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**Upskill the Next Generation of the  
World's Leading **Big Data Analysts****

Become a Certified

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# ASSOCIATE BIG DATA ANALYST (ABDA™)



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# ASSOCIATE BIG DATA ANALYST (ABDA™)

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Big Data Analytics has emerged as one of the brightest Big Data career domains today for individuals with multiple academic and professional backgrounds.

The ABDA™ is a credible 3rd-party, vendor-neutral certification for young professionals who are currently handling roles and functions in MIS, market research, and related areas, or students graduating with majors in Statistics, Applied Mathematics, Economics, or related disciplines dreaming of making exciting careers in Data Science. You can trust the internationally accepted and recognized ABDA™ Credential to prove your proficiency, potential, and promise for Big Data analytics.

**If you are a young professional wanting to become a data analytics specialist the industry looks for, then investing in a data analytics certification would be the best bet for you!**

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**BUILD YOUR DATA  
ANALYTICS  
CAREER WITH  
DASCA'S  
BIG DATA  
ANALYTICS  
CERTIFICATION.**

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# Why ABDA™

DASCA's Big Data Analytics Certifications are major international qualifications today for business analysts and marketing analysts aspiring to enter or grow in the high-demand Big Data development and analytics profession.

If you are a data personnel or a tech school student anywhere in the world, the Associate Big Data Analyst Credential from DASCA slots you best for the most exciting Big Data Analytics jobs.

DASCA-certified professionals can work across all popular, advanced, old, or new data analytics, and big data application development platforms, technologies, tools, use-cases, and user industries. DASCA credentials are incomparably valuable for job seekers as, unlike the narrowly focused platform-specific coverage of other certifications, DASCA credentials are based on a vendor-neutral body of knowledge.

Most of the Data Science certifications available today are offered technology creators themselves, with narrow applicability to ONLY niche, specific technologies, platforms and products they develop. This is what sets DASCA apart.

# WHAT IS THE WORLD SAYING ABOUT DASCA?



DASCA is the prime sponsor of WDSI



The Data Science Degree Programs Guide uses DASCA recognition as a benchmark for its selection of the top data science certificate programs.



Hackr.io named vendor-neutral certifications offered by DASCA among the Top 8 Global Data Science Certification Programs



DASCA Certifications validate and test credential-holders in over 30 profession-critical knowledge vectors



IntelliPaat dubbed DASCA Certifications among the Top 10 Big Data Certifications recognized in the world



DASCA certifications were listed in "Top 18 Data Science Certifications" for career advancement by Indeed.com



The CIO Magazine reported the Data Science certifications offered by DASCA among the World's Top 5 Must-Have Global Credentials for top-end careers in Big Data analytics, engineering, application development, and Data Science leadership



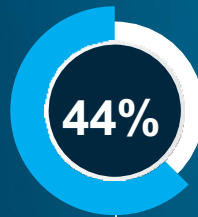
# DATA SCIENCE UBIQUITY

Business leaders say that the biggest benefit of using analytics is strategic decision-making.

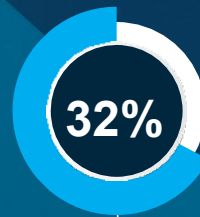
They are seeking out opportunities to implement data analysis into their business processes and share data success stories across the organization, - Gartner reports.

TODAY,  
**79%**  
OF COMPANIES USE  
ANALYTICS

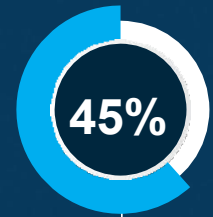
According to a research survey, the use of data analytics leads to:



Operational cost savings



Sales improvement



Improved knowledge of customers

Now is the time for you to strike! Join the team of elite data analysts.

The U.S. Bureau of Labor Statistics (BLS) anticipates that data-related jobs will grow by 28 percent, by 2026, leading to 11.5 million jobs.

To drive an analytics-based culture and improve competitiveness, top organizations hunt for certified data analysts.

