

Data scientists are often responsible for collecting and cleaning data, selecting appropriate analytical techniques, and deploying models in real-world scenarios. Andrew Gelman of Columbia University has described statistics as a non-essential part of data science. He describes data science as an applied field growing out of traditional statistics. The term "data science" has been traced back to 1974, when Peter Naur proposed it as an alternative name to computer science. Cleveland. In 2012, technologists Thomas H. In 2003, Columbia University launched The Journal of Data Science. However, data science is different from computer science and information science. In a 2001 paper, he advocated an expansion of statistics beyond theory into technical areas; because this would significantly change the field, it warranted a new name. Data science, on the other hand, is a more complex and iterative process that involves working with larger, more complex datasets that often require advanced computational and statistical methods to analyze. F. Data scientists often work with unstructured data such as text or images and use machine learning algorithms to build predictive models and make data-driven decisions. After the 1985 lecture at the Chinese Academy of Sciences in Beijing, in 1997 C. Both fields play vital roles in leveraging the power of data to understand patterns, make informed decisions, and solve complex problems across various domains. In 2003, Columbia University launched The Journal of Data Science. The modern conception of data science as an independent discipline is sometimes attributed to William S. Jeff Wu again suggested that statistics should be renamed data science. Data analysts typically use statistical methods to test these hypotheses and draw conclusions from the data. Data science and data analysis are both important disciplines in the field of data management and analysis, but they differ in several key ways. Vasant Dhar writes that statistics emphasizes quantitative data and description. Both fields play vital roles in leveraging the power of data to understand patterns, make informed decisions, and solve complex problems across various domains. Jeff Wu again suggested that statistics should be renamed data science. Data analysis focuses on extracting insights and drawing conclusions from structured data, while data science involves a more comprehensive approach that combines statistical analysis, computational methods, and machine learning to extract insights, build predictive models, and drive data-driven decision-making.