DASCA
DATA SCIENCE COUNCIL OF AMERICA

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Boffin Institute of Data Science
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Education Provider

SBDA™
SENIOR
BIG DATA ANALYST
DATA SCIENCE COUNCIL OF AMERICA

Take the Fastest and Surest Route to High-Growth Career of Analytics

Become a Certified

SENIOR BIG DATA ANALYST (SBDA™)

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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 SBDA™ is a credible third–party, vendor–neutral certification for professionals wanting to accelerate their growth in Big Data analytics. You can trust the internationally accepted and recognized SBDA™ Credential to prove best your proficiency, potential, and promise for managing the most challenging Big Data analytics problems.

If you are an aspiring data specialist looking to build longer-lasting sets of skills and a more in-depth Big Data perspective, then investing in a data analytics certification would be the best bet for you!

BUILD YOUR DATA ANALYTICS CAREER WITH DASCA'S

BIG DATA ANALYTICS CERTIFICATION.

Why SBDA™

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.

SBDA™ is among the most prized credentials today for seasoned professionals coming from diverse work and academic backgrounds that differentiate you strongly from your peers and set you up for senior, more complex, and professionally exciting roles in big data analytics.

DASCA - certified professionals can work across all popular, advanced, old, or new data analytics, and big data applications development platforms, technologies, tools, use-cases, and user industries.
DASCA credentials are incomparably valuable for job seekers as, unlike 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?

WORLD DATASCIENCE INITIATIVE

DASCA is the prime sponsor of WDSI

DATA SCIENCE DEGREE PROGRAMS GUIDE

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

>hackr.io

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

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KDnuggets

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

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IntelliPaat

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

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indeed®

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

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CIO

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.
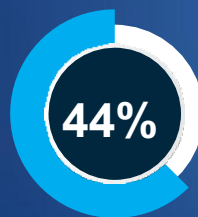
They are seeking out opportunities to implement data analysis into their business processes and share data success stories across the organization, - Gartner reports.
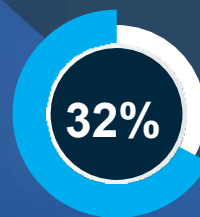
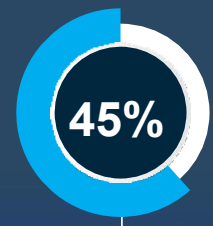**TODAY,**
79%
OF COMPANIES USE ANALYTICS.

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

44%
Operational cost savings

32%
Sales improvement

45%
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.

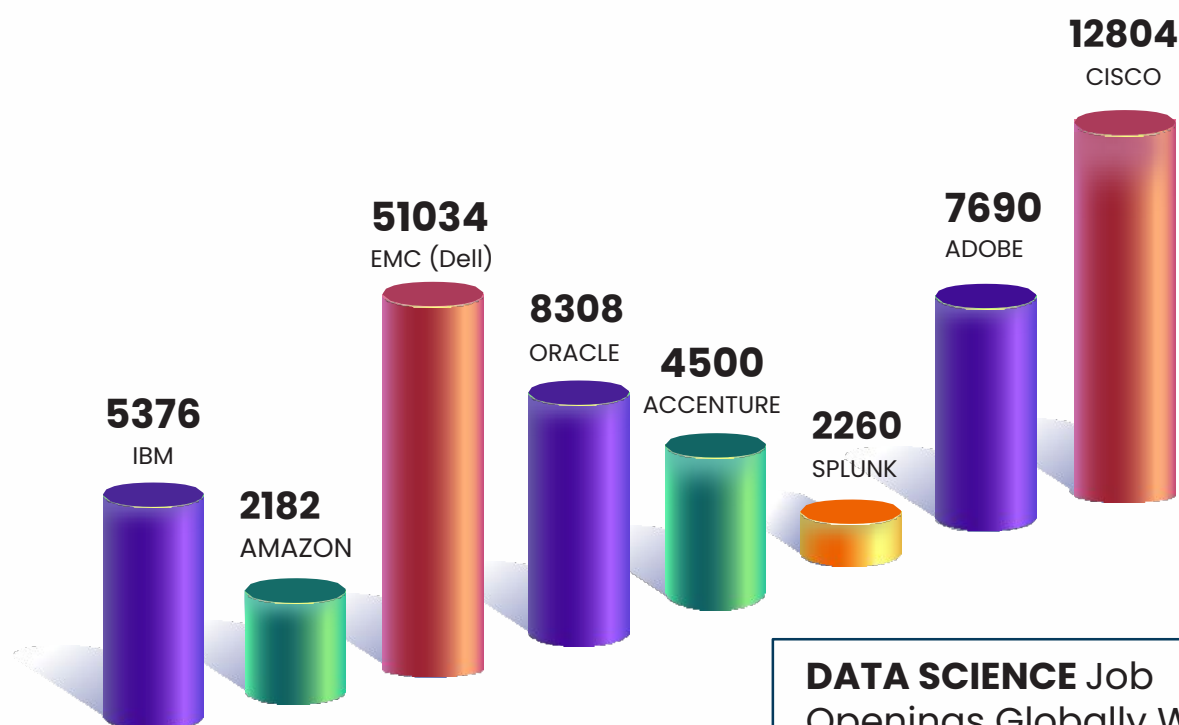Get certified with **DASCA's Big Data Analytics Certification!**

