

Data Science

DATA-180. Fundamentals Of Data Science. 4 Hours.

Fundamentals of data science considers data from three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze that data to understand that phenomenon? The course teaches critical concepts and skills in computation and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and data from social networks. The course delves into social, ethical, and legal issues surrounding data analysis, including privacy and data ownership. Counts for either SB or NSL GenEd credit.