

Week 2: Pricing Models & Python

Basic Python:

[Video: Basics of Python \(1 to 9\)](#)

[Video: Numpy Basics \(till 48 mins\)](#)

[Pandas Basics \(1 to 20 \)](#)

<https://www.w3schools.com/python/default.asp> (Till Python Arrays)

https://pandas.pydata.org/docs/user_guide/dsintro.html Intro to data structures and Essential Basic Functionality

<https://www.w3schools.com/python/pandas/default.asp> (Tutorial, Cleaning, Correlation and Plot,)

Pricing Model:

[Arbitrage: How Arbitraging Works in Investing. With Examples \(investopedia.com\)](#)

[Normal Distribution](#)

[Black-Scholes Model: What It Is, How It Works, and Options Formula](#)

[Binomial Pricing model](#)

[Monte Carlo Simulation](#)

[Creating above simulation](#)