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Python for Data Science

Issued by [IBM](#)

The badge earner is able to write their own Python scripts and perform basic hands-on data analysis using IBM's Jupyter-based lab environment.

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Skills

Data Science

Pandas

PWID-B0367400

Python

Python Programming

Earning Criteria

- Successful completion of the course "Python for Data Science".

Occupations

Data Scientists

Develop and implement a set of techniques or analytics applications to transform raw data into meaningful information using data-oriented programming languages and visualization software. Apply data mining, data modeling, natural language processing, and machine learning to extract and analyze information from large structured and unstructured datasets. Visualize, interpret, and report data findings. May create dynamic data reports.

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Machine Learning Researchers

Conceive, research, and prototype new machine learning and high-performance computing techniques. Develop relevant software and hardware technologies with the goal of converting these into products. May also participate in the development of intellectual property.

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Data Science Managers

Oversee the building and enhancement of artificial intelligence (AI) and machine learning products and analytical tools and services. Translate data-driven

initiatives and potential ideas into fully developed data products and services. Create, manage, communicate, and present data analytics strategy, vision, and roadmaps.

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Data Engineers

Develop, construct, test and maintain architectures, such as databases and large-scale processing systems.

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Database Architects

Design strategies for enterprise databases, data warehouse systems, and multidimensional networks. Set standards for database operations, programming, query processes, and security. Model, design, and construct large relational databases or data warehouses. Create and optimize data models for warehouse infrastructure and workflow. Integrate new systems with existing warehouse structure and refine system performance and functionality.

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