Get certified with  
**DASCA's Big Data Analytics Certification!**

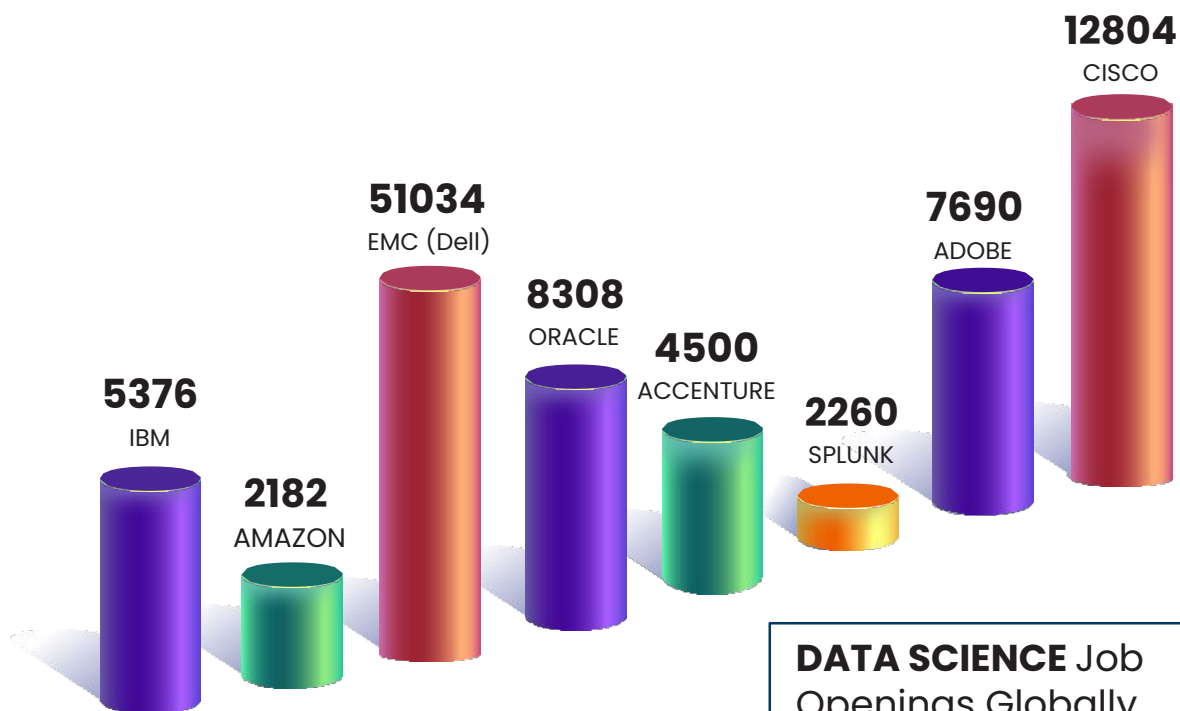
# RISE IN DEMAND

Data Science has become the fuel of all modern technologies, driving professionals, machines, and success of organizations around the world. The demand for Data Scientists, Big Data Engineers, and Big Data Analysts is at a level unseen before.

**Data Analysts and Scientists** will become the **No.1** emerging role in the world.

The **World Economic Forum** predicted that **by 2022**

**85%** of all companies are likely or very likely to expand their adoption of user and entity **big data analytics**, making big data analytics the leader in terms of "emerging" technology adoption.

