SmartForm Database
-Tables and Field Values-

1:   SmartForm Database Overview

The SmartForm database is a comprehensive, constantly updated source of horseracing form for races run in the UK and Ireland, enabling users to program with horseracing data. The database service consists of two main components:

1.   **The SmartForm Historic data**, which contains over 7 years' data for horseracing results in the UK and Ireland, detailing race and runner attributes, from January 1st 2003 to the date of purchase.

2.   **The SmartForm Daily data**, which brings the historic database up to date on a daily basis, as follows:

    a.   Automatically updating the historic database with the previous day's results
    b.   Automatically updating the database with daily racecards for use prior to racing, consisting of race and runner data for all UK and Irish meetings, available from 5 am each day.

Note that the SmartForm data, database formats, and documentation are licenced for personal use only.   The data and database documentation is not for redistribution, publication or resale.

Database structure

The structure of the database is straightforward, with 4 tables in total.

For the **historic database**, there are 2 tables:

> **historic_runners**
> **historic_races**

All runners are linked to races by the **race_id** field which is common to both tables.   All the fields available within each table are described in Section 2.

The **SmartForm Daily** service updates the historic tables automatically with all results in the UK and Ireland, maintaining them up to the current date.

For the daily racecards provided by the **SmartForm Daily** service, there are two more tables:

> **daily_runners**
> **daily_races**

Daily runners are also linked to daily races by the **race_id** field.   All fields available within each table are detailed in Section 2. Comprehensive examples appear in the Smartform User Manual which is supplied to all subscribers.

Database Management System - MySQL

The SmartForm database download and the Smartform Daily service are tailored for use with the MySQL database management system (DBMS). MySQL is one of the most robust and popular databases in the world and runs on Windows, Mac and Linux machines.   On many systems it is already installed, and if not installation is straightforward by downloading on your platform for free at www.mysql.com..
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Installation and Support

Instructions for installing and configuring the Smartform database to work with MySQL are provided in the user manual.   Betwise also provides user support for installation and automating daily updates.

2:   SmartForm Database Tables and values

There are 4 tables that come as standard in the database, each of which is automatically updated by the Daily Updates service:

- **historic_races**
- **historic_runners**
- **daily_races**
- **daily_runners**

Each table is listed below with a description of every field type that within the table in the subsequent sections of this Section.   A full description of the database fields (including the data type and whether or not the field can hold a NULL value) is shown in the Smartform manual available to all subscribers.

Historic Races Table: historic_races

Field	Description
race_id	Internal database field
meeting_id	internal database field
meeting_date	date of the meeting and therefore the race in question
course	name of course
conditions	conditions of race, eg. Handicap Chase 0-125
race_name	Name of the race
race_abbrev_name	same data as conditions field, slightly different format (ages in brackets)
race_type_id	Internal field referencing race_type by a number, useful for queries on certain types
race_type	type of race, values being Flat, Hurdle, Chase, NH Flat, AW Flat, Point to Point
race_num	number of race on racecard in terms of running order (eg. first race = 1)
going	going, eg. Hard, Firm, Good to Firm, Good, Good to Soft, Standard etc.
direction	Direction of track, eg. Left Handed, Right Handed, Straight
class	Class of race on flat, by number, entries prior to change in system in 2005 are irrelevant.
draw_advantage	comment on draw advantage for meeting, eg "Low best in races up to a mile"
num_fences	number of fences in race if applicable race type, otherwise zero or NULL
handicap	if handicap race, 0 or 1 (1 if true)
all_weather	if all weather race, 0 or 1 (1 if true)
seller	if selling race, 0 or 1 (1 if true)

claimer	if claimer race, 0 or 1 (1 if true)
apprentice	if apprentice race, 0 or 1 (1 if true)
maiden	if maiden race, 0 or 1 (1 if true)
amateur	if amateur race, 0 or 1 (1 if true)
num_runners	number of runners declared on day of race, can be unreliable due to earlier declarations counted
num_finishers	number of runners who completed race
rating	if a handicap race, the upper rating bound, eg. 0-125 handicap returns 125 here
group_race	if a group race (or graded race in National Hunt), the rank of the race, ie. 1, 2 or 3
min_age	the minimum age eligible to compete in race if captured (see also conditions)
max_age	the maximum age eligible to compete in race if captured (see also conditions)
distance_yards	the race distance in yards
added_money	total prizemoney for the race
official_rating	official rating, placeholder field
speed_rating	speed_rating for race, placeholder field
private_handicap	private handicap for race, placeholder field
scheduled_time	displays the schedule date and time for the race, in yyyy/mm/dd hh:mm:ss format
off_time	displays the actual time that the race started, using date field and 12 hour clock, needs transforming
winning_time_disp	The winning time in minutes:seconds:milliseconds format
winning_time_secs	The winning time in seconds decimal format only
standard_time_disp	the standard time for this race and distance in minutes:seconds:milliseconds format
standard_time_secs	the standard time for this race in seconds decimal format
loaded_at	internal smartform field