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.
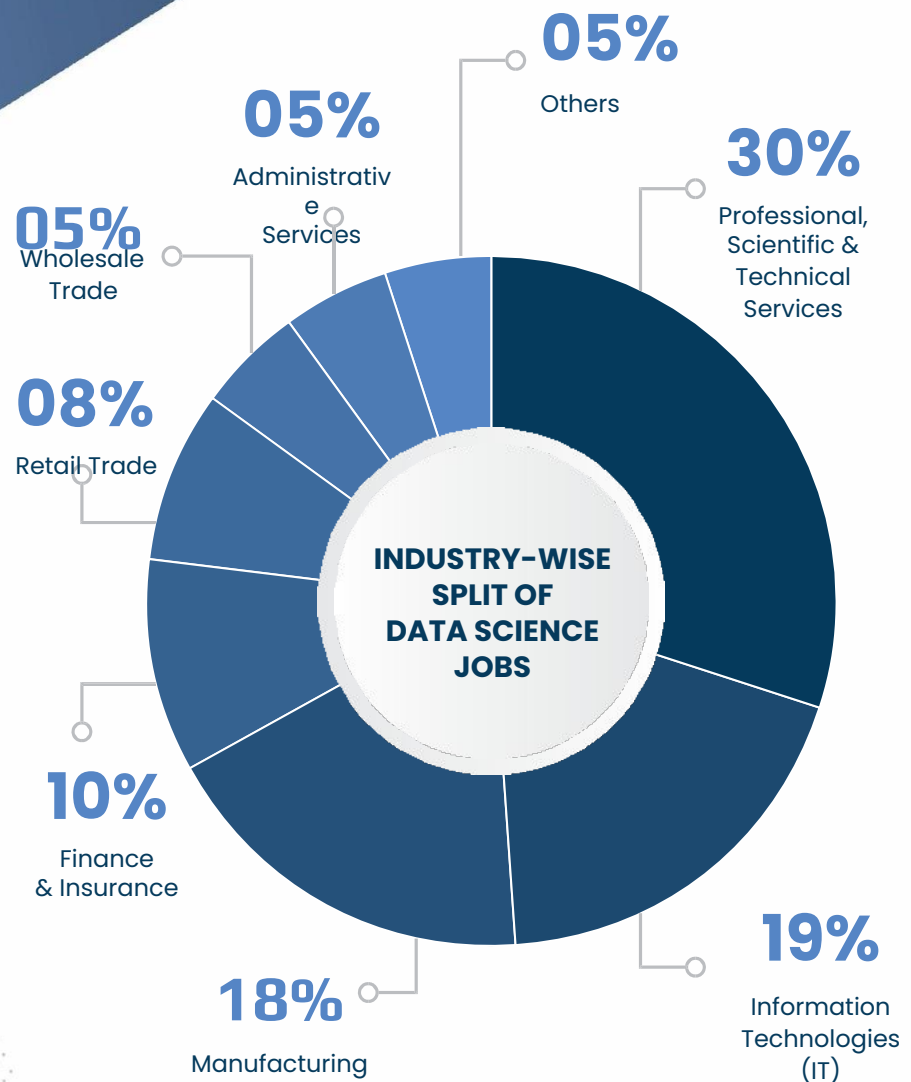
12804
CISCO

51034
EMC (Dell)

7690
ADOBE

8308
ORACLE

5376
IBM

4500
ACCENTURE

2260
SPLUNK

2182
AMAZON

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.

INDUSTRY-WISE SPLIT OF DATA SCIENCE JOBS

- **05%** Others
- **05%** Administrative Services
- **05%** Wholesale Trade
- **08%** Retail Trade
- **30%** Professional, Scientific & Technical Services
- **10%** Finance & Insurance
- **18%** Manufacturing
- **19%** Information Technologies (IT)

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

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Who could be a
SENIOR BIG
DATA ANALYST?

SBDA™ is the qualification for you if you are currently handling roles that involve setting up data analytics operations in an organization, or research,
analysis and visualization of data, or management of information, or managing information systems in an organization.

