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Carson Engineering Center (CEC) Room 119 (subject to change)

## Computer Science 5093

## Visual Analytics

the science of analytical reasoning facilitated by interactive visual interfaces

Analytic reasoning is a process that encompasses perception, cognition, discourse, and collaboration. This course considers methods and tools that support analytic reasoning by combining human visual capabilities with computational devices and algorithms. Topics include data representation and transformation, data mining and knowledge discovery, visual representation and interaction, sense-making, production and dissemination of knowledge, and the challenges that information complexity and scalability pose for the very human process of reasoning.

