data dictionary

Smith College NFL Team

4/2/2020

full_data_with_thurs

Description of dataset:

This dataset combines `games` and `pbp` using a `left_join` of `games` with `pbp` by `game_key`. Both `games` and `pbp` have been cleaned using `janitor::clean_names()`. This dataset also contains a binary variable, `is_thurs` that indicates whether or not the game occured on a thursday. Note that for the years 2007 - 2010, many columns include only NA values. This is because the `pbp` data.frame did not include data for these years.

Variables

- `game_key`: (factor) *unique code corresponding to a game*

- `season`: (factor) *season during which the game took place. Denoted by year (2007, 2008 ... 2019).*

- `season_type` : (factor) *representing the type of season. In the case of this dataset, all games are "regular"*

- `game_number` : (integer) *number of game in the season. There are 256 total games in one season*

- `week` : (factor) *numerical value for week within the season. There are a max of 17 weeks in 1 season*

- `game_date` : (Date) *date of game*

- `game_day` : (factor) *day of the week during which the game took place*

- `game_site` : (factor) *site of game. May be city or name of home team*

- `start_time` : (factor) *time of the start of the game*

- `home_team` : (character) *name of home team*

- `visit_team`: (character) *name of visiting team*

- `stadium` : (character) *name of stadium at which game was played*

- `location` : (character) *location of the game in the form, "city, state"*

- `stadium_type` : (factor) *type of stadium at which game was played. Examples include "Dome, Retractable Roof.."*

- `turf` : (factor) *type of surface (i.e. turf) on which game was played. (ex. natural grass, field turf)*

- `time_zone` : (xx)

- game_length : (xx)

- game_weather: (xx)

- temperature : (xx)

- humidity : (xx)

- wind_speed : (xx)

- wind_direction : (xx)

- wind_chill : (xx)

- play_id : (xx)

- home_club_code : (xx)

- visitor_club_code : (xx)

- quarter : (xx)

- possession_team : (xx)

- play_description : (xx)

- game_clock : (xx)

- down : (xx)

- distance : (xx)

- field_position : (xx)

- yard_line : (xx)

- pass_result : (xx)

- play_result: (xx)

- special_teams_play_type : (xx)

- home_score_before_play : (xx)

- visitor_score_before_play : (xx)

- home_score_after_play : (xx)

- visitor_score_after_play : (xx)

- offense_play_result : (xx)

- play_nullified_by_penalty : (xx)

- kick_return_yardage : (xx)

- kick_return_yardage_no_penalties : (xx)

- pass_length : (xx)

- yards_after_catch : (xx)

- kickoff_length : (xx)

- kickoff_result : (xx)

- `wp_home` : (xx)

- `delta_wp_home` : (xx)

- `ep` : (xx)

- `timo` : (xx)

- `timd` : (xx)

- `absolute_yard_line` : (xx)

- `is_goal_to_go` : (xx)

- `is_scoreing_play` : (xx)

- `is_thurs` : (xx)