

# CS432/532: NoSQL Project 1-Page Proposal

**Project Title: Data analysis of transfer investment of top tier soccer clubs in Europe (2010-2019)**

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## I. PROBLEM

With a combination of a dataset of transfer fee investments of top tier soccer clubs in Europe from 2010 to 2019 and a self-searched and created dataset of status of players who are involved in the transfer and results of different competitions which these clubs participate in from 2010 to 2019, analysis will be performed on both investment and transfer market.

## II. SOFTWARE DESIGN AND IMPLEMENTATION

In this project, I will try to combine different datasets related to the transfer investment, players involved and results of competitions of these clubs to create my own datasets on the transfer market investment and do data analysis on the final dataset.

### A. Software Design and NoSQL-Database and Tools Used

*Potential but not yet finally decided:*

*MongoDB*

### B. Supported Queries/Functionalities that You Plan to Implement

*Temporarily plan:*

*Basic queries:*

*Club with most/least investment fee*

*Club with most/least titles earned*

*Player with most expensive transfer fee*

*Sophisticated queries:*

*Transfer investment influence on result of competition*

*Investment trend from 2010 to 2019*

REFERENCES

To be added