



Online kursus – k902010

Data Science

Data Science

<https://www.teknologisk.dk/kurser/data-science/k90210?cms.query=data+science>

Title **Estimated duration (hrs)**

Data Gathering	1,23
Data Filtering	1,03
Data Transformation	0,8
Data Exploration	0,98
Data Integration	0,72
Data Analysis Concepts	1,67
Data Communication and Visualization	1,33
Streaming Data Architectures: An Introduction to Streaming Data	0,85
Streaming Data Architectures: Processing Streaming Data	0,88
Data Access & Governance Policies: Data Access Oversight and IAM	0,98
Data Access & Governance Policies: Data Classification, Encryption, and Monitoring	1,32
R for Data Science: Data Structures	0,87
R for Data Science: Importing and Exporting Data	0,57
R for Data Science: Data Exploration	0,68
R for Data Science: Regression Methods	0,62
R for Data Science: Classification & Clustering	0,65
R for Data Science: Data Visualization	0,55
Tableau Desktop: Real Time Dashboards	1,13
Getting Started with Hive: Introduction	0,93
Getting Started with Hive: Loading and Querying Data	1,33
Getting Started with Hive: Viewing and Querying Complex Data	1,23
Getting Started with Hive: Optimizing Query Executions	0,72
Getting Started with Hive: Optimizing Query Executions with Partitioning	1,02

Getting Started with Hive: Bucketing & Window Functions	1,07
Data Science Statistics: Simple Descriptive Statistics	1,18
Data Science Statistics: Common Approaches to Sampling Data	0,78
Data Science Statistics: Inferential Statistics	1,03
Data Science Statistics: Using Python to Compute & Visualize Statistics	1,27
Data Science Statistics: Applied Inferential Statistics	1,32
MongoDB for Data Wrangling: Querying	1,13
MongoDB for Data Wrangling: Aggregation	0,85
Powering Recommendation Engines: Recommendation Engines	1,08
Creating Data APIs Using Node.js	1,52
Deploying Data Tools: Data Science Tools	0,8
Final Exam: Data Ops	0,02
Trifacta for Data Wrangling: Wrangling Data	0,83
Balancing the Four Vs of Data: The Four Vs of Data	0,67
Final Exam: Data Scientist	0,02
Data Wrangler 4: Cleaning Data in R	1,05
Data Research Techniques	0,55
Data Research Exploration Techniques	0,83
Data Research Statistical Approaches	0,72
Raw Data to Insights: Data Ingestion & Statistical Analysis	0,9

Raw Data to Insights: Data Management & Decision Making	0,95
Data Driven Organizations	1,25
Getting Started with Hadoop: Fundamentals & MapReduce	1,07
Getting Started with Hadoop: Developing a Basic MapReduce Application	1,23
Getting Started with Hadoop: Filtering Data Using MapReduce	0,98
Getting Started with Hadoop: MapReduce Applications With Combiners	1,4
Getting Started with Hadoop: Advanced Operations Using MapReduce	0,82
Data Engineering Fundamentals	0,77
Data Sources: Integration	0,67
Data Sources: Implementing Edge on the Cloud	0,52
Data Wrangling with Pandas: Working with Series & DataFrames	1,18
Data Wrangling with Pandas: Visualizations and Time-Series Data	1,48
Data Wrangling with Pandas: Advanced Features	1,2
Final Exam: Data Wrangler	0,02
Data Lake: Framework & Design Implementation	0,57
Data Lake: Architectures & Data Management Principles	0,58
Data Architecture - Deep Dive: Design & Implementation	0,6
Data Architecture - Deep Dive: Microservices & Serverless Computing	0,43
Building Data Pipelines	1,17
Data Rollbacks: Transaction Rollbacks & Their Impact	0,6
Data Rollbacks: Transaction Management & Rollbacks in NoSQL	0,48

Data Tools: Technology Landscape & Tools for Data Management	0,45
Data Tools: Machine Learning & Deep Learning in the Cloud	0,38
Data Silos, Lakes, & Streams: Introduction	1,33
Data Silos, Lakes, and Streams: Data Lakes on AWS	1,17
Data Silos, Lakes, & Streams: Sources, Visualizations, & ETL Operations	1,48
Delivering Dashboards: Management Patterns	0,57
Delivering Dashboards: Exploration & Analytics	0,52
Data Insights, Anomalies, & Verification: Handling Anomalies	0,77
Data Insights, Anomalies, & Verification: Machine Learning & Visualization Tools	0,85
Harnessing Data Volume & Velocity: Big Data to Smart Data	0,65
Scalable Data Architectures: Introduction	0,88
Scalable Data Architectures: Introduction to Amazon Redshift	0,92
Scalable Data Architectures: Working with Amazon Redshift & QuickSight	1,3
Securing Big Data Streams	1,05
Cloud Data Architecture: DevOps & Containerization	0,75
Cloud Data Architecture: Data Management & Adoption Frameworks	1,08
Data Pipeline: Process Implementation Using Tableau & AWS	0,65
Data Pipeline: Using Frameworks for Advanced Data Management	0,55
Reinforcement Learning: Essentials	0,5
Reinforcement Learning: Tools & Frameworks	0,58
Advanced Visualizations & Dashboards: Visualization Using Python	0,62

