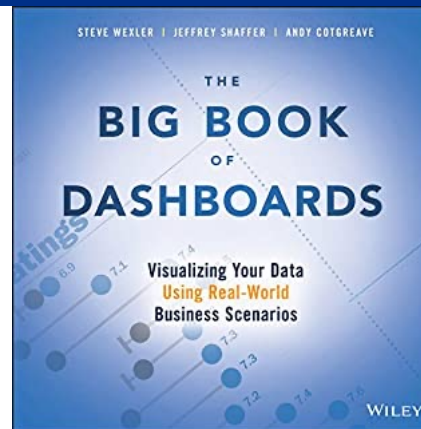
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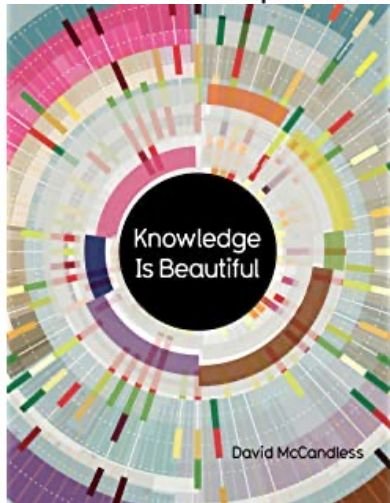
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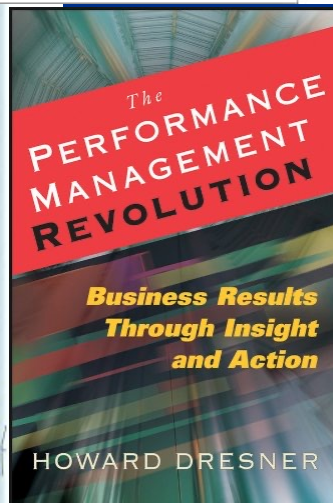
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5 #DuboisChallenge		Diversity History	https://nightingaledvs.com/the-dubois-challenge/
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7 Games Night Viz		Video games	https://www.tableau.com/blog/games-night-viz
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9 Iron Viz		Varies	https://www.tableau.com/community/iron-viz
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11 Map Prompt Monday		Mapping	https://github.com/MapPromptMonday/MapPromptMonday
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