

Certificate in Predictive Analytics in Python

[eLearning]

The EY logo consists of the letters 'EY' in a bold, white, sans-serif font. Above the 'Y' is a yellow chevron shape pointing to the right.

Building a better
working world



About the course

Predictive analytics adopts a proactive approach to data. A general business intelligence tool uses data to learn about a customer or to identify trends in a business wherein, predictive analytics identifies how that customer will behave in a future situation and how they may react to the various business has with them. Predictive analytics empowers organizations to plan, which can transform an uncertainty into a usable action with high probability.

Predictive modelling is one of the most crucial and essential components of Data Science. It is the final stage in Data Science wherein, predictions are generated using one or more algorithms to generate predictions out of the historical data. We use predictive modelling in order to get an in-depth insight inside data and make decisions that will drive the businesses.

There are more than 8.2 million developers who use Python making it one of the most popular languages for machine learning and IoT (Internet of Things) apps. New age and tech companies like IBM, Netflix, Google, YouTube, NASA, Amazon, Instagram and Facebook use Python for their apps. More and more companies are adopting Python as their core functionality and development language. Currently Python certification is one of the most sought-after programming certifications in the world.

Who should take this course?

- ▶ Working professionals who intend to build their career in the field of analytics
- ▶ Working professionals who intend to build their career in the field of ML and AI
- ▶ Professionals who are currently in the Big Data and Data Science domains
- ▶ Professionals from the quality and testing team
- ▶ IT-Professionals in scripting and automation industry
- ▶ Entrepreneurs
- ▶ Fresh graduates and young professionals
- ▶ Mid-level managers
- ▶ Professionals working with MIS and operations

Benefits of the course

- ▶ In-depth learning of various statistical algorithms through practical examples
- ▶ Get capabilities to build and implement statistical model which can predict
- ▶ Learn and acquire the required Python skills at specific work areas
- ▶ Learn to create your own predictive models
- ▶ Sessions recorded by experienced industry experts and professional

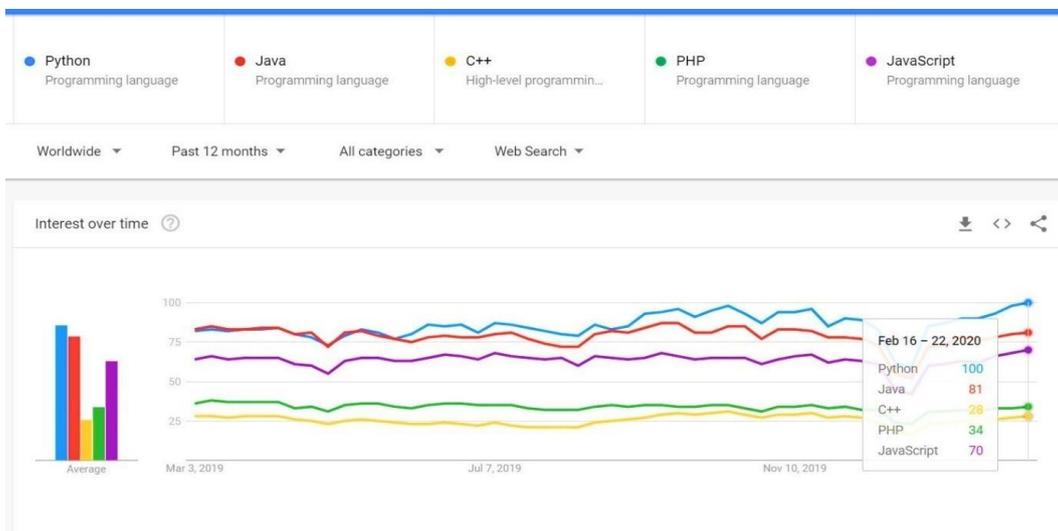
Course coverage

- ▶ Univariate and multivariate linear regression
- ▶ Logistic regression
- ▶ Gradient descent
- ▶ KNN methods
- ▶ Support vector machine
- ▶ Decision tree
- ▶ Random forest model
- ▶ Introduction to ML and AI
- ▶ Case study

