

# DA-100T00-A: Analyzing Data with Power BI



**Kestus:** 32 akadeemilist tundi

Vana-Lõuna 39/1, Tallinn

[Vaata kõiki toimumiskuupäevi](#)

The main purpose of this course is to teach the various methods and best practices that are in line with business and technical requirements for modeling, visualizing, and analyzing data with Power BI.

**During this four-days course students will also learn** how to access and process data from a range of data sources including both relational and non-relational data and explore how to implement proper security standards and policies across the Power BI spectrum including datasets and groups. In addition the students will learn how to manage and deploy reports and dashboards for sharing and content distribution. Finally, they will study how to build paginated reports within the Power BI service and publish them to a workspace for inclusion within Power BI.

**Target audience:**

The audience for this course are data professionals and business intelligence professionals who want to learn how to accurately perform data analysis using Power BI. This course is also targeted toward those individuals who develop reports that visualize data from the data platform technologies that exist on both in the cloud and on-premises.

**Job role:** Data Analyst

**Preparation for exam:** **DA-100**

**Features:** none

**After completing this course, students will be able to:**

- Ingest, clean, and transform data
- Model data for performance and scalability
- Design and create reports for data analysis
- Apply and perform advanced report analytics
- Manage and share report assets
- Create paginated reports in Power BI

**Prerequisites to the course (recommended):**

Successful Data Analysts start this role with experience of working with data in the cloud.

Specifically:

- Understanding core data concepts.
- Knowledge of working with relational data in the cloud.
- Knowledge of working with non-relational data in the cloud.
- Knowledge of data analysis and visualization concepts.

You can gain the prerequisites and a better understanding of working with data in Azure by completing [Microsoft Azure Data Fundamentals](#) before taking this course.

**Training Principles:**

**The training is held in Estonian!**

Each learning module is supported by practical exercises with hands-on laboratories.

The prerequisite for issuing the certificate is full participation in training.

Length: 32 academic hours

**Access to the standalone exercise environment Microsoft Labs Online (MLO) for an additional fee.**

**Choose the Microsoft exam that suits you and buy it through IT Koolitus 10% cheaper.**

**Koolituse läbiviimise põhimõtted:**

**Koolitus toimub eesti keeles!**

Koolituse osad on toetatud praktiliste harjutustega õpilaborites.

Tunnistuse väljastamise eelduseks on koolitusel osalemine terves mahus.

Maht: 32 akadeemilist tundi

**Lisatasu eest ligipääs iseseisvale harjutuskeskkonnale Microsoft Labs Online (MLO).**

**Vali endale sobiv Microsofti eksam ja osta see läbi IT Koolituse 10% soodsamalt.**

**Continuing Education Curriculum Group:** 0688 Information and Communication Technology Interdisciplinary curriculum group

**The training topics and description:**

### **Module 1: Get Started with Microsoft Data Analytics**

This module explores the different roles in the data space, outlines the important roles and responsibilities of a Data Analysts, and then explores the landscape of the Power BI portfolio.

### **Module 2: Prepare Data in Power BI**

This module explores identifying and retrieving data from various data sources. You will also learn the options for connectivity and data storage, and understand the difference and performance implications of connecting directly to data vs. importing it.

### **Module 3: Clean, Transform, and Load Data in Power BI**

This module teaches you the process of profiling and understanding the condition of the data. They will learn how to identify anomalies, look at the size and shape of their data, and perform the proper data cleaning and transforming steps to prepare the data for loading into the model.

### **Module 4: Design a Data Model in Power BI**

This module teaches the fundamental concepts of designing and developing a data model for proper performance and scalability. This module will also help you understand and tackle many of the common data modeling issues, including relationships, security, and performance.

### **Module 5: Create Model Calculations using DAX in Power BI**

This module introduces you to the world of DAX and its true power for enhancing a model. You will learn about aggregations and the concepts of Measures, calculated columns and tables, and Time Intelligence functions to solve calculation and data analysis problems.

### **Module 6: Optimize Model Performance**

In this module you are introduced to steps, processes, concepts, and data modeling best practices necessary to optimize a data model for enterprise-level performance.

### **Module 7: Create Reports**

This module introduces you to the fundamental concepts and principles of designing and building a report, including selecting the correct visuals, designing a page layout, and applying basic but critical functionality. The important topic of designing for accessibility is also covered.

### **Module 8: Create Dashboards**

In this module you will learn how to tell a compelling story through the use of dashboards and the different navigation tools available to provide navigation. You will be introduced to features and functionality and how to enhance dashboards for usability and insights.

