HAWKINS University

MASTER'S IN DATA SCIENCE

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ABOUT HAWKINS UNIVERSITY

Welcome to Hawkins University, established to train individuals passionate about soaring high, achieving heights, and fulfilling their dreams. We founded Hawkins to provide exemplary education to individuals worldwide. We successfully established the university in Austin, Texas. We firmly believe in the power of education to change people's lives and communities worldwide. As one of the unique universities, we take immense pride in providing a vibrant, innovative atmosphere where students can maximize their potential.

Our modern amenities and the latest technological advances form an inspiring environment for teaching and learning. Our campus has advanced facilities, including avant-garde research labs, modern lecture halls, and collaborative learning spaces. These resources ensure our students can access the most recent techniques and instruments to facilitate their academic pursuits.

MISSION

At Hawkins University, our mission is to provide an innovative education experience that encourages students to become global leaders and innovators. We are dedicated to promoting a welcoming community and conducting research that significantly impacts global concerns. We also prepare our graduates to excel in their chosen fields and to become leaders, innovators, and responsible global citizens.

Our ultimate goal is to provide students with affordable online degrees with the best possible resources. Our mission to train students through contemporary global approaches is a fit for your promising career ahead. Our goal at Hawkins University is simple: to change the world by educating the coming generations to ensure everyone can achieve their maximum potential. We invite you to join us on this journey of exploration, development, and endless possibilities.

Let's create a better tomorrow!

VISION

We at Hawkins aspire to become a premier international institution of higher learning known for excellence in education, research, and community engagement. We are thrilled about setting up an ambiance that positively impacts students' lives and upskills them. We seek to address challenging situations while establishing a better tomorrow for future generations by creating a culture that encourages collaboration and discovery. Furthermore, we aim to motivate the next generation of leaders to tackle the upcoming challenges and impact society through groundbreaking studies, practical training, and collaborative partnerships.

PROGRAM HIGHLIGHTS

1-Year Online Program

Perfect for working individuals

No Entrance Required

Global Networking Possibilities

Exceptionally Skilled Industry Expert Instructors

Focused Curriculum

Individual Mentorship

Practical Learning Approaches

PROGRAM OBJECTIVES

Develop Cutting-edge Analytical Skills - Students will develop complex statistical knowledge and solid analytical skills during an online master's degree in data science. They will apply various techniques and algorithms to find patterns and solutions in huge databases. They will also master tools like Python, R, and SQL, essential for effectively tackling real-world data challenges through data manipulation, cleaning, and analysis.

Boost Communication and Collaboratio -In Data Science, assertive communication plays a significant role. We at Hawkins train students to present their discoveries apparently to a non-technical audience, which makes complex data insights available.

PROGRAM OBJECTIVES

opportunities to students to work on collaborative projects, which help them develop teamwork skills and prepare them to handle versatility and express their ideas in a business environment efficiently.

Strengthen Programming Concepts -Students will gain programming expertise in trending essential programming languages like Python and R, which will help them develop strong coding skills during the Masters in Data Science. This foundation allows students to contribute to developing creative data solutions, automate data processes, construct custom analytical tools, and build their analytical tools.

PROGRAM OBJECTIVES

Gain Proficiency in Data Tools and Technologies

-Data Science Masters programs online aim to make students proficient in essential data tools and technologies. Programming languages like Python and R, database management systems like SQL, and big data platforms like Hadoop are parts of the program. This will allow students to manage, analyze, and visualize data efficiently.

■ ELIGIBILITY

- Bachelor's degree in Mathematics, Statistics, or Computer Science with at least **50%** from an **accredited university**.