Historic Runners Table: historic_runners

Field	Description
runner_id	internal field, reference for each unique runner
race_id	internal field, reference for race_id field, corresponds to historic_races table
name	name of horse
foaling_date	horse date born
colour	colour eg. Bay, chestnut, etc
distance_travelled	distance travelled from stable to racecourse
form_figures	string of positions in previous races
gender	Letter representing sex of horse (G)elding, (F)illie, (M)are, (C)olt, (H)orse
age	age of horse in years
bred	country of breeding represented by 2-3 letter code in capitals, eg. IRE, FR, UK
cloth_number	saddlecloth number for race
stall_number	number drawn in stalls
num_fences_jumped	number of fences jumped if relevant
long_handicap	number of pounds carried over official handicap mark (ie. number of pounds out of handicap)
how_easy_won	placeholder field
in_race_comment	in running comment for the horse in the race
official_rating	official rating for horse performance in race, shown where available
official_rating_type	official rating for horse performance in race, shown where available
speed_rating	private speed rating for information purposes, shown where available
speed_rating_type	private speed rating for information purposes, shown where available
private_handicap	private handicap rating for information purposes, shown where available
private_handicap_type	private handicap rating for information purposes, shown where available
trainer_name	name of trainer
trainer_id	internal field for trainer_id reference
owner_name	name of owner
owner_id	internal field for owner_id reference
jockey_name	name of jockey
jockey_id	internal field for jockey_id reference

jockey_claim	jockey claim in pounds if applicable
dam_name	name of horse's dam
dam_id	internal field for dam_id reference
sire_name	name of horse's sire
sire_id	internal field for sire_id reference
dam_sire_name	name of dam's sire
dam_sire_id	internal field for dam_sire_id reference
forecast_price	the forecast price from racecard as odds to one in character format
forecast_price_decimal	the forecast price from racecard in decimal format
starting_price	the starting price as odds to one in character format
starting_price_decimal	the starting price in decimal format
betting_text	any comments about pre-race price movements, eg. "op 7/2 tchd 10/3 and 13/2"
position_in_betting	rank of runner in starting prices returned from the race, where 1 = favourite
finish_position	the finishing position of the horse in the race
amended_position	the amended position of the horse in the race, if relevant, either zero or amended position
unfinished	if the horse did not finish the race, the reason for that, including "Nonrunner".
distance_beaten	distance the horse was beaten by the horse immediately in front of it, in lengths
distance_won	if the horse won, how far the horse won by, in lengths
distance_behind_winner	distance the horse was beaten by the winner of the race, in lengths
prize_money	prize money received from race if applicable in GBP
tote_win	price paid for the tote win for this horse, if applicable
tote_place	price paid for the tote place for this horse, if applicable
days_since_ran	number of days since the horse last ran
last_race_type	type of race that the horse last competed in
last_race_type_id	type_id of the race that the horse last competed in
last_race_beaten_fav	whether or not a beaten favourite in the last race, 1 if a beaten favourite, 0 if not, NULL if N/A
weight_pounds	weight carried in pounds
penalty_weight	penalty weight carried in pounds if applicable
over_weight	any over weight in pounds, above the official weight that the horse is allocated
tack_hood	whether or not a hood was worn, NULL or 1 (to indicate this tack present)

tack_visor	whether or not a visor was worn, NULL or 1 (to indicate this tack present)
tack_blinkers	whether or not blinkers were worn, NULL or 1 (to indicate this tack present)
tack_eye_shield	whether or not eye shields were worn, NULL or 1 (to indicate this tack present)
tack_eye_cover	whether or not an eye cover was worn, NULL or 1 (to indicate this tack present)
tack_cheek_piece	whether or not cheek pieces were worn, NULL or 1 (to indicate this tack present)
tack_pacifiers	whether or not pacifiers were worn, NULL or 1 (to indicate this tack present)
tack_tongue_strap	whether or not a tongue strap was worn, NULL or 1 (to indicate this tack present)
loaded_at	internal smartform field

Daily Races Table: daily_races

Field	Description
race_id	internal field, reference for race_id field, corresponds to historic_runners table
meeting_id	internal database field
meeting_date	date of the meeting and therefore the race in question
weather	text string for weather forecast
meeting_status	smartform internal field
meeting_abandoned_reason	smartform internal field
draw_advantage	comment on draw advantage for meeting, eg "Low best in races up to a mile"
course	name of course
country	country of race meeting
race_title	name of the race
race_type	type of race, values being Flat, Hurdle, Chase, NH Flat, AW Flat, Point to Point
track_type	Direction of track, eg. Left Handed, Right Handed, Straight
advanced_going	forecast going, eg. Hard, Firm, Good to Firm, Good, Good to Soft, Standard etc.
class	Class of race on flat, by number, entries prior to change in system in 2005 are irrelevant.
handicap	if handicap race, 0 or 1 (1 if true)
trifecta	whether or not race is a trifecta race, 0 or 1 (1 if true)
showcase	whether or not race is a showcase race, 0 or 1 (1 if true)
age_range	description of range of eligible ages for race, eg. "4YO to 6YO" or "2YO only". All start "#YO"
distance_yards	the race distance in yards

