

A Brief History of Data Science By Keith D. Foote

The field of Data Science is known as Statistics. It has developed into concepts such as Artificial Intelligence (AI), Machine Learning (ML), and the Internet of Things (IoTs). Nowadays, business data has been collecting and storing in even greater volumes like the exponential to increase profits and make the best decision. However, the use of Big Data can be applied to other fields.

A functional Data Scientist has a good understanding of software architecture, Statistics and multiple programming languages. The Data Scientist defines the problem, identifies the key sources of information, and designs the framework for collecting and screening the needed data. Software is used for collecting, processing and modeling the data. They use the principles of Data Science, and all the related sub-fields to get a deeper insight.

These are some significant history of data science. In 1962, John Tukey wrote about the merging of statistics and computers that can finish a job within hours. In 1977, The IASC was formed. It's mission is to link statistics, computer technology, and the domain experts in order to covert data into knowledge. In 1994, News companies plans to start a new marketing campaigns with personal information. In 1999, Jacob Zahavi pointed out the massive amounts of data need a new tools to handle. In 2001, Software-as-a-Service (SaaS) was created. It's the beginning of Cloud-based applications. William S. Cleveland presented an action plan that described how to increase the technical experience and range of data analysts and specified six areas of study for university departments. In 2002, the International Council for Science began publishing a publication focused on issues such as the description of data system. In 2006, Hadoop was released. In 2008, "Data Scientist" became a buzzword. In 2009, NoSQL was reintroduced by Johan Oskarsson. In 2011, job listing for Data Scientists increased by 15,000%. James Dixon promoted the concept of Data Lakes rather than Data Warehouses. In 2013, IBM showing 90% of the data in the world had been created within the last two years. In 2015, Bloomberg's Jack Clark wrote that it's a landmark year for AI because more than 2,700 projects using AI was created over the year within Google.

Data Science has become an important part of business and academic research. Data Science has expanded it many more sub-fields. Data Science also influences economics, governments, and business and finance. Data Science will make more impact to our daily life.