



# Certificate

No. 41965/577/SNBR/BOOTCAMP/III/2024

This is to certify that

**Muhammad Iqbal Yusuf**

has mastered

**Python - Data Science**

on February 19th - March 15th, 2024 provided by Sanbercode.

Bandung, March 2024

Sanbercode CEO



A stylized, handwritten signature in blue ink, written over the Sanbercode logo.

Khairun Rizki

# Skill Report

**Name** : Muhammad Iqbal Yusuf

**Course** : Python - Data Science

## Technical Skills

Topic	Sub Topic
Basic Python & Statistics	<ul style="list-style-type: none"><li>• Python List, Dictionary</li><li>• Getting Help, Method, Function</li><li>• Logic Control Flow and Loop</li><li>• Descriptive Statistics</li></ul>
Pandas	<ul style="list-style-type: none"><li>• Series &amp; DataFrame</li><li>• Access / Indexing Data</li><li>• Data Transformation</li><li>• Data Reshaping</li><li>• Data Merging</li></ul>
Visualization	<ul style="list-style-type: none"><li>• Matplotlib</li><li>• Custom Visualization</li><li>• Multiple Plots</li><li>• Quantitative Comparisons</li><li>• Seaborn</li></ul>
Data analysis & Machine Learning	<ul style="list-style-type: none"><li>• Exploratory Data Analysis</li><li>• Scikit-Learn (Unsupervised Learning)</li><li>• Model Performance Evaluation</li></ul>