+-----+ List of Tables <u>+----+</u> circuits constructorResults constructorStandings | constructors driverStandings drivers lapTimes pitStops qualifying races results seasons status

I General Notes

Dates, times and durations are in ISO 8601 format
Dates and times are UTC
Strings use UTF-8 encoding
Primary keys are for internal use only
Fields ending with "Ref" are unique identifiers for external use
A grid position of '0' is used for starting from the pitlane
Labels used in the positionText fields:

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"D" - disqualified "E" - excluded

"F" - failed to qualify

"N" - not classified

"R" - retired "W" - withdrew

circuits table

_		L	L			L	L
	Field	Туре	Null	Key	Default	Extra	Description
	circuitId circuitRef name location country lat lng alt url	int(11) varchar(255) varchar(255) varchar(255) varchar(255) float float int(11) varchar(255)	N0	PRI UNI	NULL NULL NULL NULL NULL	auto_increment	Primary key Unique circuit identifier Circuit name Location name Country name Latitude Longitude Altitude (metres) Circuit Wikipedia page

constructor_results table

- -	Field	 Type	+ Null	 Key	Default	!	++ Description
	<pre>constructorResultsId raceId</pre>	int(11) int(11)	NO NO	PRI	NULL	auto_increment	Primary key

constructorId	int(11)	NO	0	Foreign key link to constructors table	ı
points	float	YES	NULL	Constructor points for race	1
status	varchar(255)	į YES į	NULL	"D" for disqualified (or null)	ĺ

constructor_standings table

	Field	Туре	Null	Key	Default	Extra	Description
	constructorStandingsId raceId constructorId points position positionText wins	<pre>int(11) int(11) int(11) float int(11) varchar(255) int(11)</pre>	NO NO NO NO YES YES NO	PRI	NULL 0 0 0 NULL NULL 0	auto_increment	Primary key Foreign key link to races table Foreign key link to constructors table Constructor points for season Constructor standings position (integer) Constructor standings position (string) Season win count

constructors table

+-	Field	Туре	•	'	Default	Extra	Description
j 	constructorId constructorRef name nationality url	<pre>int(11) varchar(255) varchar(255) varchar(255) varchar(255)</pre>	NO NO NO YES NO	PRI UNI 	NULL NULL	auto_increment	Primary key Unique constructor identifier Constructor name Constructor nationality Constructor Wikipedia page

driver_standings table

+ Field	+	+ Null	+ Key	+ Default	Extra	Description
driverStandingsId raceId driverId points position positionText wins	int(11) int(11) int(11) float int(11) varchar(255) int(11)	NO NO NO NO YES YES NO	PRI	NULL 0 0 0 NULL NULL	auto_increment	Primary key Foreign key link to races table Foreign key link to drivers table Driver points for season Driver standings position (integer) Driver standings position (string) Season win count

drivers table

Field	Type	Null	Key	Default	Extra	+	
	int(11)	NO	PRI		auto increment	•	•

ı	driverRef	varchar(255)	NO			Unique driver identifier
	number	int(11)	YES		NULL	Permanent driver number
	code	varchar(3)	YES		NULL	Driver code e.g. "ALO"
	forename	varchar(255)	NO			Driver forename
ĺ	surname	varchar(255)	NO i		ĺ	Driver surname
ĺ	dob	date	YES		NULL	Driver date of birth
j	nationality	varchar(255)	YES		NULL	Driver nationality
Ī	url	varchar(255)	į NO į	UNI	ĺ	Driver Wikipedia page
_		L	<u>.</u>		L	<u>.</u>

lap_times table

+-	Field	Туре	Null	Key	Default	Extra	Description
 	raceId driverId lap position time milliseconds	<pre>int(11) int(11) int(11) int(11) varchar(255) int(11)</pre>	NO NO NO YES YES YES	PRI PRI PRI	NULL NULL NULL NULL NULL NULL		Foreign key link to races table Foreign key link to drivers table Lap number Driver race position Lap time e.g. "1:43.762" Lap time in milliseconds

pit_stops table

		-	L		L	L	L -
į	Field	Туре	Null	Key	Default	Extra	Description
	raceId driverId stop lap time duration milliseconds	<pre>int(11) int(11) int(11) int(11) time varchar(255)</pre>	NO NO NO NO NO YES YES	PRI PRI PRI	NULL NULL NULL NULL NULL NULL NULL		Foreign key link to races table Foreign key link to drivers table Stop number Lap number Time of stop e.g. "13:52:25" Duration of stop e.g. "21.783" Duration of stop in milliseconds

qualifying table

Field	Type	 Null	Key	Default	Extra	Description
qualifyId raceId driverId constructorId number position q1 q2	int(11) int(11) int(11) int(11) int(11) int(11) varchar(255) varchar(255)	N0	PRI	NULL 0 0 0 0 NULL NULL	auto_increment 	Primary key Foreign key link to races table Foreign key link to drivers table Foreign key link to constructors table Driver number Qualifying position Q1 lap time e.g. "1:21.374"

races table

Field	Туре	Null	Key	Default	Extra	Description
raceId year round circuitId name date time url fp1_date fp2_date fp2_time fp2_time fp3_date fp3_time quali_date quali_time sprint_date	int(11) int(11) int(11) int(11) varchar(255) date time varchar(255) date time	NO	Ney PRI UNI 	NULL NULL 0 0 0 NULL NULL NULL NULL NULL NULL NULL NULL NULL NULL	auto_increment	Primary key Foreign key link to seasons table Round number Foreign key link to circuits table Race name Race date e.g. "1950-05-13" Race start time e.g. "13:00:00" Race Wikipedia page FP1 date FP1 start time FP2 date FP2 start time FP2 start time FP3 date FP3 start time Cualifying date Qualifying start time Sprint date Sprint start time Sprint start time

