

Macroeconomics Forecasting Using Python

Analytics, Predictions, and Scenario Planning

About the Program



Master the art of forecasting economic trends with Python.

This 2-day, hands-on workshop is designed for economists, analysts, and policy professionals eager to dive into data-driven macroeconomic forecasting—without needing advanced coding or econometrics expertise. Through practical exercises, real-world datasets, and interactive sessions, the workshop bridges theory and application —helping participants gain confidence in using Python for analysing key macroeconomic indicators.

Python
Foundation

Build Forecasting
models

Visualise

Hands-on





Program Structure

DAY 1

- **Module 1:** Introduction to Python for Economic Forecasting
- **Module 2:** Data Scraping, Mining and Analysis (Data Analysis & Visualisation)
- **Module 3:** Introduction to Forecasting Techniques (Data Extraction, Cleaning & Transformation)

DAY 2

- **Module 4:** Models of Forecasting (ARIMA)
- **Module 5:** Advanced Time Series Models (VAR/VECM)
- **Module 6:** Machine Learning in Forecasting (Random Forest & Others)



Why this Program?



- Explore key tools like time series analysis, ARIMA, and VAR models.
- Get a beginner-friendly intro to machine learning for forecasting.
- Work with real-world economic datasets (GDP, inflation, interest rates).
- Build, test, and evaluate your own forecasting models from scratch.
- Gain practical skills in data collection, analysis, and visualization.
- Connect economic theory with policy application through interactive sessions.
- Walk away ready to support evidence-based economic policymaking with Python.



Scenario Simulation

Providing Scenario Insights



Forecast Models and Tools

Build your own forecast models

Forecast Model Comparison Template

Model-Building Cheat Sheet

Scenario Analysis Template



Program Fee

Our training programs are built specifically for your organisation, with flexible pricing based on the number of attendees. Let's design the perfect program for your team — contact us today for a personalised quote!

Contact Us



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