

ENTERPRISE BIG DATA ANALYST

5-day
course

ESSENTIAL PRINCIPLES FOR EFFECTIVE DATA ANALYSIS

In today’s digital economy, the ability to transform data into actionable insights is essential for success. The Enterprise Big Data Analyst (EBDA®) Certification, part of the DASCIN® Enterprise Big Data Framework, empowers professionals with the skills to analyze and interpret Big Data for strategic decision-making.

Designed for data analysts, business leaders, and IT professionals, this globally recognized credential bridges the gap between data science and real-world business applications. It covers essential topics such as statistical analysis, predictive modeling, and machine learning techniques—equipping individuals to transform raw data into actionable insights.

With a vendor-neutral and practical approach, the EBDA® Certification ensures that professionals can leverage data to optimize operations, drive innovation, and maintain a competitive edge. While there are no prerequisites, completing the Enterprise Big Data Professional (EBDP®) Certification is recommended for a stronger foundation in Big Data concepts.

SYLLABUS SCOPE

Candidates will develop an understanding of the entire data analysis process, including data sourcing, cleaning, wrangling, exploratory analysis, and visualization. Additionally, they will gain proficiency in key statistical inference methods, predictive modeling, classification, clustering, and outlier detection techniques. The course emphasizes practical applications using the R programming language, requiring candidates to interpret programming outputs rather than write code.

The curriculum also highlights best practices in data presentation, ensuring candidates can effectively communicate findings through visualization techniques and structured reporting. While no programming experience is necessary, participants will engage with real-world case studies to enhance their analytical skills. The certification equips professionals with the competencies needed to apply data-driven strategies in enterprise environments, supporting business intelligence, decision-making, and innovation.

EXAM DETAILS

PASSING MARK	FORMAT
52 OUT OF 80	MULTIPLE CHOICE
DURATION	MATERIALS
2.5 HOURS	OPEN BOOK



FORMAT

Instructor-Led Training (Live or Virtual) | Self-Paced Online Training

KEY FEATURES

- 1. Comprehensive Curriculum** – Covers essential Big Data analysis techniques, data governance, visualization, and ethics.
- 2. Practical Learning Approach** – Engages candidates with real-world case studies and interactive exercises.
- 3. Accreditation** – Accredited by APMG International, ensuring global recognition.
- 4. Lifetime Certification** – No renewal required.
- 5. Industry-Relevant Content** – Aligns with current business and technological trends.
- 6. Vendor-Neutral Certification** – Focuses on universal data analysis principles.
- 7. Continuous Education Path** – Provides a pathway for Enterprise Big Data Scientist (EBDS) or other advanced certifications within the **DASCIN® Enterprise Big Data Framework**.



+23%

Employment of data analysts is projected to grow 23 percent from 2022 to 2032, much faster than the average for all occupations.

- The U.S. Bureau of Labor Statistics

JOB DEMAND

The demand for Big Data Analysts is rapidly increasing across industries. Key industry reports highlight the value of data analysis skills:

- **Gartner (2024):** By 2027, 80% of organizations will require data literacy skills in all job roles.
- **World Economic Forum's Future of Jobs Report (2025):** Data-related roles will experience significant growth, with 50% of companies prioritizing data training.
- **LinkedIn Global Skills Report (2024):** Data analysis ranks among the top five in-demand business skills. With job postings increasing by over 30% year-over-year.
- **The U.S. Bureau of Labor Statistics** projects a 25% increase in employment for data analysts from 2022 to 2032, significantly higher than the average for other professions.

TARGET AUDIENCE

The Enterprise Big Data Analyst (EBDA®) Certification is designed for professionals involved in enterprise Big Data analysis who require knowledge of statistical and machine learning techniques to make informed decisions. Suitable roles include:

- **Data Analysts** – Enhance capabilities in statistical methods, visualization, and analytical tools.
- **Business Analysts** – Deepen understanding of Big Data concepts and data-driven decision-making.
- **Data Engineers** – Develop data interpretation skills to complement technical expertise.
- **IT Professionals** – Broaden knowledge of Big Data applications for optimizing business processes.
- **Decision-Makers and Managers** – Gain insights into data analysis for strategic decision-making.

FREQUENTLY ASKED QUESTIONS

Q: Are there any prerequisites for taking this course?

A: While there are no prerequisites, completing the Enterprise Big Data Professional (EBDP®) Certification is recommended for a stronger foundation in Big Data concepts.

Q: How does this certification differ from other data-related programs?

A: The EBDA certification focuses on practical Big Data analysis skills, including statistical methods and machine learning, rather than advanced programming or deep technical expertise.

Q: I'm not familiar with a programming language. Will this be a barrier to completing the EBDA certification?

