Code: INF-3983 Capstone project, 20 credits
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In collaboration with: Tromsø Idrettslag

Title: Football Analysis Tool

Description

A problem in today's football analysis is to get an overview of your opponent tactical approach in a fast and easy way. Some of the tools on todays marked give you the ability to do it manually by selecting highlights as you are watching the game. It works well for some type of analysis, but does not cover everything. It is also limited by the human ability to decide what is important and what is not. Another problem is that there is collected a lot of information, but not everything are useful.

The goal of the tool is to give you the ability to search for information on your next opponent. This includes breaking down the opponent's offensive play to find weaknesses and strengths in their playing style that can be exploited. Specially, we are looking to find the breaking point of the attack. This is the moment in the attack where the attack went from promising to being a goal threat.

The project will be developed for and in close contact with Tromsø IL. They will give feedback as the project goes on.

Any information source about the opponent will be used to create a database (video, live-feeds, other video analysis tools or manual input). The information will then be made searchable through an interface for the analysis staff to use.

Deliveries:

- Report describing the system including, the architecture and design of the system, experiments and lessons learned
- Working prototype
- Source code