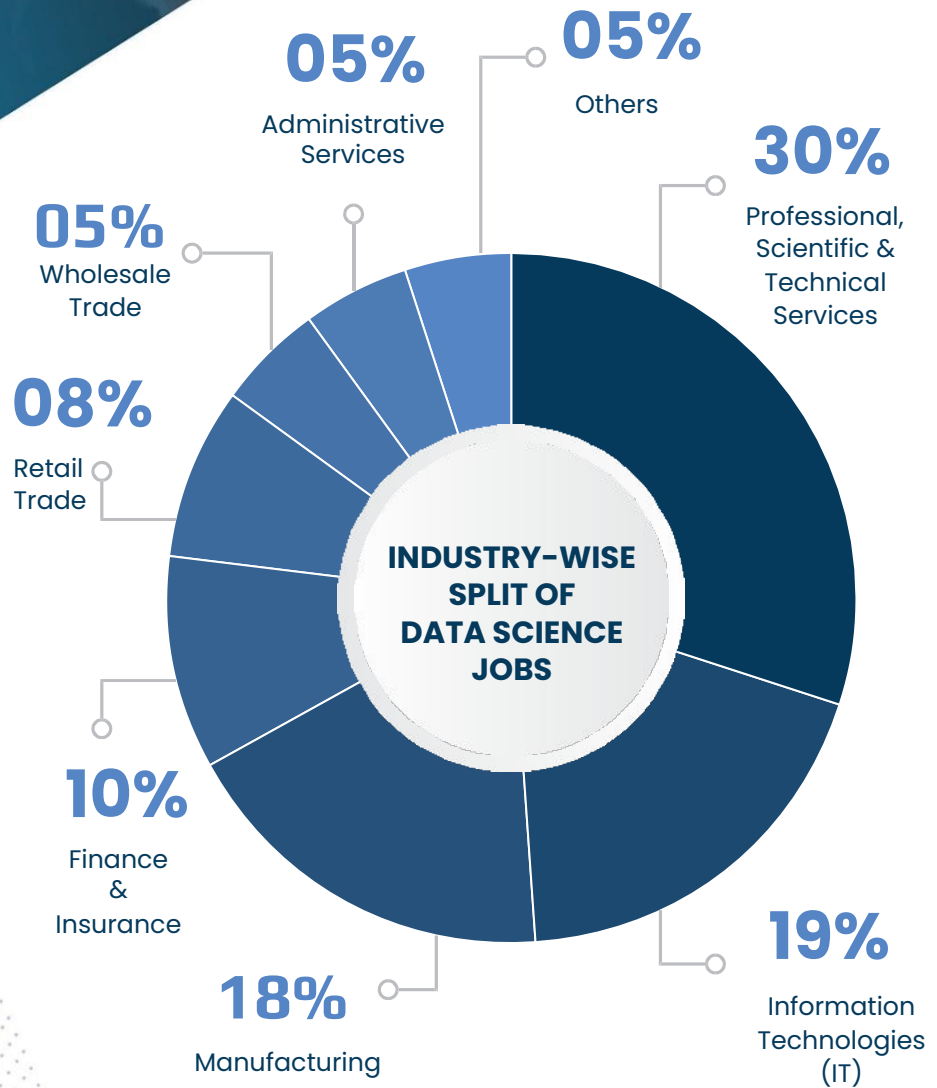


**DATA SCIENCE** Job  
Openings Globally  
With  
**TOP EMPLOYERS**

Source: Edvantic Analysis of various international studies on demand for data science professionals globally

# DATA SCIENCE JOBS

Data Science opportunities multiply as all business functions, industries, and sectors use more Data Science tools and software. Trained and certified professionals are required in large numbers to operate them effectively.



Source: Edvantic Analysis of various international studies on demand for data science professionals globally



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# Who could be an **ASSOCIATE BIG DATA ANALYST?**

ABDA™ will be a great choice for you if you love crunching numbers and are currently handling roles that involve research and analysis of data, or management of information, or managing information systems in an organization.

You can also opt for ABDA™ if you have completed or are completing your Bachelor's/ undergraduate degree in Information Systems, MIS, Computer Application, Management, Marketing, Statistics, Mathematics, Economics, or Applied Mathematics from any nationally or internationally accredited institution.

**Data analytics is a critical part of  
an organization's soul and its  
mission.**



# Global Network of DASCA CERTIFIED PROFESSIONALS



# THE CANDIDACY TRACKS

## Ways to Become an ABDA™

The following table summarizes the specifics of what it takes to become an ABDA™. There are THREE convenient tracks covering professionals from diverse backgrounds to earn the ABDA™.

