SmartForm Database Additional Data

-Historic Betfair Prices-

Historic Betfair Win Prices Table

The historic betfair win prices table is provided free of charge to monthly SmartForm subscribers as an optional daily download for the SmartForm database system.

It complements the historic_races and historic_runners tables in SmartForm, providing historic Betfair win prices, including BSP (Betfair Starting Prices), maximum and minimum in running prices. The SmartForm table can be joined on historic race and historic runner ids, enabling, for example, backtesting of selection systems in Smartform to BSP returns.

As with the database tables for historic results, an automation script is available for subscribers to install in order to automatically update SmartForm with the database table each day.

Table definition

Fields available in the historic_betfair_win_prices table are described below.

Optional SmarForm Table: historic_betfair_win_prices

Field	Description
bf_race_id	Betfair unique race id for race
bf_runner_id	Betfair unique runner id for horse
sf_name	Name of horse as appears in Smartform tables
sf_race_id	SmartForm runner id for horse, as found in all SmartForm tables
sf_runner_id	SmartForm race id for race, as found in all SmartForm tables
date	Date of race in YYYY-MM-DD format
racetime	Time of race in
win	Betfair flag indicating 1 if the runner won, 0 if it loses
bsp	Betfair Starting Price
av_price	Betfair Weighted Average Price of all bets placed pre-off
early_price	Betfair Weighted Average Price of all bets placed before 11am GMT

ante_maxprice	Maximum price placed before the off (only bets of a payout of more than GBP100 included)
ante_minprice	Minimum price placed before the off (only bets of a payout of more than GBP100 included)
inplay_max	Maximum price placed in-play (only bets of a payout of more than GBP100 included)
inplay_min	Minimum price placed in-play (only bets of a payout of more than GBP100 included)
early_traded	Amount traded before 11am GMT
total_traded	Amount traded before the off
inplay_traded	Amount traded in-play
loaded_at	Time data loaded in Smartform

Example of Use

Typically, the historic betfair win prices table is used to look up a range of betfair prices and trading data for historic runners.

Below is a standard historic Smartform query which lists all runners in one race with basic results information. In this case the race_id in question is for the 2017 running of the 2000 Guineas:

```
mysql> select name, trainer_name, jockey_name,
finish_position, starting_price_decimal as 'SP_decimal' from
historic_races join historic_runners using (race_id)  where
race_id = "720656" order by finish_position;
```

In order to list the Betfair price data for each runner, we modify the above query to include the following new fields in the select statement (in this example, we are choosing BSP, early_price, early_traded and total_traded) and a join to the historic_betfair_win_prices table (on the smartform race_id and runner_id), as follows:

```
mysql> select name, trainer_name, jockey_name,
finish_position, starting_price_decimal as 'SP_decimal', bsp,
early_price, early_traded, total_traded from historic_races
join historic_runners using (race_id) join
historic_betfair_win_prices ON race_id=sf_race_id and
runner_id = sf_runner_id where race_id = "720656" order by
finish_position;
```

Note that the extra join in the example above to historic_betfair_win_prices is on the smartform race_id **and** runner_id, since we are looking to match unique prices for each runner.

Loading the table for the first time

To set up your system with the new table (which includes all current data available), first install the database table definition and historic data for the historic_betfair_win_prices table. To do so, download and unzip the the historic_betfair_win_prices.zip file from the download page on the betwise website. Then install the unzipped file historic_betfair_win_prices.sql to your SmartForm MySQL database from your operating system command line, as follows:

```
>mysql —u smartform smartform <
historic_betfair_win_prices.sql
```

NB. The above command assumes that 'mysql' will find the correct path to the mysql executable on your system - if not, replace it with the full path to mysql. Likewise, replace the user credentials (and password/ database name if necessary) with those used for your Smartform database.

Automating Daily Updates for historic_betfair_win_prices

Once you have installed the historic_betfair_win_prices table for the first time (described above), a separate updates script is provided to automate updates to it on a daily basis. This script works in the same way as the fetch_updates.sh script (for Mac and *Nix systems) and the fetch_updates.bat (for Windows systems) does for the regular SmartForm daily updates.

To run the automated updates script for historic_betfair_win_prices, you should first be familiar with the instructions starting on page 8 of the SmartForm User Manual for the fetch_updates scripts. (These instructions assume that you have already installed the fetch_updates scripts described there. If not, that should be done first.)

Assuming that your operating system is set up correctly for fetch_updates, next ensure that you have downloaded and unzipped the script additional_data_updates.sh (for Mac and *Nix systems) or additional_data_updates.bat (for Windows systems) from the data_download page on the Betwise website. This is the script that is used to automate the Now, edit the script and provide the same credentials as for your regular fetch_updates script – this means providing your Betwise user id and download key (both provided on the betwise website) at the marked locations in the script, as well as defining the correct paths to the MySQL and CURL executables on your local machine.

Now you can run the updates either on an ad-hoc or automated basis (at the command line or as a scheduled or cron job, depending on your OS), as follows:

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```
>additional_data_updates.sh historic_betfair_win_prices
```

Please Note:
When scheduling the scripts on your computer on an automated basis, do so after 3 pm to ensure the most up to date betfair prices data. You may notice that prices can be delayed by 24 hours or more after the result of the race is known. This is due to the fact that the Betfair website for detailed historic prices is not updated in real time.

Note that whilst we do not foresee any problems with either the accuracy or the continued provision of the table, the data is provided as a free addition to the main service on an "as is" basis.

However, if you are having any difficulty installing or automating the downloads we will be glad to assist. Please contact us at www.betwise.co.uk/contact.