

In the following I will explain and describe RV-Analyse.

### **What is RV-Analysis?**

That is an analysis which measure the movements every team or player in a competition makes from one standing to another.

That was a broadly answer. So let's explain with an example.

In the English Premier League a team like Manchester United has a point difference to all the other teams at a certain time – it could be after 10 matches. Then another 5 matches are played and we now have a new standing after 15 matches.

From 10<sup>th</sup> to 15<sup>th</sup> match Manchester United has made a move in relation to all the teams in the League.

Basically because Manchester United has made a move and because all the other teams have made a move in relation to all the other team including Manchester United.

Then you might ask which team has made the biggest move in relation to all the other teams?

This question is answered through an RV-Analysis. Simply RV-Analysis measures the moves from one standing to another – from one time to another.

### **Why is RV-Analysis relevant?**

A competition is a process that develops through all the small differences each team or player makes from match to match. The going for differences is what characterizes a competition. The winner can be declared when the difference between no.1 and no. 2 is too big for the second team to overcome. And so on for all the other places in the table. So to understand the competition process it is relevant to analyse the differences and the moves all the teams make in relation to each other. Such an analysis can be done with RV-Analysis.

### **What is the inner of the analysis?**

RV-Analysis makes use of advanced and sophisticated mathematics. It works with space theory in very high dimensions. But in term to produce a valid result the algorithm and the functions are both continuous and monotone. This makes sure the result is an objective measure, so the moves for all team or players can be ordered in relation to each other.

### **What is the interpretation of the result?**

The produced result is an objective measure according to the algorithm used. But in the further perspective the result can't stand alone. It must always be related to other aspects in the competition.

The result is runs as an index in the interval 0-100.

It would be valid to order different results in relation to each other and use the operations greater than, smaller than, and equal to. But the result can't be made appropriate for addition and/or multiplication as it is based on a non-linear function.

### **Where can it be used?**

RV-Analysis can be applied on every kind of competition where the standings are calculated on a regular basis. The analysis makes use of the standings so they must be calculated in a valid and non-biased way. Every well known sport competition fulfills this requirement.