

The Data Science Masterclass Program

The road towards becoming a data scientist

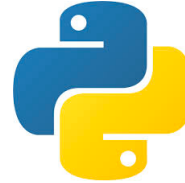
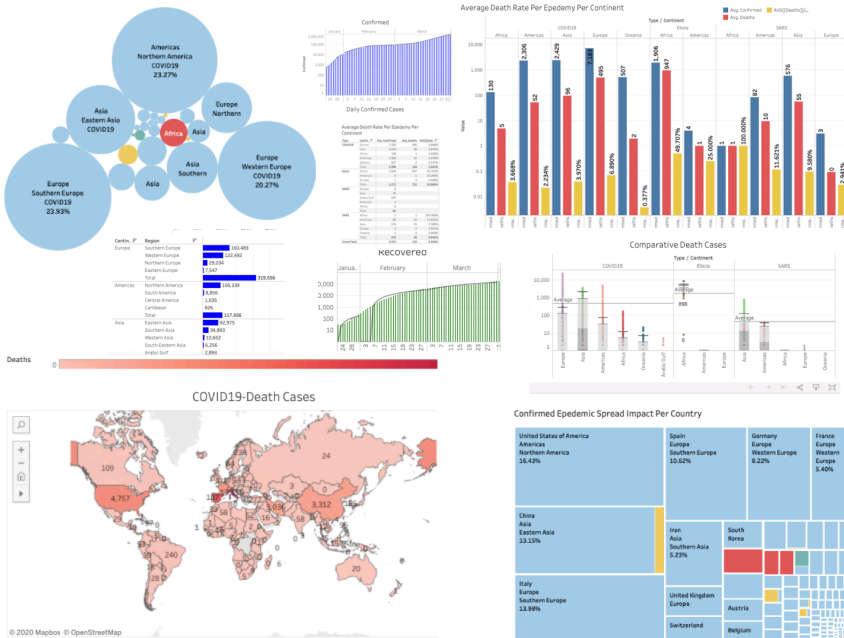
جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY



<http://learn.riotu-lab.org/data-science/>



Robotics &
Internet-of-Things



Data Science with Tableau

The **Data Science Masterclass Program** is designed to provide you with a comprehensive introduction for either beginner with basic programming background or more advanced developers who would like to become experts in scientific computing and data analytics.

At the end of this training program, you will be able to lead and manage data science and deep learning projects and acquire a master level of all data science libraries highly demanded in the industrial sector.

The participant will have a capstone project where he applies all the concepts and skills he learned to develop a product on real-world use cases.

The training program is delivered by several talented and expert instructors.

Certificate of completion will be granted to participants

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Program Roadmap

► Course 1: Data Science Foundation

- Introduction to Python
- Data Structures (Numpy, Pandas)
- Data Visualization (Matplotlib, Seaborn)
- Tableau for Data Science
- Capstone Project

► Course 2: Machine Learning

- Introduction to machine learning
- Machine Learning Python Libraries (SciPy, scikit-learn)
- Regressions
- Clustering
- Classification
- Capstone project

► Course 3: Deep Learning

- Introduction to Neural Networks
- Develop a neural network with Tensorflow and Keras
- Classification with Keras
- Object Detection (Yolo, TF Object Detection API)
- Capstone project