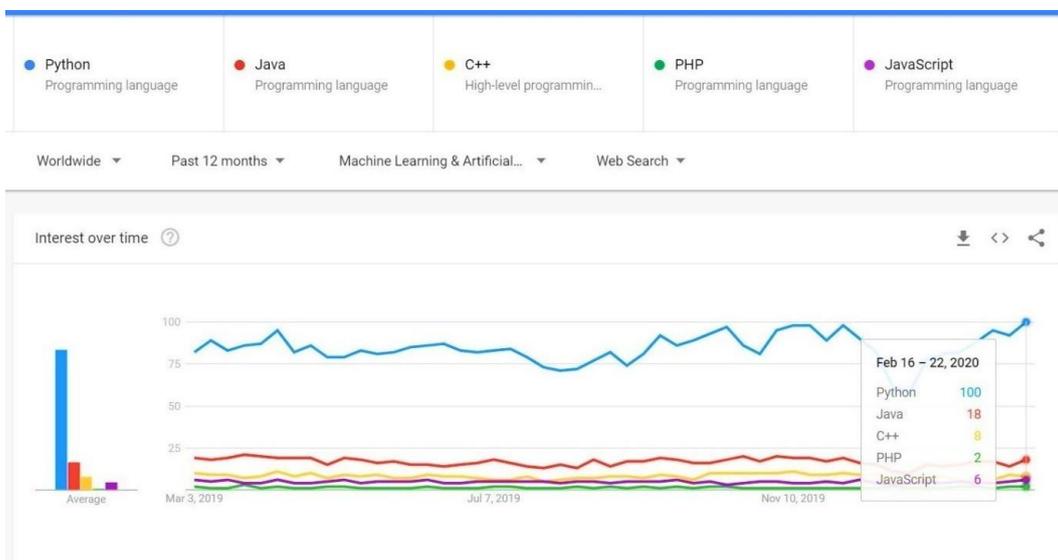


Python popularity

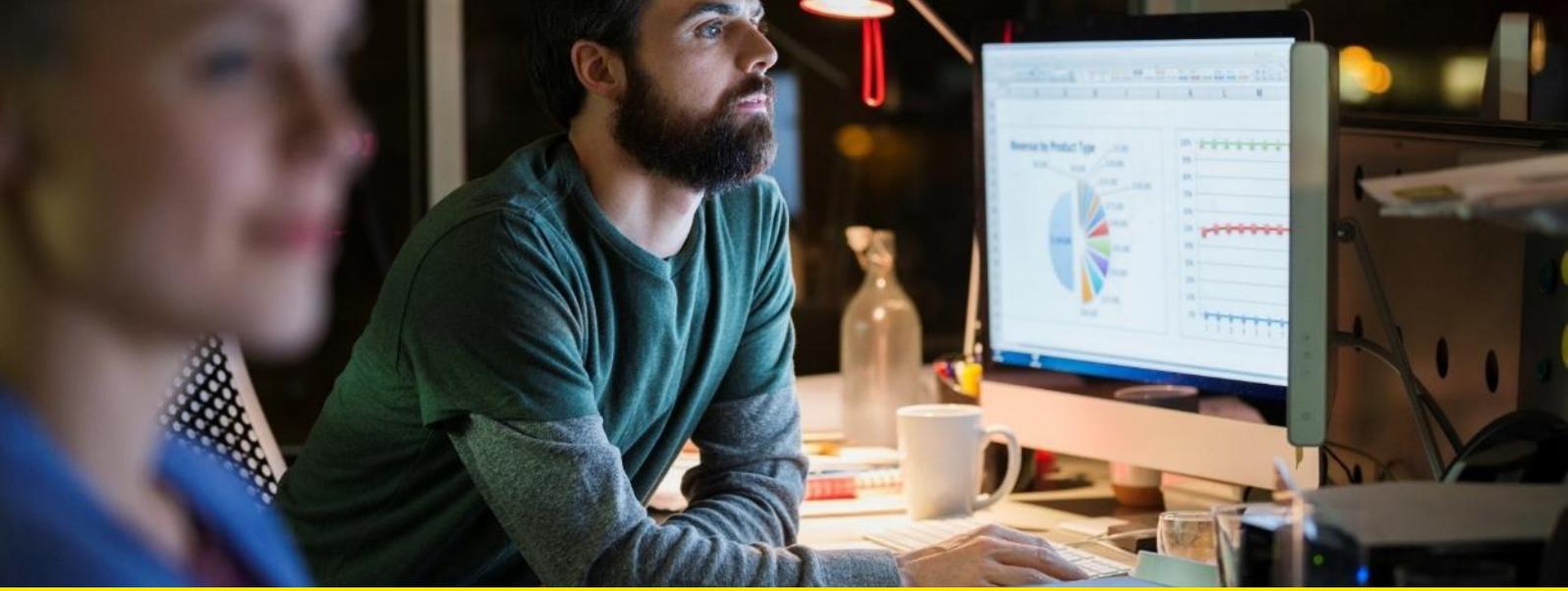
Overall Python's popularity in the last year



Python's popularity for ML and AI in last one year



Source: Google Trends



Course deliverables

- ▶ 10+ hours of e-learning videos
- ▶ Presentations
- ▶ Includes datasets
- ▶ Online assessment
- ▶ Certificate of completion
- ▶ Query support through email
- ▶ Six months of LMS access

Assessment and Certification

EY will award “Certificate of Completion” to participants at the end of the program on successfully clearing the assessment.

