Post Graduate Data Analyst Program
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Hiring Partners

- Airtel
- BSNL
- Tech Mahindra
- Samsung
- Denso
- Maersk
- Gillette
- Hero
- HP
- Hitachi
- Honeywell
- HCL
- ITC Infotech
- EY
- Gartner
- Genpact
- Dell
- CSC
- Cognizant
- Jet Airways
- AON Hewitt
- Barclays
- Capgemini
- Cisco
- Maruti Suzuki
- Amazon
- Mindtree
- Accenture

And 200 more...
Placement Highlights

Summary

200+ Participating Companies

12 LPA Average CTC

32+ LPA Highest CTC

89% Average Salary Hike

Roles Offered

- Data Analyst
- Data Architect
- Application Architect
- Infrastructure Architect
- Data Processing Manager
- Enterprise Architect
- SQL Developer
- Market Research Analyst
- Business Analyst
- Analytics Manager
Program Eligibility Criteria and Application Process

Eligibility Criteria
For admission to this Post Graduate Data Analyst Program the candidate should have:
- A Bachelor degree in any discipline
- Current university students in their final year with an average of 50%

Application Process
The application process consists of three simple steps. An offer of admission will be made to the selected candidates and accepted by the candidates by paying the admission fee

Step 1
Apply by filling a simple online application form

Step 2
Admission Committee will review and shortlist

Step 3
Screening Call with Alumni/ Faculty
Data Analyst Batch Profile

Experience Distribution

- Freshers: 5%
- < 1 Year: 9%
- 1-2 Years: 12%
- 2-3 Years: 24%
- 2-5 Years: 18%
- 5+ Years: 32%
About the Course

9 in 1 Course

TRAINING
6 Months of Live Online Interactive Classroom Sessions

PROJECTS
Facility to undergo projects in Power BI, Tableau, Data Science with R & More

INTERNERSHIP
Guaranteed Internship to gain practical experience of the learnings

PLACEMENT
100% Placement Guarantee Support for 1-Year post successful completion

CERTIFICATION
Distinguish your profile with the global credential of Post Graduate Data Analyst (PGDA) and showcase expertise by using the Hallmark of PGDA next to your name. For example Kartik (PGDA)

E-LEARNING ACCESS
Get access to abundant tools and techniques, video content, assessments, and more

MASTERCLASS
Access to 52+ Masterclass Sessions for essential soft skill development

HACKATHONS
Free Access to #AskHenry Hackathons and Competitions

MEMBERSHIP
Get 1-Year Gold Membership of Henry Harvin® Analytics Academy for the Post Graduate in Data Analytics
Access to Masterclass Sessions

Guaranteed Internship Post Training

Hallmark of PGDA next to your name, for example, Rishabh Sinha (PGDA)

Attend Unlimited Batches with Different Instructors for the next 1 year without paying anything extra

100% Placement Guarantee Support for 1 Year

1-Year Gold Membership of Henry Harvin® Analytics Academy

24x7 Lifetime Support & Access

Mobile App Access to Moodle E-Learning Portal

Access to 5+ Soft Skills courses to enhance employability
Program Curriculum

Python Programming

Natural Language Processing

R Programming

Statistics & Probability

Power BI

SQL Developer

Tableau

Big Data & Hadoop

Industry 4.0

Computer Vision

Electives

- Industry 4.0
- Computer Vision
Python Programming

This Data Science with Python course will set up your mastery of Data Science and analytics techniques using Python. In this Python for Data Science course, you will learn the essential concepts of Python programming and gain in-depth knowledge in data analytics, Machine Learning, data visualization, web scraping, and natural language processing.

Key Learning Objectives

- Learn an in-depth understanding of Data Science processes, data wrangling, data exploration, data visualization, hypothesis building, and testing Install the required
- Understand Python environment and other auxiliary tools and libraries
- Understand the essential concepts of Python programming such as data types, tuples, lists, dict, basic operators, and functions
- Perform high-level mathematical computing using the NumPy package and its vast library of mathematical functions
- Carry out scientific and technical computing using the SciPy package and its sub-packages such as Integrate, Optimize, Statistics, IO, and Weave
- Carry out data analysis and manipulation using data structures and tools provided in the Pandas package
- Gain an in-depth understanding of supervised learning and unsupervised learning models such as linear regression, logistic regression, clustering, dimensionality reduction, K-NN, and pipeline
- Use the Matplotlib library of Python for data visualization
- Extract useful data from websites by performing web scraping using Python

Course Curriculum

- Lesson 1 - Data Science Overview
- Lesson 2 - Data Analytics Overview
- Lesson 3 - Statistical Analysis and Business Applications
- Lesson 4 - Python Environment Setup and Essentials
- Lesson 5 - Mathematical Computing with Python (NumPy)
- Lesson 6 - Scientific Computing with Python (Scipy)
- Lesson 7 - Data Manipulation with Pandas
- Lesson 8 - Data Visualization in Python using Matplotlib
R Programming

The next step to becoming a data scientist is learning R—the most in-demand open source technology. R is the most powerful Data Science and analytics language, which has a steep learning curve and vigorous community. Data Science with R is becoming the technology of choice for organizations that are adopting the power of analytics for competitive expedience.

