

POWER BI Course for Report Creators



What areas of work with Power BI we address?



Power BI overview



Data preparation



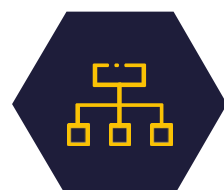
Data modeling



Data exploration



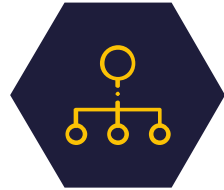
Data visualization



Introduction DAX



Power BI mobile reports



Navigation in reports



Good and bad practices



Course Agenda - Power BI for Report Creators

1. Introduction

- Course plan
- Final effect
- Requirements
- How to study
- Homework

2. Power BI overview

- Introduction to Business Intelligence
- Power BI Platform
- Power BI Desktop
- Power BI Services
- Power BI as a part of Microsoft Cloud Services
- Power BI Report Server
- Common mistakes
- Homework
- External tools for Power BI Desktop
- Power BI Premium per User

3. Data preparation

- Introduction to Power Query
- Working with Data Sources
- Common data transformations
- Profiling and cleaning data
- Text column transformations
- Number column transformations
- Data & Time transformations
- Appending Queries
- Merging Queries
- Grouping and aggregating data
- Advanced table transformations
- Common mistakes
- Homework
- Additional data loading options

4. Data modeling

- Introduction to data modeling
- Difference between Normalization and Denormalization
- Modeling patterns
- Creating Tables
- Introduction to relations
- Relations in practice
- Time dimension
- Calculated columns
- Common mistakes
- Homework

5. Introduction DAX

- DAX fundamentals
- Context in DAX formulas
- Calculated measures and columns
- Aggregating and interacting formulas
- CALCULATE function
- Working with context queries
- Business calculations in DAX
- Time Intelligence
- Context transition - theory
- Context transition - practice
- Common mistakes
- Homework
- Calculations group

Course Agenda - Power BI for Report Creators

6. Data exploration

- Report building
- Data filtering
- Interactions within report
- Hierarchies
- Parameter What-IF
- AI visualizations
- Common mistakes
- Homework

7. Data visualization

- Power BI visual configuration
- Executive summary scenario: numbers presentation
- Executive summary scenario: category comparison
- Executive summary scenario: time changes
- Executive summary scenario: elements of the unit
- Product category growth scenario: Correlations and relationships
- Executive summary scenario: Tables
- Building a functional dashboard
- Good practices in data visualization (and common mistakes)
- Homework
- Additional options of report analytics

8. Navigation in reports

- Interaction between reports
- Buttons
- Working with bookmarks
- Drill through
- Navigation between reports
- Common mistakes
- Homework
- Power BI paginated reports

9. Power BI mobile reports

- Designing mobile reports in Power BI Desktop
- Power BI mobile apps
- Common mistakes
- Homework

10. Good & bad practices

- Good practices in data preparation and modeling
- Good practices in data visualization
- Good practices in working with the Power BI service
- Homework