game	
gsis_id [gameid, not null]	1
gamekey [varchar, null]	$\tilde{0}\tilde{N}$
start_time [utctime, not null]	
week [usmallint, not null]	0
day_of_week [game_day, not null]	
season_year [usmallint, not null]	
season_type [season_phase, not null]	
finished [boolean, not null]	
home_team [varchar, not null]]
home_score [usmallint, not null]	1
home_score_q1 [usmallint, null]	
home_score_q2 [usmallint, null]	
home_score_q3 [usmallint, null]	<u> 1</u> -
home_score_q4 [usmallint, null]	
home_score_q5 [usmallint, null]	
home_turnovers [usmallint, not null]	
away_team [varchar, not null]	
away_score [usmallint, not null]	
away_score_q1 [usmallint, null]	,
away_score_q2 [usmallint, null]	J,
away_score_q3 [usmallint, null]]
away_score_q4 [usmallint, null]	
away_score_q5 [usmallint, null]	
away_turnovers [usmallint, not null]	
time_inserted [utctime, not null]	
time_updated [utctime, not null]	

meta

version [smallint, null] last_roster_download [utctime, not null] season_type [season_phase, null] season_year [usmallint, null] week [usmallint, null]

drive gsis_id [gameid, not null] 0..N<u>drive_id</u> [usmallint, not null] start_field [field_pos, null] start_time [game_time, not null] end_field [field_pos, null] end_time [game_time, not null] pos_team [varchar, not null] pos_time [pos_period, null] first_downs [usmallint, not null] result [text, null] penalty_yards [smallint, not null] yards_gained [smallint, not null] play_count [usmallint, not null] time_inserted [utctime, not null] time_updated [utctime, not null]

agg_play

gsis_id [gameid, not null]

<u>drive_id</u> [usmallint, not null]

play_id [usmallint, not null]

defense_ast [smallint, not null]

defense_ffum [smallint, not null]

defense_fgblk [smallint, not null]

defense_frec [smallint, not null]

defense_int [smallint, not null]

defense_frec_tds [smallint, not null]

defense_frec_yds [smallint, not null]

defense_int_tds [smallint, not null]

defense_int_yds [smallint, not null]

defense_misc_tds [smallint, not null]

defense_misc_yds [smallint, not null]

defense_pass_def [smallint, not null]

defense_puntblk [smallint, not null]

defense_qbhit [smallint, not null]

defense_safe [smallint, not null]

defense_sk_yds [smallint, not null]

defense_tkl_loss [smallint, not null]

defense_xpblk [smallint, not null]

fumbles_forced [smallint, not null]

fumbles_notforced [smallint, not null]

fumbles_lost [smallint, not null]

fumbles_oob [smallint, not null]

fumbles_rec [smallint, not null]

fumbles_tot [smallint, not null]

kicking_fga [smallint, not null]

kicking_fgb [smallint, not null]

kicking_fgm [smallint, not null]

kicking_i20 [smallint, not null]

kicking_rec [smallint, not null]

kicking_tot [smallint, not null]

kicking_xpa [smallint, not null]

kicking_xpb [smallint, not null]

kicking_yds [smallint, not null]

kickret_fair [smallint, not null]

kickret_oob [smallint, not null]

kickret_ret [smallint, not null]

kickret_tds [smallint, not null]

kickret_yds [smallint, not null]

passing_att [smallint, not null]

passing_cmp [smallint, not null]

passing_incmp [smallint, not null]

passing_int [smallint, not null]

passing_sk [smallint, not null]

passing_tds [smallint, not null]

passing_yds [smallint, not null]

punting_blk [smallint, not null]

punting_i20 [smallint, not null]

punting_tot [smallint, not null]

punting_yds [smallint, not null]

puntret_fair [smallint, not null]

puntret_oob [smallint, not null]

puntret_tds [smallint, not null]

puntret_tot [smallint, not null]

puntret_yds [smallint, not null]

receiving_rec [smallint, not null]

receiving_tar [smallint, not null]

receiving_tds [smallint, not null]

receiving_twopta [smallint, not null]

receiving_twoptm [smallint, not null]

receiving_yac_yds [smallint, not null]

receiving_yds [smallint, not null]

rushing_att [smallint, not null]

rushing_loss [smallint, not null]

rushing_tds [smallint, not null]

rushing_yds [smallint, not null]

rushing_twopta [smallint, not null]

rushing_twoptm [smallint, not null]

rushing_twoptmissed [smallint, not null]

rushing_loss_yds [smallint, not null]

receiving_twoptmissed [smallint, not null]

puntret_touchback [smallint, not null]

puntret_downed [smallint, not null]

punting_touchback [smallint, not null]

passing_sk_yds [smallint, not null]

passing_twopta [smallint, not null]

passing_twoptm [smallint, not null]

passing_twoptmissed [smallint, not null]

passing_cmp_air_yds [smallint, not null]

passing_incmp_air_yds [smallint, not null]

kickret_touchback [smallint, not null]

kicking_xpmade [smallint, not null]

kicking_xpmissed [smallint, not null]

kicking_rec_tds [smallint, not null]

kicking_touchback [smallint, not null]

kicking_fgm_yds [smallint, not null]

kicking_fgmissed [smallint, not null]

kicking_fgmissed_yds [smallint, not null]

kicking_all_yds [smallint, not null]

kicking_downed [smallint, not null]

fumbles_rec_tds [smallint, not null]

fumbles_rec_yds [smallint, not null]

defense_tkl_loss_yds [smallint, not null]

defense_tkl_primary [smallint, not null]

defense_tkl [smallint, not null]

defense_sk [real, not null]

gsis_name [varchar, null] full_name [varchar, null] first_name [varchar, null] last_name [varchar, null] team [varchar, not null] position [player_pos, not null] profile_id [integer, null] profile_url [varchar, null] uniform_number [usmallint, null] birthdate [varchar, null] college [varchar, null] height [usmallint, null] weight [usmallint, null] years_pro [usmallint, null] status [player_status, not null]

home

<u>away</u>

player

player_id [varchar, not null]

