The Department of Mathematics, at the University of Houston offers a Master Program in Statistics and Data Science.

Forbes lists “data scientist” as one of its top 10 jobs (with the largest hiring growth) for 2019. It offers great job opportunities for students who understand how to analyze large data sets and have acquired advanced computational skills to discover hidden relationships between high dimensional data. The innovative algorithms and softwares developed for big data analytics in the last decade impact on many areas, from economics, marketing, finance, and engineering to healthcare, biology, biomedicine, environment, and social sciences. Former students are working in the Customer Relations, Auditing, Medical, and Oil-gas industries. Current students are interning in artificial intelligence, biological/medical research, data science, and oil-gas industries.

Aims of the MSDS program:

- Build a solid foundation in applied statistics, and provide rigorous principles to guide statistical inference.
- Learn fundamental skills, key software and tools for machine learning and big data analytics.
- Gain hands-on experience in case-studies with real-world problems led by professionals in the data science industry.
- Practice problem-solving skills through summer internships to analyze data in biomedical, commercial, and industrial environments.

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