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CERTIFICATE OF PARTICIPATION

INTRODUCTION TO PYTHON FOR DATA SCIENCE

JAN • 26 • 2024

Micha Bender • Johannes Chen • Dr. Benjamin M. Abdel-Karim • Tino Cestonaro

ACQUIRED SKILLS

The Participant Hafeezullah Haidari

showed distinctive performance, while

gaining the following skills:

PYTHON BASIC SKILLS

- **VARIABLES AND DATA TYPES**
- **DATA STRUCTURES**
- **CONTROL STRUCTURES**
- **LOOPS**
- **FUNCTIONS**

LIBRARY KNOWLEDGE/ SKILLS

- **STANDARD LIBRARIES (E.G., OS, CSV, RE)**
- **DATA VISUALIZATION (SEABORN, MATPLOTLIB, PLOTLY)**
- **DATA WRANGLING (PANDAS, NUMPY)**

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Prof. Dr. Oliver Hinz
Prof. Dr. Peter Gomber
Heads of the efl

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Grading scheme: pass • good performance • distinctive performance