

Modeler Wizard Instruction Sheet

For *MaxVel* software versions beginning Dec 2010.

Introduction

The *MaxVel* (Maximum Velocity) software adds a new Modeling option. The [Modeler Wizard] button is found on the *Modeler* screen. It is an efficient and powerful feature that quickly displays the horses that match recent winners from similar races.

For more background on data modeling, please refer to the Nov/Dec 2010 HTR Newsletter. For information on the *MaxVel* software, please read the *MaxVel* User Guide in the HTR Library.

Getting Started

To use the *MaxVel* Modeler follow these steps -->

1. Download (Racefiles) and (Results + Charts) for the past 30-45 days or as much data as possible for any meet in progress. The 'Wizard' only handles one track at a time and needs a minimum of 7 similar races to produce its output. If the current meet has only been in progress a few days, you may have to wait another week until enough races are available for sufficient model creation. As an alternative, you can set the "Days Back" past the default of 45-days and pick up older files, but this is not recommended for modeling as the track has probably changed during the down time.
2. Start the *MaxVel* software. DO NOT click on the check-box "Load Only..." as this will restrict the file stack to the current date. The modeler requires that all race files in the current folder be loaded at startup. After entering the *MaxVel* program, click the "MODELER" button at the bottom of the screen. Prior to this, you can change the date desired by clicking on the drop-down track/date box at the top left and select a different day to load into the modeler.
3. While in the Modeler screen, look for the button [Modeler Wizard]. Before you click it, select a track and race from the list above to model. When you click the [Modeler Wizard] button, it will set the filters that match that race automatically. You have two choices for filtering that are located under the Wizard button: 1) the default is {Track, Distance, Surface} which usually ensures decent sample count; 2) the second option is {Track, Distance, Surface, Class-Type}. If the first option produces 20 matching races, try the second option and see if there are enough similar races for a more precise race match.
4. After the 'Wizard' finishes running a model on the specific race, it will produce an output that shows the entire field at the top and all rankings involved in the Modeler. Below that the 'Wizard' extracts the strongest elements from the model data and lists the horses that match those factors. It groups by Top1, Top2, Top3, Top4.

The 'Wizard' is the perfect tool for those that want immediate information on Win contenders. It does not provide ROI information. Please use *Robot2* to test for profitability with a wider range of races, filters and factors. Use the 'Wizard' if you need the winner in a hurry!

Please read the next page for a sample of the 'Wizard' output along with an explanation of the data.

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The data below is from the 3rd race at Calder racetrack on November 27, 2010.

*** MaxVel Wizard Found 20 Similar Races to Model ***

Key Factor Rank1 S/P (35%)
.....
4 Adelaide's M 20/1
.....

Key Factor Top2 Ranks FC (76%)
.....
4 Adelaide's M 20/1
6 Niki's Ice 3/1
8 Trippi's Val 15/1
.....

Key Factor Top3 Ranks FC (88%)
.....
4 Adelaide's M 20/1
6 Niki's Ice 3/1
8 Trippi's Val 15/1
.....

Key Factor Top4 Ranks PER (100%)
.....
4 Adelaide's M 20/1
6 Niki's Ice 3/1
8 Trippi's Val 15/1
10 Starship Spi 10/1
.....

Analysis

The 'Wizard' will list the number of similar past races (winners) it found that match today's race. In this case there were 20 matches, which is the maximum. The filter set was {Track, Distance, Surface}. If there are less than 7 races matching, the message "Insufficient Data" will be shown.

The 'Wizard' extracts the highest performing factor in each category and displays the name of the factor along with the % of winners. The number shown in (%) is the percentage of previous winners that held that ranking. In this case, for example, 35% of the previous winners were ranked = 1 with S/P (Sustained Pace velocity) and 76% of the previous winners were ranked 1-2 with FC (Form Cycle rating). FC also produced the best results with "Top3".

Note: there are three horses listed under the "Top2" section. This is due to a tie with the FC rating. If horses are tied for the same ranking, they will all be listed.

Note: this race had several entrants that were FTS (debut start) and that left them blank with many of the performance factors (such as S/P and FC). This does *not* distort the impact of the model however. There are several factors being modeled that are common to all horses such as JKY (jockey) and TRN (trainer) and (K rating) but they were not producing in this case, so the FTS just haven't been winning or the PER rating would not be at 100%.

As mentioned above, the "Top4" factor (PER) has won 100% of the previous races. A 100% output is unusual and offers you a huge advantage in knowing the probable winner is almost certain to match that factor. (In this case #6 was the winner).