Key Learning Objectives

- Gain a substantial understanding of business analytics
- Install R, R-studio, and workspace setup, and learn about the various R packages
- Master R programming and understand how various statements are executed in R
- Gain an in-depth understanding of data structure used in R and learn to import/export data in R
- Define, understand and use the various apply functions and dplyr functions
- Understand and use the various graphics in R for data visualization
- Gain a basic understanding of various statistical concepts
- Understand and use hypothesis testing method to drive business decisions
- Understand and use linear, non-linear regression models, and classification techniques for data analysis
- Learn and use the various association rules and Apriori algorithm Learn and use clustering methods including K-means, DBSCAN, and hierarchical clustering

Course Curriculum

- Module 1 - Introduction to Business Analytics
- Module 2 - Introduction to R Programming
- Module 3 - Data Structures
- Module 4 - Data Management in R
- Module 5 - Advanced Data Visualization
- Module 6 - Descriptive Statistics in R
- Module 7 - Regression Analysis
- Module 8 - Decision Tree: Classification
- Module 9 - Clustering: K-means and Hierarchical
- Module 10 - Association Rule Analysis
Natural Language Processing

In learning Language Processing Course, gain a variety of skills including knowledge of programming languages, statistical analysis, and machine learning methods. Additionally, you will become familiar with language-specific computational tasks, such as text representation and text clustering techniques.

Key Learning Objectives

- Be familiar with Email filters that automatically recognize spam based on written content.
- Grab knowledge on Smart assistants, such as Siri and Alexa, that use voice recognition to accomplish spoken tasks.
- Search results that return websites with content that matches the request.
- Autocorrect and autocomplete functions that predict intended sentences.
- Use dense and recurrent neural networks, LSTMs, GRUs, and Siamese networks in TensorFlow and Trax to perform advanced sentiment analysis, text generation, named entity recognition, and to identify duplicate questions.

Course Curriculum

- Module 1- Natural Language Processing & NLTK
- Module 2- Advanced Natural Language Processing & Spacy
Statistics & Probability

Statistics & Probability will introduce candidates to the basic concepts and logic of statistical reasoning and gives the students introductory-level practical ability to choose, generate, and properly interpret appropriate descriptive and inferential methods.

Key Learning Objectives

- Familiarity with probability and statistics with applications.
- Exploratory Data Analysis in the form of Examining Distributions and Examining Relationships.
- The students gain an appreciation for the diverse applications of statistics and its relevance to their lives and fields of study.
- Attain knowledge of basic concepts like random experiments, probability axioms, conditional probability, and counting methods.
- Introduction to mathematical statistics, in particular, Bayesian and classical statistics.

Course Curriculum

- Introduction to Statistics
- About Data
- Descriptive Stats
- Probability
- Probability Theory
- Data Distribution
- Hypothesis Testing
- Inferential Stats
- Sampling Techniques
- Statistical Tests
Power BI

The Business Intelligence course curriculum is composed of modules which impart the essential knowledge along with developing interest and curiosity. You will earn a Henry Harvin certificate when you have put your learnings to the test and come out a winner. Once you have completed all requirements about the Business Intelligence course, our trainers would be honored to hand over the Course completion certificate to you, in person!

Key Learning Objectives

- Master Business Intelligence using Power BI
- Create Powerful Storylines Presentation to Executives
- Develop Intrinsic Understanding of How Table Calculations Work
- Create Effective Presentations using Stories
- Easily Implement Advanced Mapping Techniques
- Understand Data/KPIs and Importance of Business Intelligence
- Create Highly Interactive Dashboards
- Easily Create Charts of any Type

Course Curriculum

- Module 1: Business Intelligence (BI) Concepts
- Module 2: Microsoft Power BI (MSPBI) Introduction
- Module 3: Connecting Power BI with Different Data Sources
- Module 4: Power Query for Data Transformation
- Module 5: Data Modelling in Power BI
- Module 6: Reports in Power BI
- Module 7: Reports & Visualization Types in Power BI
- Module 8: Dashboards in Power BI
- Module 9: Data Refresh in Power BI
- Module 10: Projects — End to End Data Modelling & Visualization
Tableau Course