ABDA™ Track 1	ABDA™ Track 2	ABDA™ Track 3
<b>Bachelor's Degree Holders</b>	<b>Associate Degree/ Diploma</b>	<b>via DASCA-recognized Institutions (QualiFly™)</b>
Minimum Qualification Required	Minimum Qualification Required	Minimum Qualification Required
Should have completed at least a <u>Bachelor's Degree</u> in Computer Science/ Mathematics/ Statistics/ Engineering/ Applied Sciences/ Economics/ Finance/ Management/ Social Sciences/ Information Systems/ Computer Application or related disciplines from any nationally or internationally accredited institution.	Should have completed an <u>Associate Degree/ Diploma</u> in Computer Science/ Mathematics/ Statistics/ Engineering/ Applied Sciences/ Economics/ Finance/ Management/ Social Sciences/ Information Systems/ Computer Application/ related disciplines from any nationally or internationally accredited institution.	Current & past students of Bachelor's <u>Degree</u> programs in Computer Science/ Mathematics/ Statistics/ Engineering/ Applied Sciences/ Economics/ Finance/ Management/ Social Sciences/ Information Systems/ Computer Application or related disciplines from any of the DASCA- accredited or recognized Institutions.
Minimum Work Experience	Minimum Work Experience	Minimum Work Experience
<u>Experience not Mandatory</u> ; basic proficiency in working with data/ Statistics/ Business Analytics/ RDBMS is desirable.	<u>Minimum 2 years</u> of experience of handling data analytics/ information systems or working with data/ information systems/ Statistics/ Business Analytics/ Business Intelligence/ RDBMS	<u>Experience not Mandatory</u> ; basic proficiency in working with data/ Statistics software/ Business Analytics/ spreadsheets is desirable.

# EXAM PREPARATION MATERIAL

Individuals registered for the ABDA™ credential are provided with the full DASCA Exam Preparation Kit to help them study and prepare for their ABDA™ Certification examination. This kit is provided to all registrants across the world after DASCA has approved their candidacy for ABDA™, and they have processed their payment of the program registration fee.

The DASCA official exam preparation resources provided to registered ABDA™ candidates include:

