

Vasant Dhar writes that statistics emphasizes quantitative data and description. Data science is a "concept to unify statistics, data analysis, informatics, and their related methods" to "understand and analyze actual phenomena" with data. 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. There is still no consensus on the definition of data science, and it is considered by some to be a buzzword.

F. Vasant Dhar writes that statistics emphasizes quantitative data and description. In 1998, Hayashi Chikio argued for data science as a new, interdisciplinary concept, with three aspects: data design, collection, and analysis. 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.

F. In 1998, Hayashi Chikio argued for data science as a new, interdisciplinary concept, with three aspects: data design, collection, and analysis. He describes data science as an applied field growing out of traditional statistics. Data science and data analysis are both important disciplines in the field of data management and analysis, but they differ in several key ways. Jeff Wu again suggested that statistics should be renamed data science. 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 used the term "data science" for the first time as an alternative name for statistics. It uses techniques and theories drawn from many fields within the context of mathematics, statistics, computer science, information science, and domain knowledge. He describes data science as an applied field growing out of traditional statistics. He reasoned that a new name would help statistics shed inaccurate stereotypes, such as being synonymous with accounting or limited to describing data. It uses techniques and theories drawn from many fields within the context of mathematics, statistics, computer science, information science, and domain knowledge. 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. In addition to statistical analysis, data science often involves tasks such as data preprocessing, feature engineering, and model selection.

Vasant Dhar writes that statistics emphasizes quantitative data and description. 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.