However, data science is different from computer science and information science. Cleveland. In 1996, the International Federation of Classification Societies became the first conference to specifically feature data science as a topic. In 2014, the American Statistical Association's Section on Statistical Learning and Data Mining changed its name to the Section on Statistical Learning and Data Science, reflecting the ascendant popularity of data science. In summary, data analysis and data science are distinct yet interconnected disciplines within the broader field of data management and analysis. A decade later, they reaffirmed it, stating that "the job is more in demand than ever with employers". In addition to statistical analysis, data science often involves tasks such as data preprocessing, feature engineering, and model selection. For example, a data analyst might analyze sales data to identify trends in customer behavior and make recommendations for marketing strategies. Davenport and DJ Patil declared "Data Scientist: The Sexiest Job of the 21st Century", a catchphrase that was picked up even by major-city newspapers like the New York Times and the Boston Globe. He describes data science as an applied field growing out of traditional statistics. In 1962, John Tukey described a field he called "data analysis", which resembles modern data science. Jeff Wu again suggested that statistics should be renamed data science. F. Data science also integrates domain knowledge from the underlying application domain (e.g., natural sciences, information technology, and medicine). Data science is an interdisciplinary field focused on extracting knowledge from typically large data sets and applying the knowledge and insights from that data to solve problems in a wide range of application domains. Data science also integrates domain knowledge from the underlying application domain (e.g., natural sciences, information technology, and medicine). He describes data science as an applied field growing out of traditional statistics. During the 1990s, popular terms for the process of finding patterns in datasets (which were increasingly large) included "knowledge discovery" and "data mining". Data science is a "concept to unify statistics, data analysis, informatics, and their related methods" to "understand and analyze actual phenomena" with data. A decade later, they reaffirmed it, stating that "the job is more in demand than ever with employers". This can involve tasks such as data cleaning, data visualization, and exploratory data analysis to gain insights into the data and develop hypotheses about relationships between variables. In 1962, John Tukey described a field he called "data analysis", which resembles modern data science. In 2015, the American Statistical Association identified database management, statistics and machine learning, and distributed and parallel systems as the three emerging foundational professional communities. The professional title of "data scientist" has been attributed to DJ Patil and Jeff Hammerbacher in 2008.