- No age bar
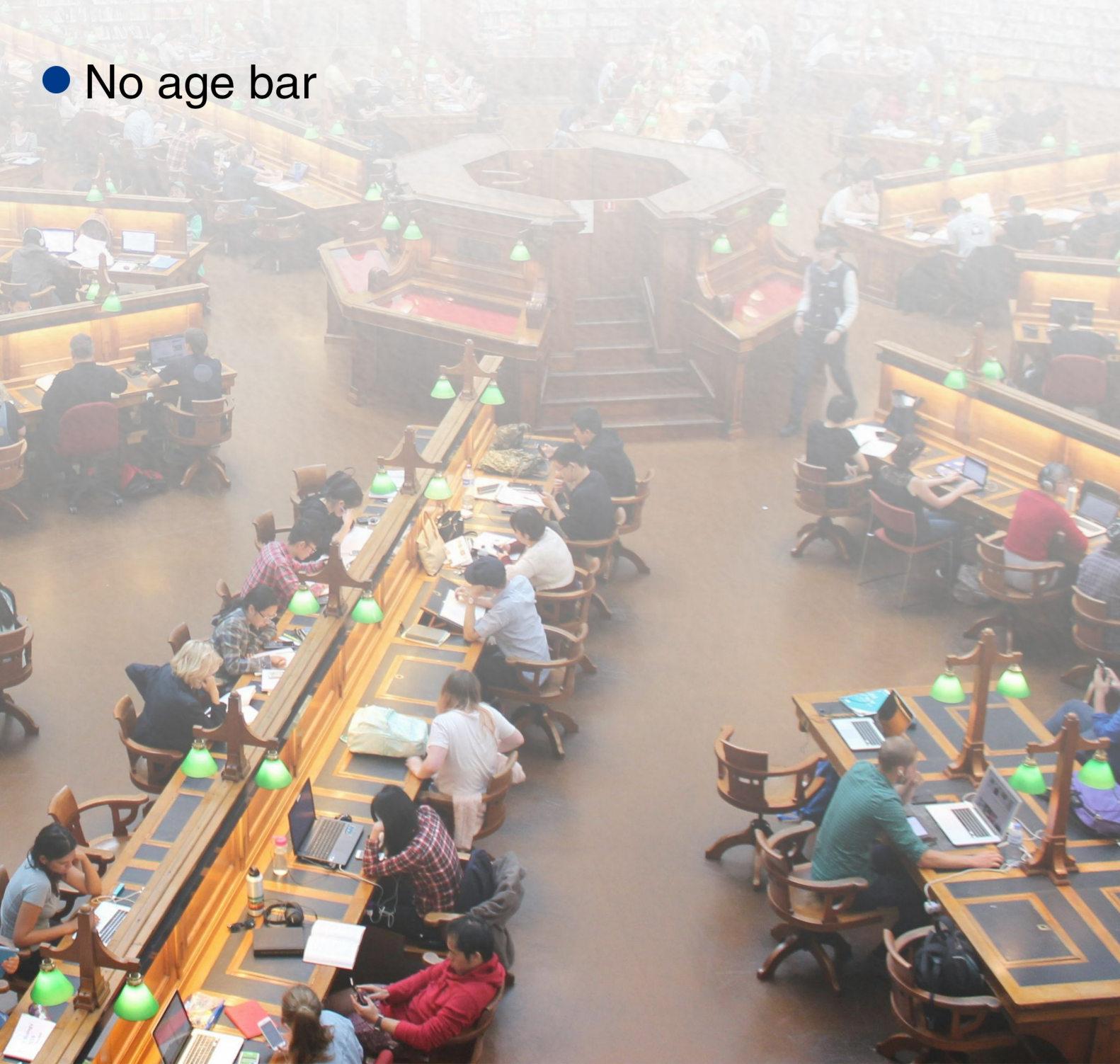
PROGRAM CURRICULUM

● **Python Programming—**
Python programming is essential to the Masters in Data Science curriculum. It covers the basics and advanced concepts of Python, a robust programming language used in Data Science. Students will gain knowledge of libraries like Pandas, NumPy, and Scikit-learn, which are vital for data manipulation, statistical analysis, and machine learning. At the end of this course, students will become proficient in creating Python Scripts for data analysis and machine learning models.

● **Data Base Management System—**
This will focus on the design and implementation of databases. Students will gain data modeling, normalization, and query optimization skills with the help of SQL and NoSQL databases. It also focuses on practical applications in which students learn to create and manage robust databases, essential for any data-driven organization, as they can store and retrieve large volumes of data.

● **R Programming—**
R programming is another essential curriculum component highly considered for statistical computing and graphics. It helps familiarize students with R syntax, data structures, and critical packages such as ggplot2 and dplyr. Students will learn statistical analysis and make data visualizations. They will also learn to use R to solve arising data science problems through hands-on practice.

PROGRAM CURRICULUM

- **Exploratory Data Analysis(EDA)—**
  EDA is crucial in data science. It focuses on summarizing the main characteristics of datasets. Students will learn data cleaning, transformation, and visualization methods to find patterns and observations. Python and R will be used to conduct EDA. Making decisions based on data and preparing data for better analysis are emphasized in this section, which also covers utilizing Python and R for EDA.

