Data science is a "concept to unify statistics, data analysis, informatics, and their related methods" to "understand and analyze actual phenomena" with data. Jeff Wu used the term "data science" for the first time as an alternative name for statistics. Jeff Wu again suggested that statistics should be renamed data science. In 2003, Columbia University launched The Journal of Data Science. The professional title of "data scientist" has been attributed to DJ Patil and Jeff Hammerbacher in 2008. 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, 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. Cleveland. Many statisticians, including Nate Silver, have argued that data science is not a new field, but rather another name for statistics. While data analysis focuses on extracting insights from existing data, data science goes beyond that by incorporating the development and implementation of predictive models to make informed decisions. Stanford professor David Donoho writes that data science is not distinguished from statistics by the size of datasets or use of computing and that many graduate programs misleadingly advertise their analytics and statistics training as the essence of a data-science program. The term "data science" has been traced back to 1974, when Peter Naur proposed it as an alternative name to computer science. Vasant Dhar writes that statistics emphasizes quantitative data and description. Jeff Wu again suggested that statistics should be renamed data science. In 1985, in a lecture given to the Chinese Academy of Sciences in Beijing, C. After the 1985 lecture at the Chinese Academy of Sciences in Beijing, in 1997 C. Despite these differences, data science and data analysis are closely related fields and often require similar skill sets. Despite these differences, data science and data analysis are closely related fields and often require similar skill sets. After the 1985 lecture at the Chinese Academy of Sciences in Beijing, in 1997 C. As such, it incorporates skills from computer science, statistics, information science, mathematics, data visualization, information visualization, data sonification, data integration, graphic design, complex systems, communication and business. 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. In 2003, Columbia University launched The Journal of Data Science. 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. For instance, a data scientist might develop a recommendation system for an e-commerce platform by analyzing user behavior patterns and using machine learning algorithms to predict user preferences.