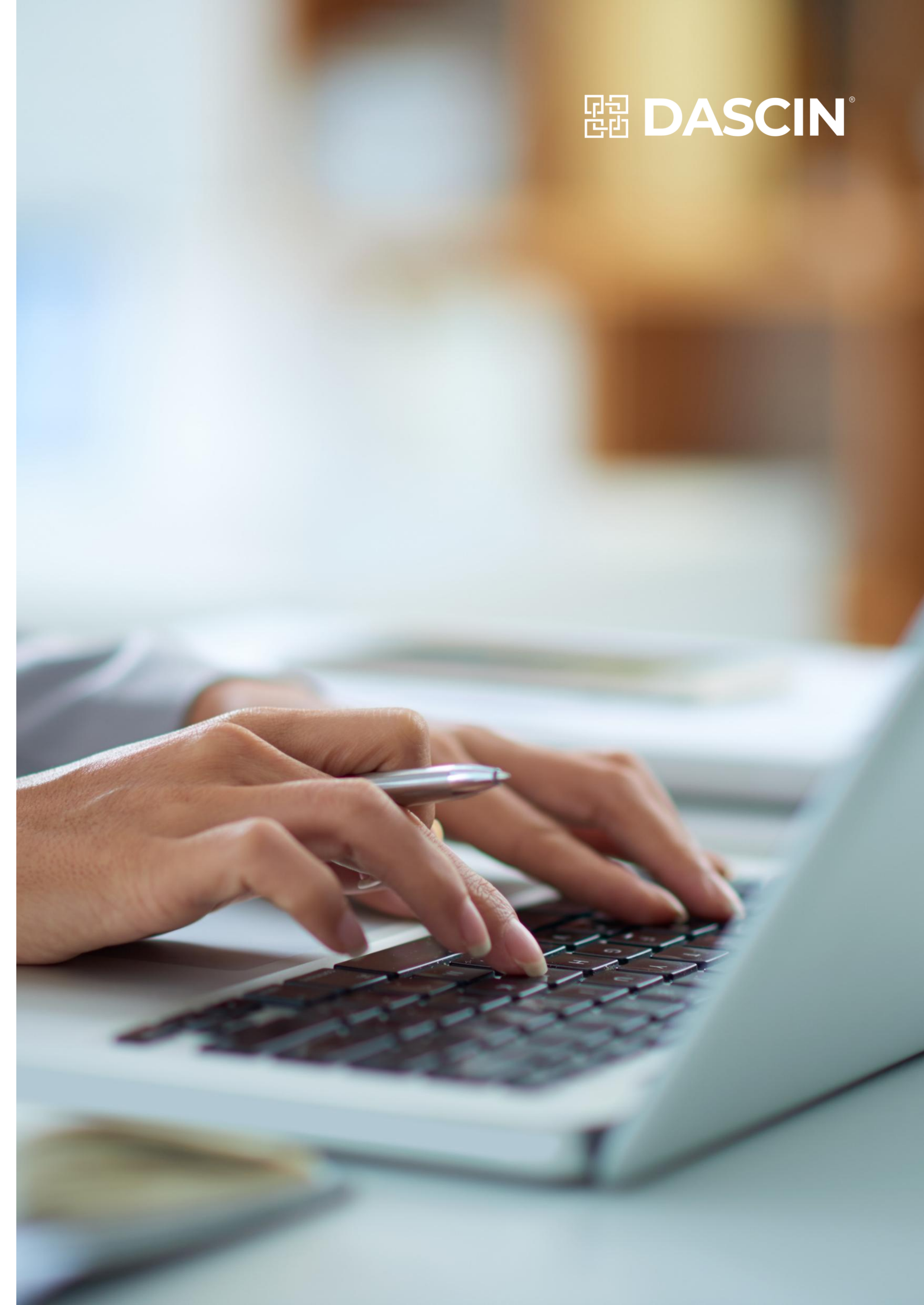
A: While the EBDA certification does utilize a programming language for illustrating statistical and machine learning models, programming skills are not a prerequisite for the certification. The emphasis is on understanding the theoretical concepts and applications of statistical and machine learning techniques rather than on programming proficiency. However, participants are expected to understand the output of programming languages to draw conclusions from the results of analyses.

Q: I'm concerned about the relevance and applicability of EBDA techniques across different platforms. How does EBDA address this concern?

A: EBDA techniques are vendor-neutral, meaning they are not tied to any specific platform or solution. This ensures that the skills and techniques you acquire through EBDA certification can be applied across a wide range of environments and tools. Whether you're working with open-source technologies, proprietary software, or cloud-based platforms, EBDA equips you with the knowledge and expertise to effectively analyze Big Data regardless of the underlying technology stack.

Q: What are the next steps after earning this certification?

A: Candidates can pursue advanced certifications within the DASCIN® Enterprise Big Data Framework, specializing in areas such as data governance, data engineering, or advanced analytics.



TARGET INDUSTRY

Big Data analysis is transforming industries by enabling **data-driven decision-making**, operational efficiency, and strategic insights. The **Enterprise Big Data Analyst (EBDA®) Certification** is highly relevant for professionals in:

- **Financial Services & Banking** – Fraud detection, risk assessment, algorithmic trading, and customer analytics.
- **Healthcare & Pharmaceuticals** – Predictive diagnostics, personalized medicine, and operational efficiency.
- **Manufacturing & Supply Chain** – Predictive maintenance, process automation, and inventory optimization.
- **Government & Public Sector** – Data-driven policymaking, fraud prevention, and citizen engagement.
- **Retail & E-Commerce** – Customer behaviour analysis, dynamic pricing, and recommendation engines.
- **Technology & Software** – AI-driven analytics, cybersecurity, and product development insights.
- **Telecommunications** – Network optimization, churn prediction, and customer experience enhancement.
- **Energy & Utilities** – Smart grid analytics, demand forecasting, and sustainability initiatives.
- **Transportation & Logistics** – Route optimization, demand forecasting, and fleet management.
- **Insurance** – Risk modelling, claims analytics, and customer segmentation.

CONCLUSION

The Enterprise Big Data Analyst (EBDA®) Certification is more than just a qualification. It is a gateway to unlocking the full potential of data-driven decision-making. By mastering statistical methods, machine learning techniques, and core data analysis processes, certified professionals gain the expertise to translate complex data into valuable business insights.

Whether you are looking to enhance your analytical skills, pivot into a data-driven career, or empower your organization with actionable intelligence, the EBDA® Certification provides the essential foundation to excel in the evolving world of Big Data analytics.



CONTACT & MORE INFORMATION

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