The tableau course will help the candidate master the data visualization using tableau and create Powerful storylines presentations to executives. Learn to develop an intrinsic understanding of table calculations work. Understand Data/KPIs and the Importance of Data Visualization and Create Highly Interactive Dashboards. Work on Real Life Business Problems Proficiently

Key Learning Objectives

- Master Data Visualization using Tableau
- Create Powerful Storylines Presentation to Executives
- Develop Intrinsic Understanding of How Table Calculations Work
- Create Effective Presentations using Stories
- Easily Implement Advanced Mapping Techniques
- Understand Data/KPIs and the Importance of Data Visualization
- Create Highly Interactive Dashboards
- Easily Create Charts of any Type
- Connect Tableau to other Sources effortlessly
- Work on Real Life Business Problems Proficiently

Course Curriculum

- Module 1: Introduction to Data Visualization and Power of Tableau
- Module 2: Architecture of Tableau
- Module 3: Working with Metadata and Data Blending
- Module 4: Creation of Sets
- Module 5: Working with Filters
- Module 6: Organizing Data and Visual Analytics
- Module 7: Working with Mapping Preview
- Module 8: Working with Calculations and Expressions
- Module 9: Working with Parameters Preview
- Module 10: Charts and Graphs
- Module 11: Dashboards and Stories
- Module 12: Tableau Prep
- Module 13: Integration of Tableau with R and Hadoop
Big Data & Hadoop

The Big Data & Hadoop Training helps to understand the several components of the Hadoop ecosystem fit into the Big Data processing lifecycle. The Big Data & Hadoop Training will help to explore Spark applications, parallel processing and functional programming.

Key Learning Objectives
- Attain in-depth knowledge of Big Data framework using Hadoop and Spark
- Execute real-life, industry-based projects using Integrated Lab
- Higher interaction in classes by industry experts
- Real-time data processing
- Spark Processing

Course Curriculum
- HADOOP Framework
- Spark
- Machine Learning with Spark and Real-Time Streaming
Industry 4.0

Industry 4.0 is the revolution in Industrial Manufacturing. It is powered by Robotics, Artificial Intelligence, and CPS. This module is suitable for Aspirants from all backgrounds.

Key Learning Objectives

- Implement Smart Factory Concepts supporting digital transformation
- Frameworks to structure a company’s digital growth
- Enabling design principles that support companies in identifying and implementing various Industry 4.0 scenarios
- Key technologies for smart factories

Course Curriculum

- **Module 1- Introduction to Image Processing**
  In this module, the candidate will learn about Industry 4.0, Industry Revolutions, Transformation of Industry, Software-Defined Industrial Systems, and Key Design Principles.
  - Introduction to Industry 4.0
  - Evolution of Industry Revolutions
  - Transformation of Industries
  - Software-Defined Industrial Systems
  - Key Design Principles
  - Quiz Module 1

- **Module 2- Smart Factory**
  In this module, the candidate will learn about Smart Factory, which includes understanding Smart Factory Model, Smart Factory Manufacturing, and its Elements and Components.
  - Understanding Smart Factory
  - Smart Factory Model
  - Smart Factory Manufacturing
  - Elements and Components
  - Quiz Module 2
Module 3- Challenges and impact of Industry 4

In this module, the candidate will learn about the Impact of Industry 4, such as IT Security Challenges, Capital Investments, Reliability, Jobs, Skill-sets, and Impact of I4 on different sectors.

- IT Security Challenges
- Capital Investments
- Reliability, Jobs, and Skill-sets
- Impact of I4 on different sector
- Quiz Module 3

Module 4- Pillars of Industry 4

In this module the candidate will learn about Pillars of Industry 4, which includes 6 Pillars; Pillar 1- 3D Printing, Pillar 2- Augmented Virtual Reality, Pillar 3 - Big Data Analytics, Pillar 4 - Cloud Computing, Pillar 5 - CPS, and Pillar 6 - IIOT.

- I4 Pillar 1- 3D Printing
- I4 Pillar 2- Augmented & Virtual Reality
- I4 Pillar 3- Big Data Analytics
- I4 Pillar 4- Cloud Computing
- I4 Pillar 5- CPS
- I4 Pillar 6- IIOT
- Quiz Module 4
Computer Vision

A candidate can become specialized in key application areas of Computer Vision. There are major component of Artificial Intelligence. A candidate can get versed in CNN Architecture and Image Convolution. The career can be redefined as a Certified Computer Vision Professional

Key Learning Objectives

- Implement Smart Factory Concepts supporting digital transformation
- Frameworks to structure a company’s digital growth
- Enabling design principles that support companies in identifying and implementing various Industry 4.0 scenarios
- Key technologies for smart factories

Course Curriculum

- **Module 1- Introduction to Image Processing**
  
  In this module the candidate will learn how to work on Images, what are Convolutions 2D, Convolutions for Images, Transposed Convolution, and Fully connected Layer as a Convolution and Pooling.
  
