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| **BEM content**  **(for all partners)** | Title/name of the credential | Advanced Data Analysis with Power BI (Business Intelligence) | | | |
| Function of the micro-credentials / purpose | The focus of this microcredential is to equip learners with advanced data analysis techniques in Power BI, including DAX (Data Analysis Expressions), advanced visualisations, and the use of custom visuals. With this course, participants will learn how to model complex data, create dynamic reports, and implement advanced filtering and analytics features. | | | |
| Possible target groups | Data professionals aiming to expand their Power BI knowledge;  Business Intelligence Analysts;  Managers focusing on advanced report and analysis. | | | |
| Branch/sector of application | Business Intelligence  Information Technologies  Data Analysis | | | |
| Fields of application / work environment | Advanced data analytics teams  IT and data management teams  Business strategy teams focused on data-driven decisions | | | |
| Typical work/professional tasks | Conducting advanced data modelling and transformations in Power BI;  Using DAX for complex calculations and dynamic reporting;  Producing advanced and interactive visualisations.  Implementing custom visuals and advanced analytics features;  Publishing reports and enabling real time data integration within Power BI dashboards using daily data refreshes. | | | |
| Learning outcomes (personal and job related) | Knowledge | Skills | | Competences |
| **Knowledge:**  In-depth understanding of advanced Power BI capabilities, including DAX and custom visuals;  Knowledge of data modelling and complex data transformations;  Understanding advanced reporting and Power BI dashboard functionalities.  **Skills:**  Ability to:   * Design advanced visualisations and use DAX for complex data calculations; * Perform data modelling techniques, including managing relationships between tables.; * Implement advanced filtering options and custom visuals for enhanced analysis; * Publish reports and enable real time data-integration.   *Learning outcomes should be formulated in commonly accepted way, see the link:*[*https://eurspace.eu/ecvet/pedagogicalkit/framework-for-defining-learning-outcomes-knowledge-skills-competence/*](https://eurspace.eu/ecvet/pedagogicalkit/framework-for-defining-learning-outcomes-knowledge-skills-competence/)  *Can be used the formulation format of National Qualification Framework descriptors, adjusting and applying that format for relevant job.* | | | |
| Validation | criteria | | procedures | |
| Validation will be conducted through a practical assignment.  **Procedure:**  Students will need to complete a final project where they will have to apply advanced analysis techniques, create a complex data model, and use custom visuals to generate insights from large datasets.      **Criteria:**  Successful creation of a dynamic Power BI dashboard with advanced visualisations, DAX expressions, and interactive features. | | | |
| Recognised/accepted (documented by MoU) | Name of companies  Target Group | | | |
| Provider(s) | Private EduTech companies, Vocational-Educational schools | | | |
| **Additional information**  **(if needed)** | Entry level / prerequisites | Successfully completed 1st micro credentials on Power BI Fundamentals  20 hours (10 theoretical + 1o practical) | | | |
| Possible duration (recommendation) |
| **Specific content (national)**  **(if needed)** | Position in the chain of educational programmes | 2nd out of 2 micro credentials on Power BI | | | |
| Reference to NQF |
| Credits |