results table

		L	L		L	<u> </u>	_
Field	Туре	Null	Key	Default	Extra	Description	
resultId raceId driverId constructorId number grid position positionText positionOrder points	<pre>int(11) int(11) int(11) int(11) int(11) int(11) int(11) varchar(255) int(11) float</pre>	N0 N0 N0 N0 YES N0 YES N0 N0	PRI	NULL 0 0 0 NULL 0 NULL 0	auto_increment	Primary key Foreign key link to races table Foreign key link to drivers table Foreign key link to constructors table Driver number Starting grid position Official classification, if applicable Driver position string e.g. "1" or "R" Driver position for ordering purposes Driver points for race	;+ - -
milliseconds	int(11)	YES		NULL		Finishing time in milliseconds	
rank fastestLapTime	int(11) int(11) varchar(255)	YES YES	 	NULL 0 NULL		Eap number of rastest tap Fastest lap rank, compared to other drivers Fastest lap time e.g. "1:27.453"	
	resultId raceId driverId constructorId number grid position positionText positionOrder points laps time milliseconds fastestLap rank	resultId int(11) raceId int(11) driverId int(11) constructorId int(11) number int(11) grid int(11) position int(11) positionText varchar(255) positionOrder int(11) points float laps int(11) time varchar(255) milliseconds int(11) fastestLap int(11) rank int(11)	resultId int(11) N0 raceId int(11) N0 driverId int(11) N0 constructorId int(11) N0 number int(11) YES grid int(11) N0 position int(11) YES positionText varchar(255) N0 positionOrder int(11) N0 time varchar(255) YES milliseconds int(11) YES fastestLap int(11) YES rank int(11) YES	resultId int(11) NO PRI raceId int(11) NO driverId int(11) NO constructorId int(11) NO number int(11) YES grid int(11) NO position int(11) YES positionText varchar(255) NO positionOrder int(11) NO laps int(11) NO time varchar(255) YES milliseconds int(11) YES fastestLap int(11) YES rank int(11) YES	resultId int(11) NO PRI NULL raceId int(11) NO 0 driverId int(11) NO 0 constructorId int(11) NO 0 number int(11) YES NULL grid int(11) NO 0 position int(11) YES NULL positionText varchar(255) NO 0 positionOrder int(11) NO 0 points float NO 0 laps int(11) NO 0 time varchar(255) YES NULL milliseconds int(11) YES NULL fastestLap int(11) YES NULL rank int(11) YES 0	resultId int(11) NO PRI NULL auto_increment raceId int(11) NO 0 0 driverId int(11) NO 0 0 constructorId int(11) NO 0 0 number int(11) YES NULL 9 grid int(11) NO 0 0 position int(11) YES NULL 0 positionText varchar(255) NO 0 0 points float NO 0 0 laps int(11) NO 0 0 time varchar(255) YES NULL milliseconds int(11) YES NULL fastestLap int(11) YES NULL rank int(11) YES 0	resultId int(11) NO PRI NULL auto_increment Primary key raceId int(11) NO 0 0 Foreign key link to races table driverId int(11) NO 0 0 Foreign key link to drivers table constructorId int(11) NO 0 0 Foreign key link to constructors table number int(11) YES NULL Driver number grid int(11) NO 0 Starting grid position position int(11) YES NULL Official classification, if applicable positionText varchar(255) NO Driver position for ordering purposes points float NO 0 Driver points for race laps int(11) NO 0 Number of completed laps time varchar(255) YES NULL Finishing time or gap milliseconds int(11) YES NULL Finishing time in milliseconds fastestLap int(11) YES NULL Lap number of fastest Lap rank int(11) YES O Fastest Lap rank, compared to other drivers

	fastestLapSpeed	varchar(255)	YES	NULL	Fastest lap speed (km/h) e.g. "213.874"
	statusId	int(11)	NO	0	Foreign key link to status table
4			+	 	

sprint results table

Field	+ Туре	Null	Key	Default	Extra	Description
sprintResultId raceId driverId constructorId number grid position positionText positionOrder points laps time milliseconds fastestLap fastestLapTime statusId	int(11) int(11) int(11) int(11) int(11) int(11) int(11) varchar(255) int(11) varchar(255) int(11) varchar(255) int(11) varchar(255) int(11)	N0 N0 N0 N0 YES N0 YES N0 N0 N0 YES YES YES	PRI	NULL 0 0 0 NULL 0 NULL 0 0 NULL NULL NULL	auto_increment	Primary key Foreign key link to races table Foreign key link to drivers table Foreign key link to constructors table Driver number Starting grid position Official classification, if applicable Driver position string e.g. "1" or "R" Driver position for ordering purposes Driver points for race Number of completed laps Finishing time or gap Finishing time in milliseconds Lap number of fastest lap Fastest lap time e.g. "1:27.453" Foreign key link to status table

seasons table

Field	Туре	Null	Key	Default	Extra	Description
year url	int(11) varchar(255)	NO NO	PRI UNI	0 	 	Primary key e.g. 1950 Season Wikipedia page

status table

Field	Type	Null	Key	Default	Extra	+
statusId status	int(11) varchar(255)	NO NO	PRI 	NULL	auto_increment	•

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