SOUTH AFRICAN PYTHON STUDY GROUP eBOOK

COURSE OUTLINE

PYTHON, PREDICTIVE MODELING & LINUX SYSADMIN FOR BEGINNERS

PRACTICALS 2023

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Topic 1 Free Alternatives

DATA SCIENCE BADGES

Complete the following and download your digital badges. The first 2 badges are mandatory for 2023. The last 2 are optional badges for 2023.

Mandatory badges

1. [Data Science 101 | Free Courses in Data Science, AI, Cloud Computing, Containers, Kubernetes, Blockchain and more. (cognitiveclass.ai)](#)
2. [Data Science with Python | Free Courses in Data Science, AI, Cloud Computing, Containers, Kubernetes, Blockchain and more. (cognitiveclass.ai)](#)

Optional badges

3. [Data Visualization with R | Free Courses in Data Science, AI, Cloud Computing, Containers, Kubernetes, Blockchain and more. (cognitiveclass.ai)](#)
4. https://cognitiveclass.ai/learn/data-science-business

TOPIC 2 PYTHON FULL- STACK 12 WEEKS MINIMUM

- **SETUP PYTHON VIA VIDEOS**
- **ONLINE READING: Full Stack Python**
- **GIT AND GITHUB Git and GitHub for Beginners - Crash Course - YouTube**
- **PYTHON IN TYPES (29) Learn Python by Thinking in Types - Full Course - YouTube**

TOPIC 3 PRACTICAL LINUX SYSADMIN

- **6 HOUR VIDEO BY INTELLIPAAT OVER 6 WEEKS**
- **WORKING IN THE TERMINAL FOR APPROXIMATELY 44 WEEKS FROM THIS LINK https://drive.google.com/drive/folders/1mVqhkCZ1eZ16lu6Q 6FwGpDUPq5HCeJw2?usp=sharing**

BIBLIOGRAPHY

- **www.alison.com**
- **https://cognitiveclass.ai**
- **https://coursera.org**
- **edX | Free Online Courses by Harvard, MIT, & more | edX**
- **www.intellipaat.com**
- **www.simplilearn.com**
- **www.youtube.com**
- **https://www.projectpro.io/article/data-science-project-report/620**
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