### **Module 9: Create Paginated Reports in Power BI**

This module will teach you about paginated reports, including what they are how they fit into Power BI. You will then learn how to build and publish a report.

### **Module 10: Perform Advanced Analytics**

This module helps you apply additional features to enhance the report for analytical insights in the data, equipping you with the steps to use the report for actual data analysis. You will also perform advanced analytics using AI visuals on the report for even deeper and meaningful data insights.

### **Module 11: Create and Manage Workspaces**

This module will introduce you to Workspaces, including how to create and manage them. You will also learn how to share content, including reports and dashboards, and then learn how to distribute an App.

### **Module 12: Manage Datasets in Power BI**

In this module you will learn the concepts of managing Power BI assets, including datasets and workspaces. You will also publish datasets to the Power BI service, then refresh and secure them.

### **Module 13: Row-level security**

This module teaches you the steps for implementing and configuring security in Power BI to secure Power BI assets.

**More detailed information about the training/ TÄPSEMAT INFOT KOOLITUSE KOHTA SAAD:**

<https://docs.microsoft.com/en-us/learn/certifications/courses/da-100t00>

**The training price also includes:**

- study materials;
- a trainer's consultation on the topics learned, by e-mail after the training;
- certificate.

**As an added value, we offer:**

- free parking;
- lunch;
- hot drinks with cookies;
- fresh fruits.

**You can participate in the training also with the Unemployment Insurance Fund training card.**

**See you at the training!**

## Daily schedule

09:15 - 09:30 ○ Gathering

The training takes place at Vana-Lõuna 39/1, Tallinn, IT Training premises. You can park in the Europark car park at Veerenni 36, EP63. Parking is free by registering at the IT Training on the first floor.

09:30 - 11:00 ○ I module

11:00 - 11:15 ○ **Coffee break**

11:15 - 12:45 ○ II module

12:45 - 13:30 ○ **Lunch**

13:30 - 15:00 ○ III module

15:00 - 15:15 ○ **Coffee break**

15:15 - 16:45 ○ IV module

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## LISAINFO

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### **Osalemise tingimused**

Registreerudes e-poe, e-kirja või telefoni teel, saadame Teile arve ja täpsema info osalemise kohta. Üksteist päeva enne koolitust saadame Teile e-kirjaga meenutuse osalemise infoga.

Koolitusel osalemine on nimeline, kuid saate osalejat tasuta muuta kuni koolituse alguseni.

Koolituse eest tasumine toimub arvel viidatud arveldusarvele. Arve saadetakse maksja aadressile e-postiga. Arve tuleb tasuda enne koolituse algust arvel märgitud maksetähtajaks.

Kui Te ei saa mingil põhjusel osaleda, palun andke sellest kindlasti teada e-posti aadressil [info@koolitus.ee](mailto:info@koolitus.ee) või telefonil 618 1727. Kui teatate koolitusel mitteosalemisest kuni 10 tööpäeva enne algust, pakume mõnd muud samaväärset koolitust või tagastame 100% tasutud koolituse maksumusest. Mitteosalemisest vähemalt 5 tööpäeva varem teatades, tagastame 50%. Muul juhul kuulub arve tasumisele. Raha tagastame ette antud summas juhul, kui pole tehtud koolituse korraldamisega seotud kulutusi (ostetud õppematerjale jms). Koolitusele mitteilmumisel, sellest mitteteatamisel või koolituse poolelijätmisel õppetasu ei tagastata.

IT Koolitusel on õigus koolitusgrupi mitte täitumisel koolituse toimumine edasi lükata või koolitus ära jätta. Koolitusele registreerunuid teavitatakse kursuse edasi lükkumisest või ära jätmisest telefoni või e-posti teel. Koolituse ära jäämisel korraldajatest tulenevatel põhjustel makstakse õppetasu tagasi. .

IT Koolitus on Eesti Töötukassa koolituskaardi koostööpartner. Tutvuge koolituskaardi infoga [SIIN](#). Täpsema info saamiseks võtke meiega ühendust telefonil 618 1727 või [info@koolitus.ee](mailto:info@koolitus.ee).

## **COVID-19**

### **Klassikoolitusel osalemise tingimused**

- Klassikoolitusel osalemiseks on vajalik esitada Covid-19 tõend kas digitaalsel kujul või väljatrükina paberil.
- Tõendit ja isikusamasust kontrollitakse enne koolitusklassi sisenemist.
- Covid 19 tõend on [digilugu.ee](http://digilugu.ee) kodulehel saadaval vaksineeritud või COVID-19 haiguse läbi põdenud inimestel.
  
- Klassikoolitusel on **maski kandmine kohustuslik**.