DSA System Certificate

Background

Data has become one of the most critical assets in today's economy, leading to fervent business demand for services in data analysis, data mining and big data systems. According to McKinsey, the United States alone could face a shortage of 140,000 to 190,000 data analysts and 1.5 million data-savvy managers by 2018. From this demand though, is an incredible challenge for companies to hire the right candidates for their business problems, especially when each industry has such niche intricacies for their data. To address this, there is a need for standardizing assessment of data professional's skill sets. As such, Data Science Association has partnered with Silicon Valley's experts, top universities and professionals to set standards for data professionals in all industries.

Certification Exam

Data Professionals refers to individuals that demonstrate multidisciplinary skills of data collection, cleaning, processing, analyzing to support business decision making. They are most commonly demanded from industries in IoT, retail, finance, telecommunications, healthcare, tourism and many others. It is difficult to set a one standard for all data professionals due to the various definitions of data and required hard skills in each industry. Therefore, Data Science Association has developed a series of certificates based on the type of application the skill set applies to. The goal is to set personnel standards by creating a systemized testing system to provide baseline references for all industries.

Testing Standards

Python Data Analyst

Individuals who have basic science background. It is best suited for those with the capability of leveraging applied science with Python or other programming languages. Participants should be able to utilize these skill sets to conduct data analysis and generate data visualization reports based on different business scenarios.

Recommender System

Individuals with 1+ year data science related experience or equivalent knowledge in data science fundamentals. Certified professionals are capable of leveraging data science with Python and other programming languages. They will be able to implement successful data products through assessing and designing recommendation systems and build accurate data models based on different business scenarios.

Natural Language Processing

Individuals with one year or above natural language processing related work experience or some natural processing language foundation knowledge. Able to master and apply existing knowledge to build proper natural processing language models by using suitable processing methods based on different language materials and background with a combination of computing languages such as Python and related analysis tools.

Application Requirements

1. Candidates without a bachelor's degree require minimum 3 years of data related work experience.
2. Candidates with bachelor's degree or higher degree require minimum 1 year of data related work experience.
3. Candidates with bachelor degree and participated in an approved data training bootcamp with outstanding performance.

Exam Format

The test will be conducted online and scored by examiners. Results will be available one week after the test.

Exam Topics

Varies on the type of certificate.

Exam Fees

$ 500

Application Process

Online Registration → Submit Information → Select Exam → Make Payment → Application Success

Grading Standards

The grading is based on a pass or no pass system. A minimum score of 80% is required to pass the test and receive the verified certificate.

Certification Benefits

1. Become a member of Data Science Association and have events registration priority over other non-member participants.

2. Have the priority to receive employee referral and career development opportunities
3. Enjoy special discounts to conferences, seminars and other events hosted by Data Science Association
4. Can join Data Science project team and participate in project partnership
5. Other benefits based on activity announcements