- ▶ Assessment would be based on MCQs
- ▶ Participant needs to achieve a minimum score of 50% to pass the exam
- ▶ All participants who meet the above criteria would be awarded a certificate of completion

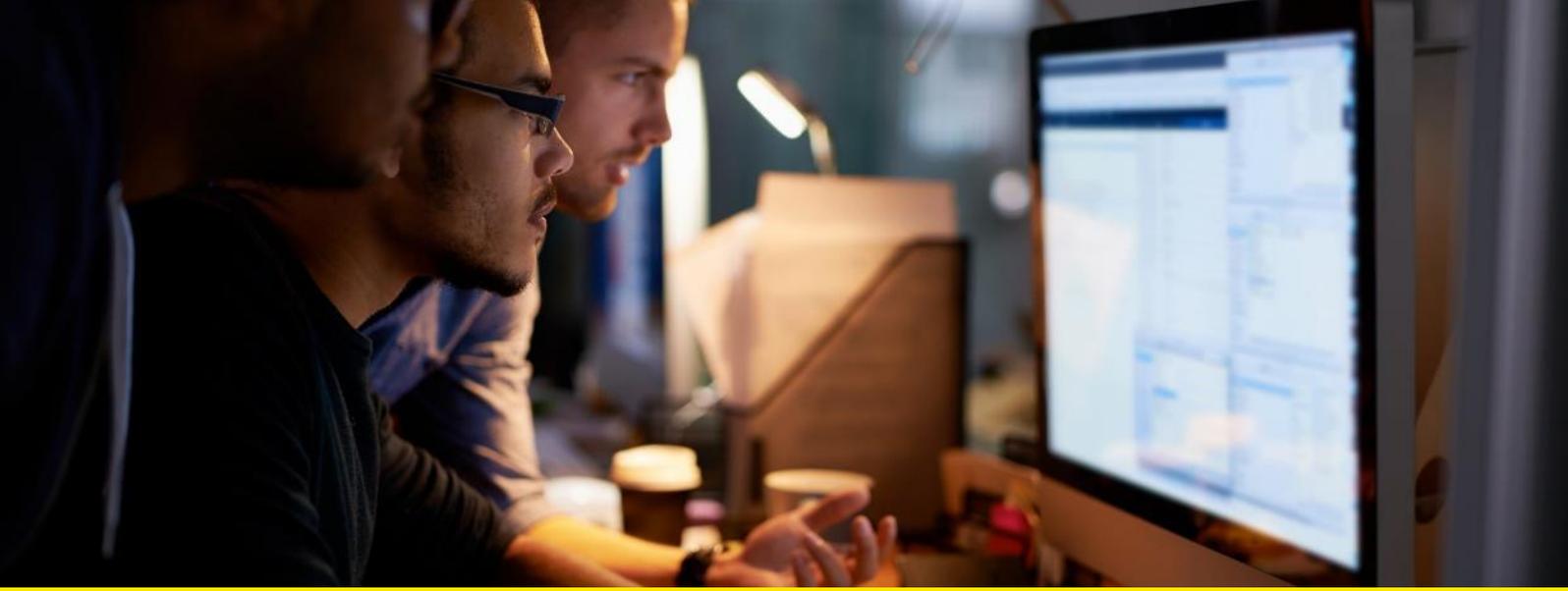
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Our other eLearning courses

- ▶ Certificate in IFRS
- ▶ Certificate in Exploratory Analytics in Python
- ▶ Certificate in Finance for Non-Finance Managers
- ▶ Certificate in Business Intelligence using Power BI
- ▶ Certificate in Blockchain Technology
- ▶ Certificate in Data Visualization Using Tableau
- ▶ Certificate in Financial Modelling and Valuation
- ▶ Certificate in Lean Six Sigma Green Belt
- ▶ Certificate in Ind-AS
- ▶ Certificate in Artificial Intelligence and Machine Learning in Python
- ▶ Certificate in Advance Analytics Using R



About EY Learning Solutions

In today's testing business environment, with organizational transformation and regulatory change constant features, a flexible and cost-effective workforce is critical. High-quality training is a crucial element of innovative talent management, to improve performance and ensure that your teams can respond to today's challenges and are equipped for career success.

We, at EYFAAS, realized this need and accordingly we have set up a dedicated "Learning Solution" practice to help corporate and practicing professionals to deal with new requirements. FAAS Learning Solutions supplements EY's primary range of services and provide business specific training solutions for our clients and business communities throughout India, Europe, the Middle East and Africa. This is done with the help of a multidisciplinary team of trainers from around the world. As a globally integrated firm, we bring global insight to our training programs.

All training programs are regularly updated to reflect changing trends and guidance. Our practical, relevant and stimulating courses are facilitated by highly competent trainers who have first-hand knowledge of the subject matter. We recognize that each client will have a different history, size, location and sector; therefore, programs can be tailored to specific needs of your business.

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