  - Working with images
  - Introduction to Convolutions 2D
  - Convolutions for Images
  - Convolution: Forward and Backward
  - Transposed Convolution and Fully Connected Layer as a Convolution
  - Pooling: Max Pooling and other Pooling

- **Module 2- CNNs**
  
  In this module the candidate will learn about Cable News Network, which includes understanding of its Architecture, ALexNet, LeNet, Inception and Mobile Net Models, Transfer learning Etc. It will also equip the students with the knowledge of GPU and CPU.
  
  - CNN Architecture
  - ALexNet, LeNet,ZFNet,VGGNet, GoogleNet, ResNet
  - Inception and Mobile Net Models
  - GPU Vs CPU
  - Transfer Learning

- **Module 3- CNNs for Recognition, Verification & Detection**
  
  In this module the candidate will learn about Object Detection with region proposals of CNNs, Bounding Box Regressor and Siamese Network for Metric Learning.
  
  - Object Detection with region proposals, YOLO and SSD
  - Bounding Box Regressor
  - Siamese Network for Metric Learning
Tools Covered

Keyword Tool
Plagiarism Detector.net
Office
rankwatch
SurveyMonkey
Word
WordPress
Snagit
LightShot
Photoshop
VSDC
Canva
InDesign
Google
Facebook
GTmetrix
LinkedIn
SEOptimer
Semrush
Segment
NotePad++
SeedKeywords
And many more ...
Learning Benefits

Take Actionable **Data-Driven Decisions** to increase market share

Create Effective **Presentations** using Stories

**Connect Tableau** to other Sources effortlessly

Be Aware of **JOIN**: Inner, Left, Right, Full Outer, and Cross JOIN

Know the basics of **VBA and its analysis**

Develop Intrinsic Understanding of How **Table Calculations** Work

Understand **Data/KPIs** and the Importance of Data Visualization

Gain knowledge about **Relational Databases**, SQL Commands, and Statements

Understand Data- Time functions of SQL, inclusive of Date and Time and Age functions

Acquire knowledge about **Power Query** and User-Defined Functions
Career Benefits

Get exposed to a wide range of opportunities Worldwide, demanding Specialization Support a Startup with ROI

Distinguish your profile from peers during Job Interviews

Fill the Void of Millions of untapped High-Paying Jobs in Data Analyst with Talent Shortage

Become eligible for Data Analyst Jobs demanding background

Upgrade your Biz Card with Hallmark of Global Credential- PGDA added next to your name

Get Promoted in Current Profile with most in-demand skills

Improve your CV & LinkedIn Profile with Technical and Professional development
Our Clientele

CORPORATE CLIENTELE

171+ Corporates

COLLEGE CLIENTELE

109+ Colleges
Media Recognition

37+ Media Recognitions
Reviews & Rankings

1500+ Google Reviews  300+ Youtube Video Testimonials
About Henry Harvin® Education

As a competency and career development organization, Henry Harvin® Education develops, enhances, and promotes select skill-sets that are deemed essential to changing times. Embedding ‘Value Creation’ at the core of its vision, Henry Harvin® Education partners with best in industry organizations and empanel domain experts to transform careers of the diverse audience from industry and academia by harnessing the power of skill centric training programs. These programs are carefully handcrafted to deliver tangible output for its learners by creating a distinguished biosphere of the latest learning technologies, effective content, and experienced trainers. Henry Harvin® Education is inspired by the contributions of Mr.Henry Dunster (First President of America’s Oldest University) to the education industry which has sustained for over 400 years.

About Henry Harvin® Analytics Academy

Henry Harvin® Analytics Academy has been set up with an objective to advance the professional journey of Content professionals by upskilling them with key skills. These skills are imparted through action-oriented learning solutions that are carefully handcrafted by subject matter experts with extensive industry experience. These learning solutions are delivered using our unique goal-centric pedagogy by select professionals from leading organizations those also impaneled as domain experts with the academy. This enables the academy in achieving its goal of empowering managers to reach their full professional potential. Henry Harvin® Analytics Academy aims to function in its outreach geographies and upskill 200,000 professionals till 2030!

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