Advanced Visualizations & Dashboards: Visualization Using R	0,58
Storytelling with Data: Introduction	0,78
Storytelling with Data: Tableau & PowerBI	0,95
DevOps for Data Scientists: Data DevOps Concepts	0,75
DevOps for Data Scientists: Data Science DevOps	1,22
DevOps for Data Scientists: Deploying Data DevOps	0,57
DevOps for Data Scientists: Containers for Data Science	0,98
Complete Guide to Excel 365: Getting Started	1,23
Complete Guide to Excel 365: Working With Charts & Sparklines	1,28
Complete Guide to Excel 365: Using Formatting, Styles, & Themes	1,3
Complete Guide to Excel 365: Validating, Cleaning, & Performing Lookups on Data	1,5
Complete Guide to Excel 365: What-If Analysis, Solver, & Analysis ToolPak	1,6
Complete Guide to Excel 365: Pivot, PowerPivot, & Financial Modeling	1,25
Complete Guide to Excel 365: Linking, Printing, & Protecting Workbooks	1,35
Google Chart Tools: Basic Charts	1,6
Google Chart Tools: Interacting with Charts	0,82
Google Chart Tools: Advanced Visuals with Charts	0,97
Final Exam: Systems Analyst	0,02
Business Reporting: Getting Started with Power BI Desktop for Data Analysis	1,52
Business Reporting: Visualizing & Merging Data in Power BI	1,4
Business Reporting: Creating & Formatting Matrix Visualizations in Power BI	1,93
Business Reporting: Leveraging Treemaps, Matrices, & Slicers in Power BI	1,12
Tableau for Data Visualization: Introduction	1,28
Tableau for Data Visualization: Exploring Visualizations & Data Formats	1,5
Tableau for Data Visualization: Advanced Features	1,07

Plotly for Data Visualization: An Introduction to Plotly Chart Studio	1,27
Plotly for Data Visualization: Exploring Chart Studio Visualizations	1,27
Plotly for Data Visualization: Advanced Charts & Features in Chart Studio	1,73
Analyzing Data Using Python: Importing, Exporting, & Analyzing Data With Pandas	1,38
Analyzing Data Using Python: Analyzing Data Using Python: Filtering Data in Pandas	1,43
Analyzing Data Using Python: Cleaning & Analyzing Data in Pandas	1,88
Analyzing Data Using Python: Data Analytics Using Pandas	1,25
Traditional Data Architectures: Relational Databases	0,58
Traditional Data Architectures: Data Warehousing and ETL Systems	0,67
Data Mining and Decision Making: Modern Data Science Lifecycle	0,9
Data Mining and Decision Making: Data Preparation & Predictive Analytics	0,68
Data Mining and Decision Making: Data Mining for Answering Business Questions	1,05
Data Mining and Decision Making: Predictive Analytics for Business Strategies	0,95
Final Exam: Raw Data To Insights	0,18
New Age Data Infrastructures: Factors Driving Data Infrastructures	0,63
Statistical & Hypothesis Tests: Getting Started with Hypothesis Testing	0,93
Statistical & Hypothesis Tests: Using the One-sample T-test	1,7
Statistical & Hypothesis Tests: Performing Two-sample T-tests & Paired T-tests	2,2
Statistical & Hypothesis Tests: Using Non-parametric Tests & ANOVA Analysis	2,3
Probability Distributions: Getting Started with Probability Distributions	1,52
Probability Distributions: Uniform, Binomial, & Poisson Distributions	1,55
Probability Distributions: Understanding Normal Distributions	1,12
Final Exam: Go Foundation for Beginners	0,18

Data Analysis Application	1,42
Hadoop HDFS: Introduction	1,25
Hadoop HDFS: Introduction to the Shell	0,88
Hadoop HDFS: Working with Files	0,8
Hadoop HDFS: File Permissions	0,82
Data Architecture Primer	1,07
Final Exam: Data Analyst	0,02
Implementing Governance Strategies	0,77
Compliance Issues and Strategies: Data Compliance	0,73
Final Exam: Advanced Programming in Go	0,18
Final Exam: Web Programming in Go	0,18
Core Statistical Concepts: An Overview of Statistics & Sampling	0,83
Core Statistical Concepts: Statistics & Sampling with Python	1,67
Final Exam: Statistics and Probability	0,02
Snowpark ML APIs and the Model Registry	1,33
Snowflake Feature Store and Datasets	1,97
Using Streamlit with Snowflake	1,05
Anomaly Detection with Snowflake ML Functions	1,6
Snowflake Forecasting Models and the AI & ML Studio	1,47
Snowflake Cortex for LLMs, RAG, and Search	1,6