



Department of Computer Science

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CSE351

Course	CSE351
Title	Introduction to Data Science
Credits	3
Course Coordinator	Pravin Pawar
Description	This multidisciplinary course introduces both theoretical concepts and practical approaches to extract knowledge from data. Topics include linear algebra, probability, statistics, machine learning, and programming. Using large data sets collected from real-world problems in areas of science, technology, and medicine, we introduce how to preprocess data, identify the best model that describes the data, make predictions, evaluate the results, and finally report the results using proper visualization methods. This course also teaches state-of-the art tools for data analysis, such as Python and its scientific libraries.
Prerequisite	C or higher: CSE 214 or CSE 260; AMS 310; CSE major.
Course Outcomes	
Textbook	
Major Topics Covered in Course	
Laboratory Projects	
Course Webpage	CSE351

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