# Data Analytics FAQs

Data Analytics is the practice of using data to drive strategy and decision-making. Data analysts use cutting-edge statistical and technological tools to discover trends and predict outcomes in nearly every sphere of contemporary life. The interdisciplinary Data Analytics major program draws upon core courses in computer science, statistics, mathematics, communication, and writing; in addition, every Data Analytics student selects a "domain" of study, which serves both as an area of application for data analysis and as a framework that informs the data modeling process. The defining characteristic of the Data Analytics major is the explicit emphasis that statistical, computational, and domain-specific knowledge jointly contribute to effective data analysis. Hence, the purpose of the Data Analytics major is three-fold: (a) to equip students with the statistical and computational tools to conduct meaningful data analyses; (b) to provide students with the disciplinary-specific context to articulate and comprehend the meaningful data analytic questions within a domain; and (c) to encourage students to develop their skills to effectively communicate data-driven insights.

A domain is a context for data analysis. A domain serves as an area of application for computational and statistical analysis; however, a domain also provides an analytical framework that informs and influences the data modeling process. Thus, a domain provides a lens for data analysis, enabling students to articulate and understand meaningful and substantive qu-Ⓒ(u)-⓪⑨)-3. (s)-4 us, American Politics, Biology, Ch