

Velo

Advanced analysis of the cycling training process an analytical and data storage solution

Velo is a web application created for the use case of advanced, customizable and extendable analysis of cycling training by cycling coaches and/or cyclists themselves. The application allows user profile creation which will be used by both athletes and coaches. The coach may subscribe to an athlete (after their permission has been received) which grants access to athlete training data.

There is a gap in the market for workout data analysis which envelopes the following characteristics: easily accessible (web application for any device), fast/efficient (with computation done partly on server-side and partly on client-side) and customizable (user is given the ability to manipulate/analyze data in-depth). This tool addresses the above concepts and provides the ability for coaches to use template scripts which they may modify to the extent of their own abilities and/or needs, all of which are run on client-side with the use of server-stored workout data

Cycling is a popular sport mainly due to its accessibility at any skill level, attracting people at various points of their life. This is no surprise as the bike is a fascinating piece of equipment in and of itself and many people introduced to cycling continue utilizing it in various ways throughout their lives, some even in a professional capacity. It is these athletes (the cyclists) who have the upper hand when it comes to translating their progress into numerical and quantitative data, often allowing them (or their coaches) to plan their next workout goals very carefully.