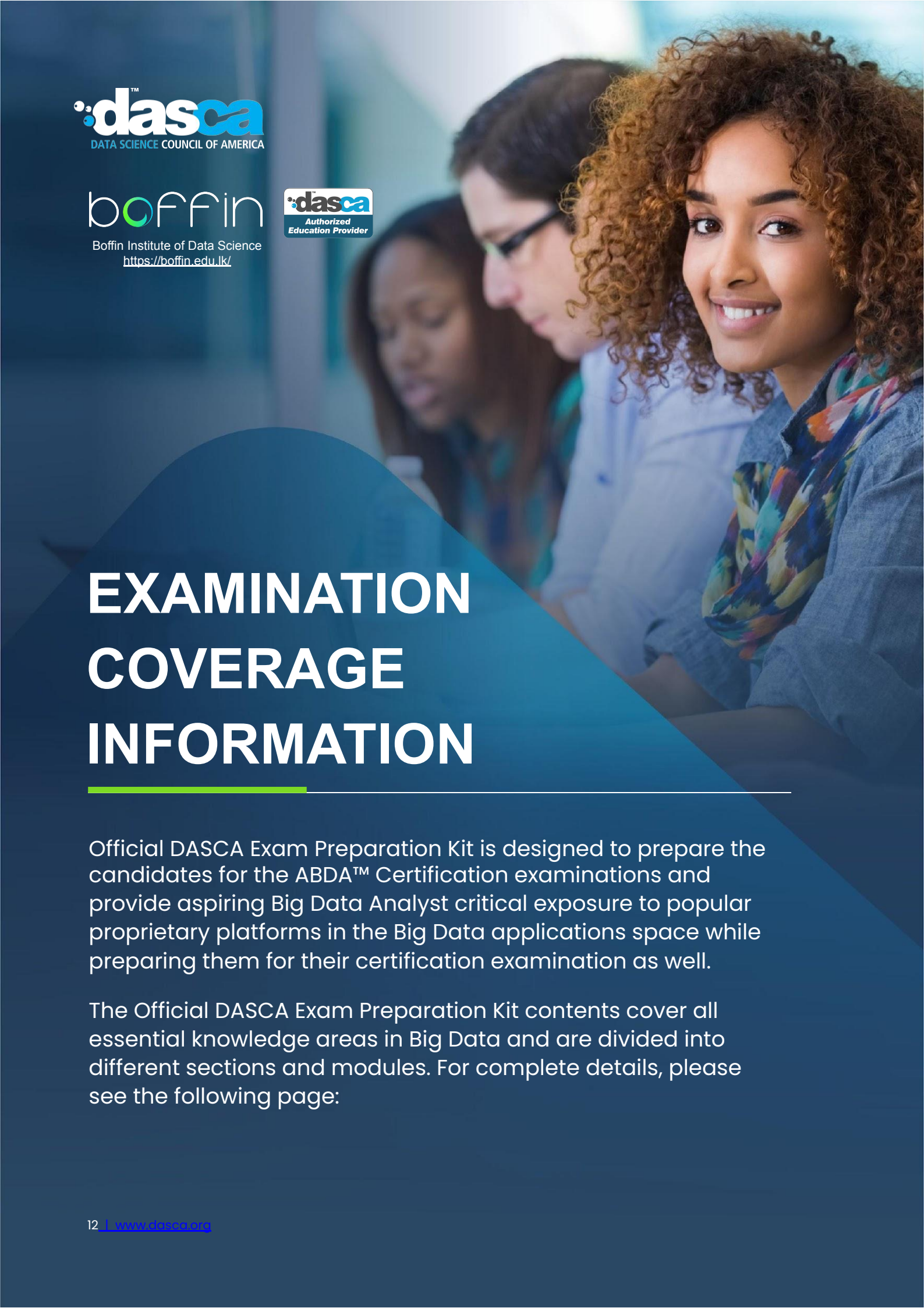
Print copy of the Handbook 1:  
**Foundations of Big Data Analytics**

Print copy of the Handbook 2:  
**Advanced Big Data Analytics**

Practice tests for ABDA™ exam on the myDASCA candidate dashboard

Exam preparation guide





# EXAMINATION COVERAGE INFORMATION

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Official DASCA Exam Preparation Kit is designed to prepare the candidates for the ABDA™ Certification examinations and provide aspiring Big Data Analyst critical exposure to popular proprietary platforms in the Big Data applications space while preparing them for their certification examination as well.

The Official DASCA Exam Preparation Kit contents cover all essential knowledge areas in Big Data and are divided into different sections and modules. For complete details, please see the following page:

# EXAMINATION COVERAGE INFORMATION

- |   |            |
|---|------------|
| <ul style="list-style-type: none"> <li> <b>Foundations of Data Science</b><br/>           Understanding the role of the data scientist; tapping the power of Python and R in making sense of data and deriving information and intelligence for decision-making.         </li> </ul>  | <b>15%</b> |
| <ul style="list-style-type: none"> <li> <b>The Mathematics of Data Science</b><br/>           Refreshing important quantitative techniques and tools deployed in data analytics and model optimization including Statistics, Linear Algebra, Probability and Calculus.         </li> </ul>  | <b>20%</b> |
| <ul style="list-style-type: none"> <li> <b>Dealing With Data</b><br/>           Understanding data types, data origination modes, streaming data; learning the frameworks of analyzing, managing and harnessing massive data using tools and applications like Python and R         </li> </ul>   | <b>15%</b> |
| <ul style="list-style-type: none"> <li> <b>Doing Data Analytics</b><br/>           Capturing, processing, sorting, classifying, analyzing, managing and harnessing big data using the Hadoop ecosystem; understanding the use of combination of tools like R, Python and MapReduce etc., in big data analytics         </li> </ul>  | <b>15%</b> |
| <ul style="list-style-type: none"> <li> <b>Data Visualization</b><br/>           Understanding the needs, building blocks and basic mechanisms of data visualization; using popular visualization applications like Tableau to visualize and present information results         </li> </ul>  | <b>18%</b> |
| <ul style="list-style-type: none"> <li> <b>Big Data in Machine Learning &amp; AI</b><br/>           Foundational concepts and framework of machine learning and artificial intelligence; understanding how big data analytics fires machine intelligence; using R and Python in ML and AI applications;         </li> </ul>   | <b>07%</b> |
| <ul style="list-style-type: none"> <li> <b>Business Implementation</b><br/>           Planning, design and implementation framework for big data analytics solutions in organizations; deploying R and Python in business-level data analytics; going to production with R         </li> </ul>  | <b>05%</b> |
| <ul style="list-style-type: none"> <li> <b>Implementing Analytics</b><br/>           Understanding of databases and data pipelines deployed in big data analytics; applications of document-oriented NoSQL database in high volume data storage and processing using MongoDB; fundamentals of messaging systems; Elasticsearch enterprise big data search; and big data processing on cloud         </li> </ul> | <b>05%</b> |

