

Comparative analytics

SCOUTSIGHT



About ScoutSight:

The ScoutSight app allows to access the insights of pro scouts through a proprietary similarity algorithm to learn how NFL Draft Prospects are expected to perform as rookies. ScoutSight brings the power of comparative analytics directly to the NFL fan by allowing to compare, rank and match draft prospects.

The Challenge:

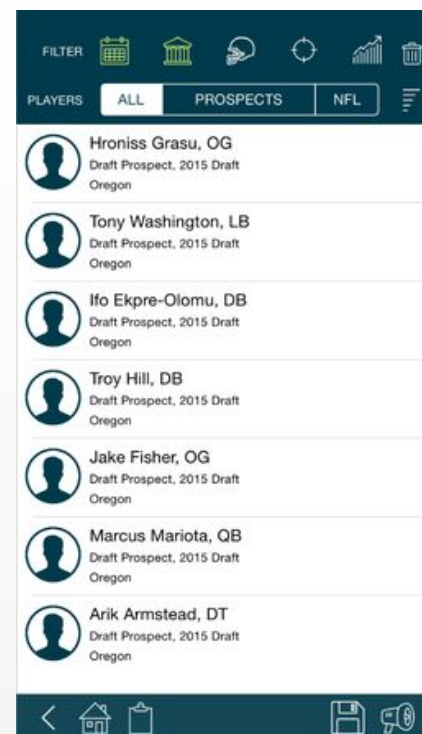
- Design a math comparison algorithm;
- Create a database for large amount of data;
- Achieve reasonable query execution time;
- Provide quick updating of data in the database.

Company's role

The client expected our development team to design a proprietary similarity algorithm to compare players according to various criteria. In order to solve this challenging BI task, ITREX Group team was provided with large amount of heterogeneous data sources.

With ETL implementation certain data was extracted from given data sources, transformed for storing in proper format for further querying and analysis purpose and loaded into data warehouse.

Our developers also used OLAP cubes to store data for quick querying and analyzing large amount of data. The team has also carried out load -test involving more that 1000 users at the same time.



Results:

- Designed a math comparison algorithm to compare players according to certain criteria;
- Processed large amount of data (files of different formats);
- Created a database containing data from various data sources;
- Obtained statistics of each player's performance;
- Achieved relative short query execution time.

Solutions:

- Design a proprietary similarity algorithm using comparative analytics;
- Extract and process data using ETL;
- Create OLAP cubes in SSAS for data storing;
- Implementation of Amazon;
- Perform load testing with a big number of users.