added_money	total prizemoney for the race
penalty_value	the prize money that the winner will be deemed to have won
scheduled_time	time that race is due off, including the date in datetime format, so yyyy-mm-dd hh:mm:ss
prize_pos_1	prize money for first place
prize_pos_2	prize money for second place, where available
prize_pos_3	prize money for third place, where available
prize_pos_4	prize money for fourth place, where available
prize_pos_5	prize money for fifth place, where available
prize_pos_6	prize money for sixth place, where available
prize_pos_7	prize money for seventh place, where available
prize_pos_8	prize money for eighth place, where available
prize_pos_9	prize money for ninth place, where available
last_winner_no_race	if a corresponding race to this happened last year, this field is NULL, otherwise reason is shown
last_winner_year	the year referred to by "last_winner_*" fields
last_winner_runners	the number of runners in the corresponding race last year
last_winner_runner_id	the runner_id for winner of the corresponding race last year
last_winner_name	the name of the winner in the corresponding race last year
last_winner_age	the age of the winner in the corresponding race last year
last_winner_bred	the country of breeding of the winner in the corresponding race last year
last_winner_weight	the weight of the winner in the corresponding race last year
last_winner_trainer	the winning trainer from the corresponding race last year
last_winner_trainer_id	the trainer_id of the winning trainer in the corresponding race last year
last_winner_jockey	the winning jockey from the corresponding race last year
last_winner_jockey_id	the trainer_id of the winning jockey in the corresponding race last year
last_winner_sp	the starting price of the winner from the corresponding race last year

last_winner_sp_decimal	the SP in decimal odds of the winner in the corresponding race last year
last_winner_betting_ranking	the ranking in the betting (eg. 1 = FAV) of the winner in the corresponding race last year
last_winner_course_winner	whether the winner of the corresponding race last year was a previous course winner
last_winner_distance_winner	whether the winner of the corresponding race last year was a previous distance winner
last_winner_candd_winner	whether the winner of the corresponding race last year was a previous course and distance winner
last_winner_beaten_favourite	whether the winner of the corresponding race last year was a previous beaten favourite
loaded_at	smartform internal field

Daily Runners Table: daily_runners

Field	Description
runner_id	internal field, reference for each unique runner, PRIMARY KEY
race_id	internal field, reference for race_id field, corresponds to daily_races table, PRIMARY KEY
name	name of horse
foaling_date	horse date born
age	age of horse in years
colour	colour eg. Bay, chestnut, etc
form_figures	string of positions in previous races
form_type	type of race for last run races
gender	Letter representing sex of horse (G)elding, (F)illie, (M)are, (C)olt, (H)orse
bred	country of breeding represented by 2-3 letter code in capitals, eg. IRE, FR, UK
cloth_number	saddlecloth number for race
stall_number	number drawn in stalls
long_handicap	number of pounds carried over official handicap mark (ie. number of pounds out of handicap)
official_rating	the official rating of the horse for today's contest
adjusted_rating	the adjusted rating of the horse for today's contest
trainer_name	name of trainer
trainer_id	internal field for trainer_id reference
owner_name	name of owner
jockey_name	internal field for owner_id reference
jockey_id	name of jockey
jockey_claim	claim of jockey if any
jockey_colours	jockey colours
dam_name	name of horse's dam
dam_year_born	year dam was born

sire_name	name of horse's sire
sire_year_born	year sire was born
dam_sire_name	name of dam's sire
dam_sire_year_born	year dam's sire was born
forecast_price	the forecast price from racecard as odds to one in character format
forecast_price_decimal	the forecast price from racecard in decimal odds format
days_since_ran	number of days since horse last ran
days_since_ran_type	the type of race the horse last ran in
weight_pounds	weight carried in pounds
tack_hood	whether or not a hood was worn, NULL or 1 (to indicate this tack present)
tack_visor	whether or not a visor was worn, NULL or 1 (to indicate this tack present)
tack_blinkers	whether or not blinkers were worn, NULL or 1 (to indicate this tack present)
tack_eye_shield	whether or not eye shields were worn, NULL or 1 (to indicate this tack present)
tack_eye_cover	whether or not an eye cover was worn, NULL or 1 (to indicate this tack present)
tack_cheek_piece	whether or not cheek pieces were worn, NULL or 1 (to indicate this tack present)
tack_pacifiers	whether or not pacifiers were worn, NULL or 1 (to indicate this tack present)
tack_tongue_strap	whether or not a tongue strap was worn, NULL or 1 (to indicate this tack present)
course_winner	how many times course winner, ie. Number of times or NULL
distance_winner	how many times distance winner ie. Number of times or NULL
candd_winner	how many times course and distance winner ie. Number of times or NULL
beaten_favourite	if beaten favourite last time out, how many times ever beaten favourite, ie. Number of times or NULL
loaded_at	smartform internal field