

The THREE V's of Big Data

Big data describes the data of such volume that it's not possible to process it with traditional (relational) database systems on a modern computer. To further refine the definition it is characterized by three terms (3V): volume, variety, velocity. It shows that not only the volume is challenging but also the fact that the data is often unstructured and may increase or expand rapidly.

From the perspective of official statistics big data opens new horizons to provide better statistics and reveal new facts. Due to the potential which lies in new data sources, the term 'statistics' becomes even more attractive recently and more is expected from it. However to get real advantage of big data it's not only new technologies meant to process the data but it's also comprehensive skills of various domains which are compiled in the term Data Scientist.

VOLUME

scale of data



VARIETY

different forms of data



VELOCITY

analysis of streaming data