# THE ABDA™ CERTIFICATION PROCESS

-  01 Start by confirming your fit for ABDA™ and choosing one of the three registration tracks that suit you best. You can [check here](#) if ABDA™ certification meets your career needs and also that you satisfy the minimum candidacy/ eligibility requirements prescribed for ABDA™.
-  02 If you are eligible, the next step is to register with our next ABDA™ exam preparation course. If you wish to participate, [register with us](#) today.
-  03 Once your ABDA™ application is accepted and you have completed your fee payment, your registration in ABDA™ is deemed complete and a registration confirmation message is sent to you.
-  04 Within 72 hours of registration confirmation, instructions will be released to ship the DASCA exam-preparation kit containing the two Big Data Analytics handbooks to the mailing/ shipping address you have registered with us. Standard delivery time frame is 3-4 weeks.
-  05 Exam preparation course is delivered online (Google Meet) on Sundays for 16 weeks. Class duration is 4 hours. After course completion, you can register for the ABDA™ certification exam from your dashboard. DASCA gives ABDA™ candidates a period of 180 days from the date of registration confirmation to pass the ABDA™ certification exam.
-  06 Once you pass the ABDA™ certification exam and meet the other requirements prescribed by the DASCA Professional Certifications Board (DPCB), the award of the ABDA™ certification is approved for you. While the ABDA™ Digital Badge is released within 96 hours of the award approval, you can expect the physical ABDA™ credential kit (containing a printed ABDA™ certificate and the ABDA™ designation pin) to reach you within 3-4 weeks from the date of award.



## ABOUT DASCA

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The Data Science Council of America (DASCA) researches, designs, and builds platform-independent Data Science knowledge frameworks, standards, and credentials, and certifies individuals entering or working across the spectrum of emerging Data Science professions. The prime goal of DASCA today is to constantly strive to refine and optimize the numerous roles and jobs in the Big Data/ Data Science space into concrete, sharply defined professions.

DASCA credentials, approaches, initiatives, and programs work toward developing high-quality professionals to address squarely the challenging expectations of Data Science stakeholders internationally. Big Data Engineers, Big Data Analysts, and Data Scientists credentialed by DASCA form the world's top-tier data science professionals.

### Data Science Council of America

For further queries, please write to us at [info@dasca.org](mailto:info@dasca.org)

Connect with us



## ABOUT BOFFIN

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Boffin Institute of Data Science is a DASCA Authorized Education Provider in Sri Lanka. The institute started in June 2020 with the vision of becoming the leading knowledge partner for Data Science in the corporate and academic sector in the region.

Currently, we have delivered several training programs for business professionals and corporates. Most of our participants are from the areas of Finance, Supply Chain, IT, Marketing, and Management.

In striving toward our development goals, we are delighted to offer the DASCA Certifications to the business professionals in Sri Lanka.

[Read more about our partnership with DASCA.](#)

### Boffin Institute of Data Science

For further queries, please write to us at [info@boffin.eu.com](mailto:info@boffin.eu.com)

Connect with us