0..N

team_id [varchar, not null] city [varchar, not null] name [varchar, not null] play_player gsis_id [gameid, not null] drive id [usmallint, not null]

0..N

team

play_id [usmallint, not null] player_id [varchar, not null] team [varchar, not null] defense_ast [smallint, not null] defense_ffum [smallint, not null] defense_fgblk [smallint, not null] defense_frec [smallint, not null] defense_frec_tds [smallint, not null] defense_frec_yds [smallint, not null] defense_int [smallint, not null] defense_int_tds [smallint, not null] defense_int_yds [smallint, not null] defense_misc_tds [smallint, not null] defense_misc_yds [smallint, not null] defense_pass_def [smallint, not null] defense_puntblk [smallint, not null] defense_qbhit [smallint, not null] defense_safe [smallint, not null] defense_sk [real, not null] defense_sk_yds [smallint, not null] defense_tkl [smallint, not null] defense_tkl_loss [smallint, not null] defense_tkl_loss_yds [smallint, not null] defense_tkl_primary [smallint, not null] defense_xpblk [smallint, not null] fumbles_forced [smallint, not null] fumbles_lost [smallint, not null] fumbles_notforced [smallint, not null]

0..N

 $0..N_1$ play gsis_id [gameid, not null] <u>drive_id</u> [usmallint, not null] play_id [usmallint, not null] time [game_time, not null] pos_team [varchar, not null] yardline [field_pos, null] down [smallint, null] yards_to_go [smallint, null] description [text, null] note [text, null] time_inserted [utctime, not null] time_updated [utctime, not null] first_down [smallint, not null] fourth_down_att [smallint, not null] fourth_down_conv [smallint, not null] fourth_down_failed [smallint, not null] passing_first_down [smallint, not null] penalty [smallint, not null] penalty_first_down [smallint, not null] penalty_yds [smallint, not null] rushing_first_down [smallint, not null] third_down_att [smallint, not null] third_down_conv [smallint, not null] third_down_failed [smallint, not null] timeout [smallint, not null] xp_aborted [smallint, not null] $0..N_{1}^{1}$

fumbles_oob [smallint, not null] fumbles_rec [smallint, not null] fumbles_rec_tds [smallint, not null] fumbles_rec_yds [smallint, not null] fumbles_tot [smallint, not null] kicking_all_yds [smallint, not null] kicking_downed [smallint, not null] kicking_fga [smallint, not null] kicking_fgb [smallint, not null] kicking_fgm [smallint, not null] kicking_fgm_yds [smallint, not null] kicking_fgmissed [smallint, not null] kicking_fgmissed_yds [smallint, not null] kicking_i20 [smallint, not null] kicking_rec [smallint, not null] kicking_rec_tds [smallint, not null] kicking_tot [smallint, not null] kicking_touchback [smallint, not null] kicking_xpa [smallint, not null] kicking_xpb [smallint, not null] kicking_xpmade [smallint, not null] kicking_xpmissed [smallint, not null] kicking_yds [smallint, not null] kickret_fair [smallint, not null] kickret_oob [smallint, not null] kickret_ret [smallint, not null] kickret_tds [smallint, not null] kickret_touchback [smallint, not null] kickret_yds [smallint, not null] passing_att [smallint, not null] passing_cmp [smallint, not null] passing_cmp_air_yds [smallint, not null] passing_incmp [smallint, not null] passing_incmp_air_yds [smallint, not null] passing_int [smallint, not null] passing_sk [smallint, not null] passing_sk_yds [smallint, not null] passing_tds [smallint, not null]

> punting_blk [smallint, not null] punting_i20 [smallint, not null] punting_tot [smallint, not null] punting_touchback [smallint, not null] punting_yds [smallint, not null] puntret_downed [smallint, not null] puntret_fair [smallint, not null]

passing_twopta [smallint, not null]

passing_twoptm [smallint, not null]

passing_yds [smallint, not null]

passing_twoptmissed [smallint, not null]

puntret_touchback [smallint, not null] puntret_yds [smallint, not null] receiving_rec [smallint, not null] receiving_tar [smallint, not null] receiving_tds [smallint, not null] receiving_twopta [smallint, not null] receiving_twoptm [smallint, not null]

receiving_twoptmissed [smallint, not null]

receiving_yac_yds [smallint, not null]

puntret_oob [smallint, not null]

puntret_tds [smallint, not null]

puntret_tot [smallint, not null]

receiving_yds [smallint, not null] rushing_att [smallint, not null] rushing_loss [smallint, not null] rushing_loss_yds [smallint, not null] rushing_tds [smallint, not null] rushing_twopta [smallint, not null]

rushing_twoptm [smallint, not null] rushing_twoptmissed [smallint, not null] rushing_yds [smallint, not null] 0..N