Data Science

The Bachelor of Science in Data Science studies the collection, manipulation, storage, retrieval, and computational analysis of data in its various forms including numeric, textual, image, and video data from small to large volumes. The program combines computer science, information science, mathematics, statistics, and probability theory into an integrated curriculum that is designed to prepare students for careers or graduate studies in Big Data analysis, data science, and data analytics. The coursework covers exploratory data analysis, data manipulation in a variety of programming languages, large-scale data storage, predictive analytics, machine learning, data mining, and information visualization and presentation. Data science has emerged as a discipline due to the confluence of two major events:

1. The ability to collect, store, prune, process, and transmit large amounts of data in the cloud
2. The convergence of programming, statistics, artificial intelligence, and visualization as complementary tools for the analysis and understanding of data

Programs

Bachelor of Science (BS)

- Data Science (https://catalog.northeastern.edu/undergraduate/computer-information-science/data-science/data-science-bs/) (Boston)

Minor

- Data Science (https://catalog.northeastern.edu/undergraduate/computer-information-science/data-science/data-science-minor/)