- **Machine Learning—**
  This section will provide a comprehensive introduction to the principles and techniques used in machine learning. It will cover supervised and unsupervised learning, including regression, classification, clustering, and dimensionality reduction. Students will also learn about model evaluation metrics and the best practices for building accurate and robust models during the Data Science Masters Programs online.

- **Machine Learning Model Deployment—**
  Using machine learning models is essential for making them more accessible and useful in real-world applications. Students will learn about deployment strategies, tools, and frameworks like Flask, Docker, and Kubernetes. They will also learn to adapt best practices for tracking, constructing, and maintaining models that students can use in real-world applications.

PROGRAM CURRICULUM

● **Artificial Intelligence—**
Artificial Intelligence (AI) is leading in technological innovation. Students will gain knowledge of concepts like neural networks, deep learning, and natural language processing. The curriculum will also comprise ethical considerations and the societal impact of AI. Concludingly, students will become experts in performing tasks like image recognition, language translation, and more.

Data Visualization Using Tableau/Power BI—
● Data Visualization using Tableau/Power BI prepares students with skills to create compelling visualizations and interactive dashboards. Students will learn how to present complex data clearly and understandably, making the data accessible to partners.

Capstone Project—
The Capstone Project represents completing the Master's in Data Science program, where students can apply their
● knowledge in real-world scenarios. The project concludes with developing a comprehensive report and presentation, which includes identifying problems, collecting data, analyzing it, and implementing solutions.

Why Master's in Data Science from Hawkins University?

Advanced Curriculum—

The curriculum has been updated to align with industry demands and standards. It comprises all the essential elements required to utilize data smoothly.

Industry-Experienced faculty—

The faculty members here have years of experience and are experts in their fields. They create an interactive study atmosphere, even in online classes.
 utilize data smoothly.

Complete online program—

For the convenience of students, Hawkins provides an online master's degree in data science that makes getting a degree more accessible. Students can access the classes with a few clicks while sitting in their comfort zones.

Practical approach—

Students get opportunities to engage in projects, which enhances their practical skills. The faculty member helps students throughout their journey. The program enables students to apply their theoretical knowledge in practical settings confidently.

No entrance exam required—

This is a win-win for students who want to pursue this degree course without the need to appear in any entrance exam. At Hawkins University, we believe in providing equal opportunities for all aspiring students; hence, no entrance exam is held to admit students to the program.

No residency required—

Hawkins does not require residency verification from the students, making the admission process of the Data Science Masters programs effortless. This policy allows you to pursue your degree from anywhere worldwide and maintain a work-life balance.

CAREER OPPORTUNITIES

ROLES OFFERED

ROLES OFFERED

1 Analytics Consultant

2 Manager Analyst

3 Data Analyst/ Scientist

4 Data Engineer

5 ML/AI Engineer

6 Reporting Analyst

7 Research Executive

8 Statistician

FREQUENTLY ASKED QUESTIONS (FAQS)

What fundamental topics are included in the program?

The program covers the essential fundamental topics of data mining, machine learning, big data technologies, database management systems, and data visualization. These will allow you to efficiently express data insights, build predictive models, and manage large datasets.

What is the importance of programming knowledge for Data Science Masters Programs?

Programming knowledge is crucial for a Data Science Master's program. Students must be proficient in programming languages such as Python and R. These languages are essential for manipulating, analyzing, and creating customized analytical tools.

What are the career prospects after an online master's degree in data science from Hawkins University?

The career prospects after completing the Data Science Masters programs online degree program are lucrative. Graduates can work in various roles, such as Data Scientist, Data Analyst, Machine Learning Engineer, Business Intelligence Analyst,

FREQUENTLY ASKED QUESTIONS (FAQS)

Data Engineer, and Research Scientist. You will manage data infrastructure in these jobs, analyze it, and create visualizations.

How can students gain practical experience in Data Science Masters Programs Online?

Students can gain practical experience through a capstone project and an internship. The capstone project will help students gain valuable exposure to a real-world data science environment in collaboration with industry partners. The internship will provide hands-on skills in a professional setting, allowing students to practically practice what they have learned in class during an online master's degree in data science.

THANK YOU

Address -
5900 Balcones Drive, Suite 100, Austin, Texas, 78731

Mail ID -
support@hawkinsuniversity.com

Website -
www.hawkinsuniversity.com