You must also have at least a Bachelor's/ undergraduate degree in Information Systems/ MIS/ Computer Application/ Management/ Statistics/ Mathematics/ Economics/ Applied Mathematics from a nationally or an internationally accredited/ recognized 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 SBDA™

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

SBDA™ Track 1	SBDA™ Track 2	SBDA™ Track 3	SBDA™ Track 4
Bachelor's Degree	Master's Degree	Bachelor's Degree (via DASCA-Recognized Institutions (QualiFLY™)	Master's Degree (via DASCA-Recognized Institutions (QualiFLY™)
Minimum Qualification Required	Master's Degree	Minimum Qualification Required	Minimum Qualification Required
Should have completed a Bachelor's Degree in Computer Science/ Mathematics/ Statistics/ Engineering/ Applied Sciences/ Economics/ Finance/ Management/ Social Sciences/ Computer Application/ Information Systems or related disciplines from any nationally or internationally accredited institution.	Should have completed a Master's Degree in Computer Science/ Mathematics/ Statistics/ Engineering/ Applied Sciences/ Economics/ Finance/ Management/ Social Sciences/ Computer Application/ Information Systems or related disciplines from any nationally or internationally accredited institution	Should have completed a Bachelor's Degree in Computer Science/ Mathematics/ Statistics/ Engineering/ Applied Sciences/ Economics/ Finance/ Management/ Social Sciences/ Computer Application/ Information Systems or related disciplines from any of the DASCA- accredited or DASCA- recognized Institutions	Current & past Students of Master's Degree programs in Computer Science/ Mathematics/ Statistics/ Engineering/ Applied Sciences/ Economics/ Finance/ Management/ Social Sciences/ Computer Application/ Information Systems or related disciplines from any of the DASCA- accredited or DASCA- recognized Institutions
Minimum Work Experience	Minimum Work Experience	Minimum Work Experience	Minimum Work Experience
Minimum 2 years of experience in working with data/ Statistics/ Business Analytics/ Business Intelligence/ Computing	Minimum 1 year of experience in working with data/ Statistics/ Business Analytics/ Business Intelligence/ Computing	Minimum 1 year of experience in working with data/ Statistics/ Business Analytics/ Business Intelligence/ Computing	Experience not Mandatory; basic proficiency in working with data/ Statistics/ Business Analytics/ Business Intelligence/ Computing is desirable

EXAM PREPARATION MATERIAL

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

The DASCA official exam preparation resources provided to registered SBDA™ 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 SBDA™ exam on the myDASCA candidate dashboard

Exam preparation guide

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EXAMINATION COVERAGE INFORMATION

Official DASCA Exam Preparation Kit is designed to prepare the candidates for the SBDA™ 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

- **Foundations of Data Science**   **15%**

  Framework of data science functions and tools; applying Python and R in making sense of data and deriving information and intelligence for decision-making.

- **The Mathematics of Data Science**   **15%**

  Applying important quantitative techniques and tools deployed in data analytics and model optimization including Advanced Statistics, Linear Algebra, Probability and Calculus; Data shape and relationships.

- **Dealing With Data**   **12%**

  Segregating and classifying data types; tackling data from varying sources; handling streaming and voluminous data; analyzing, managing and harnessing massive data using tools and applications like Python and R

- **Doing Data Analytics**   **18%**

  Framework of computing using Hadoop; developing data models; 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

- **Data Visualization**   **12%**

  Analyzing data visualization use-cases; choosing optimal data visualization models using popular visualization applications like Tableau to visualize and present information results

- **Big Data in Machine Learning and Ai**   **10%**

  Scenarios and cases of applying big data analytics in machine learning and artificial intelligence; applying big data analytics models in ML and Ai systems; advanced R and Python deployment in ML and AI applications

- **Business Implementation**   **08%**

  Planning, designing and implementing big data analytics solutions in organizations; deploying R and Python in business-level data analytics; going to production with R

- **Implementing Analytics**   **10%**

  Choosing storage tools for streaming massive data and data pipelines; applications of document-oriented NoSQL database in high volume data storage and processing using MongoDB; using messaging systems; deploying techniques of Elasticsearch enterprise big data search; and big data processing on cloud

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THE SBDA™ CERTIFICATION PROCESS

01 Start by confirming your fit for SBDA™ and choosing one of the four registration tracks that suit you best. You can check here if SBDA™ certification meets your career needs and also that you satisfy the minimum candidacy/ eligibility requirements prescribed for SBDA™.

02 If you are eligible, the next step is to register with our next SBDA ™ exam preparation course. If you wish to participate, register with us today.

03 Once your SBDA™ application is accepted and you have completed your fee payment, your registration in SBDA™ 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 18 weeks. Class duration is 4 hours. After course completion, you can register for the SBDA™ certification exam from your dashboard. DASCA gives SBDA™ candidates a period of 180 days from the date of registration confirmation to pass the SBDA™ certification exam.

06 Once you pass the SBDA™ certification exam and meet the other requirements prescribed by the DASCA Professional Certifications Board (DPCB), the award of the SBDA™ certification is approved for you. While the SBDA™ Digital Badge is released within 96 hours of the award approval, you can expect the physical SBDA™ credential kit (containing a printed SBDA™ certificate and the SBDA™ designation pin) to reach you within 3-4 weeks from the date of award.

ABOUT DASCA

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

Connect with us

ABOUT BOFFIN

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.

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