

Contenido de los cursos

Parte 1: Samsung Innovation Campus – Programación, Algoritmos y estructuras de datos en Python (100 horas)

Chapter 1. Programming Basic Concept and Starting Python
Chapter 2. Python Programming Basic - Sequence Data Type in Python
Chapter 3. Effective Python Programming - Function, Closure, and Class
Chapter 4. Algorithm 1 - Data Structures
Chapter 5. Algorithm 2 - Sorting Algorithms
Chapter 6. Algorithm 3 - Problem Solving with Algorithms
Chapter 7. Data Processing, Descriptive Statistics, and Data Visualization
Chapter 8. Data Analysis and Visualization - Mini Project

Parte 2: Samsung Innovation Campus – Curso de Inteligencia Artificial (350 horas)

► Lecture and Exercise (270 hours)

Course Contents
Chapter 1. Introduction to Artificial Intelligence
Chapter 2. Math for Data Science
Chapter 3. Exploratory Data Analysis: NumPy Arrays for Optimized Numerical Computation and Pandas
Chapter 4. Probability and Statistics
Chapter 5. Machine Learning 1 – Supervised Learning
Chapter 6. Machine Learning 2 – Unsupervised Learning
Chapter 7. Natural Language Processing and Language Models for Text Mining
Chapter 8. Neural Network and Deep Learning

Chapter 9. Various Deep Learning Topics: Deep Learning Techniques for Video and Language Intelligence

► **Capstone Project** (5 Hours Lecture + 75 hours Project)

Course Contents

Chapter 10. Starting an AI Project

Chapter 11. AI Capstone Project Tutorial