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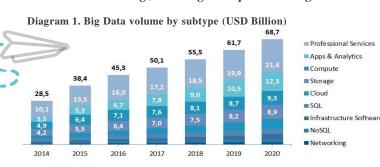
BIG DATA:

ANALYZING STRUCTUREDAND UNSTRUCTURED DATA USING THE PYTHON PROGRAMMING LANGUAGE

ANNOTATION ~



Big Data has been an integral part of many languages and IT processes for several years by now. The volume of data on all aspects of life is growing, thus, storing and processing capabilities should increase, too. Big Data has all the necessary tools for storing, sorting and processing a wide range of information.



RELEVANCE of



The research is timely because it is important to use a large amount of information *effectively* and apply the results of data analysis in a way that optimizes and, as a result, fosters development.

IMPLEMENTING BIG DATA

Big Data is a series of approaches, technologies and methods designed to solve the problem of processing large amounts of structured and unstructured data to produce results that a person is able to perceive.

The implementation of Big Data involves all the ways to work with a large set of data that is constantly updated and located in different sources.

RESULTS AND DISCUSSION



The rapid development of information technologies and social services is the reason for the search and development of information solutions that will allow you to process huge amounts of incoming information.

Therefore:

- The analysis of the market and the use of big data in business is being carried out.
- The application software product analysis of Excel tabular data using the Python programming language has been designed. (In most cases, Java or Python are chosen for processing a large flow of information).
- A live application using standard Python tools from dictionaries of first and last names generates a table in Excel with 10,000 rows displaying the wage rate and the year of birth.

RESEARCH

According to a new study by Accenture, 60% of the respondents have successfully completed at least one big data project.

The vast majority (92%) of representatives of these companies were quite successful, and 89% said that big data has become an extremely important part of the transformation of their business.

Among the rest of the respondents, 36% did not think about implementing this technology, and 4%. have not yet completed their projects



IN THE RUSSIAN MARKET. THE MAIN BIG DATA PROVIDERS ARE:



