DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Predictive Analytics Foundation Training

Explain how predictive analytics creates business value, set up Python tools and build and evaluate a first regression model.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **1 day · Day 1**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **Verifiable certificate of completion**

Foundation	Essential	Intermediate	Advanced
1 day · This curriculum	2 days · Next step	3 days · Later	5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	12 topics · Foundation
Hands-on labs	1 lab
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/predictiveanalytics/predictive-analytics-foundation-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Predictive Analytics course path, you will be able to:

1

Build accurate predictive models

Prepare data and build, evaluate and tune regression, classification and forecasting models.

2

Explain and trust predictions

Interpret models with explainability tools and validate them against leakage and bias.

3

Turn predictions into value

Deploy, monitor and govern models and link them to measurable business decisions.

WHAT THE FOUNDATION LEVEL ADDS

Analytics concepts, statistics, tools and first model

Hands-on: Predict house prices with regression. Load a housing dataset, explore it with pandas and charts, fit a linear regression, and report its error on held-out test data.

WHO SHOULD ATTEND

- Beginners and working professionals who are new to Predictive Analytics and want a solid, hands-on start.
- Engineers, analysts, testers and students preparing to use Predictive Analytics on real work.
- Leads and managers who want first-hand familiarity with Predictive Analytics.

BEFORE YOU START

- No prior Predictive Analytics experience is needed.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION

Predictive Analytics Foundation Training agenda

12 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: Analytics concepts, statistics, tools and first model

New at this level

1. Analytics spectrum: descriptive, diagnostic, predictive and prescriptive analytics
2. Business use cases: churn prediction, demand forecasting, credit risk, fraud and predictive maintenance
3. CRISP-DM lifecycle: business understanding, data understanding, preparation, modelling, evaluation and deployment
4. Data fundamentals: structured and unstructured data, data sources, target variables and features
5. Statistics refresher: distributions, mean, variance, percentiles and correlation vs causation
6. Probability basics: conditional probability, Bayes' theorem and expected value
7. Tooling: Python with Jupyter, pandas, scikit-learn and Matplotlib; alternatives such as R and Excel
8. Environment setup: installing Python with Anaconda or uv, creating environments and launching notebooks
9. Loading and exploring data: reading CSV and Excel files, summary statistics and simple charts
10. First predictive model: simple and multiple linear regression with scikit-learn
11. Train and test split: why we hold out data and how to evaluate with MAE and RMSE
12. Ethics and data privacy: consent, sensitive attributes and responsible use of predictions

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Predict house prices with regression

Load a housing dataset, explore it with pandas and charts, fit a linear regression, and report its error on held-out test data.

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	All four Predictive Analytics levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	1 day for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR PREDICTIVE ANALYTICS TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/predictiveanalytics/

ENROL OR RESERVE A SEAT
Predictive Analytics Foundation Training

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Next step after this level: Predictive Analytics Essential Training - Prepare real data, build regression and classification models, evaluate them properly and tune them without overfitting.