

finite predicate method for calculation of base metrics together with machine learning (ML) technics can be achieved a major value such as predicting of dangerous situations, analyzing data to get new knowledge about the specific regions etc.

Neural networks are tested a sample of the broad family of machine learning techniques for data views that are most suitable to solve a problem.

Real submission datasets facilitates the solution of specific tasks — evaluation of the emission of pollutants, the limiting concentration of a substance permissible concentration. Neural networks allow you to automate the process of selecting and configuring attributes, using efficient algorithms and hierarchical retrieval features. For our task-predict the future on environmental grounds, recurrent network was chosen because it is most suitable for predictions over time.

SOFTWARE TOOL "FILING CABINETS"

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Due to the comprehensive development of information technologies in the banking sector, it is not advisable to use large filing cabinets, manpower and special premises to store large volumes data. It is more expedient to solve this problem with the help of computer computers; Create a program designed to simplify and automate operations related to the registration, systematization, search and processing of banking data.

Automated systems used in the process of accounting data of banking operations provide transfer and fast processing of large amounts of data. At the same time, significant amounts of information are available online for analysis, forecasting and control. This imposes stringent performance requirements on the operating system, database management system, and data communications. Therefore, system tools must be able to maintain access to large (and ever-increasing) data volumes without sacrificing performance.

Processing of information in the bank is carried out within the automated banking system of information processing. Document circulation in the bank can be conditionally divided into two main streams: administrative and operational.

The administrative document circulation does not overlap with customer service, but is aimed at servicing the activities of the Bank itself, its internal reporting and financial transactions. The operational flow is aimed at customer service. Here the financial documents of clients, their applications, contracts and other are processed.

Development of the Software "card cabinets" is designed to automate the following processes:

1) Placement in K2 of documents K2 in foreign currency, different from the currency of the account;

2) execution on the documents K2, specified in paragraph 1, the actions provided by the functionality of the PM "Kartedema" taking into account the peculiarities of these documents;

3) premises in K2 of duplicates of basic documents K2, including in the currency different from the currency of the main document K2;

4) selection of duplicates of paid basic documents K2 for the purpose of their removal from K2;

5) Selection of the main documents of K2 and duplicates related to the paid duplicates with the purpose of their removal from K2;

6) Control of payments on basic documents K2 and their duplicates in all currencies within the amount of the main document K2;

7) formation of reports taking into account the presence of duplicates K2.

In this case, the main documents of K2 should be taken into account on the off-balance account 71501, their duplicates-on the off-balance account 71506.

The object of automation is the functions of the bank's structural subdivisions in the part of the premises in K2, the withdrawal from K2, the payment of documents K2 in foreign currency, different from the currency of the account, as well as duplicates of the main documents K2, including in a currency other than the currency of the main document K2, their accounting and the formation of the necessary reporting thereon.