Player Stats Data Dictionary- it is messy don’t judge me ☺

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| File | Description | Columns |
| Player\_List\_2012\_to\_2018\_WITH\_Age.csv | Offensive players whose careers seasons spanned 2012-2018 | data = {  "Player Team ID": pteamid\_df ,  "Player Team": pteamname\_df,  "Player ID": pID\_df,  "Player Name": pname\_df,  "Jersey": pjersey\_df,  "Reference": preference\_df,  "Position": pposition\_df,  "Sr ID": psrid\_df,  "Games Played": gplayed\_df,  "Games Started": gstarted\_df,  "Season": season\_df  "Birth Date": season\_df  "Season Age": season\_df } |

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| File | Description | Columns |
| Offense\_Player\_Receiving Stats\_2012\_to\_2018.csv | Receiving Stats of offense positon players whose careers spanned 2012-2018 | data2 = {"Player ID": pid\_df ,  "Season": season\_df,  "Rec Air Yards": rec\_air\_yds\_df,  "Rec Avg Yards": rec\_avg\_yds\_df,  "Rec Broken Tackles": rec\_broken\_tackles\_df,  "Rec Catchable Passes": rec\_catch\_passes\_df, "Rec Dropped Passes": rec\_dropped\_passes\_df,  "Rec Longest": rec\_longest\_df, "Rec Longest TD": rec\_longest\_td\_df,  "Rec Receptions": rec\_receptions\_df, "Rec Red Zone Targets": rec\_rz\_targets\_df,  "Rec Targets": rec\_targets\_df, "Rec Touchdowns": rec\_tds\_df,  "Rec Yards": rec\_yds\_df, "Rec Yards After Catch": rec\_yds\_ac\_df,  "Rec Yards After Contact": rec\_yds\_actc\_df}"Season Age": season\_df } |

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| File | Description | Columns |
| 'Offense\_Player\_Def\_Stats\_2012\_to\_2018.csv' | Defensive Stats of offense positon players whose careers spanned 2012-2018 | "Player ID": pid\_df,  "Season": season\_df,  "Def Assisted Tackles": def\_assists\_df,  "Def Blitzes": def\_blitzes\_df,  "Def Combined Tackles": def\_comb\_df,  "Def Defensive Completions": def\_def\_comps\_df,  "Def Defensive Targets": def\_def\_targets\_df,  "Def Forced Fumbles":def\_forced\_fumbles\_df,  "Def Fumble Recoveries":def\_fumble\_recoveries\_df,  "Def Hurries":def\_hurries\_df,  "Def Interceptions":def\_interceptions\_df,  "Def Knockdowns":def\_knockdowns\_df,  "Def Misc Assists":def\_misc\_assists\_df,  "Def Misc Forced Fumbles":def\_misc\_forced\_fumbles\_df,  "Def Misc Fumble Recoveries":def\_misc\_fumble\_recoveries\_df,  "Def Misc Tackles":def\_misc\_tackles\_df,  "Def Missed Tackles":def\_miss\_tackles\_df,  "Def Passes Defended":def\_passes\_defended\_df,  "Def QB Hits":def\_qb\_hits\_df,  "Def Sack Yards":def\_sack\_yds\_df,  "Def Sacks":def\_sacks\_df,  "Def Safeties":def\_safeties\_df,  "Def Special Team Assists":def\_sp\_assists\_df,  "Def Special Team Bocks":def\_sp\_blocks\_df,  "Def Special Team Forced Fumbles":def\_sp\_forced\_fumbles\_df,  "Def Special Team Fumble Recoveries":def\_sp\_fumble\_recoveries\_df,  "Def Special Team Tackles":def\_sp\_tackles\_df,  "Def Tackles":def\_tackles\_df,  "Def Tackles for Loss":def\_tloss\_df,  "Def Tackles for Loss Yards":def\_tloss\_yds\_df |

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| File | Description | Columns |
| Offense\_Player\_KickReturn\_Stats\_2012\_to\_2018.csv | Kick Return Stats of offense positon players whose careers spanned 2012-2018 | "Player ID": pid\_df,  "Season": season\_df,  "Kick Return Yards": kryards\_df,  "Kick Return Avg Yards":kravgyards\_df,  "Kick Return Fair Catches":krfaircatches\_df,  "Kick Return Longest":krlongest\_df,  "Kick Return Longest":krlongesttd\_df,  "Kick Return Returns":krretruns\_df,  "Kick Return Touchdowns":krtds\_df |

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| File | Description | Columns |
| Offense\_Player\_Fumble\_Stats\_2012\_to\_2018.csv | Fumble Stats of offense positon players whose careers spanned 2012-2018 | "Player ID": pid\_df,  "Season": season\_df,  "Fumble End Zone Touch Downs": fum\_ez\_rec\_tds\_df,  "Forced Fumbles": fum\_forced\_df,  "Fumbles": fum\_fum\_df,  "Lost Fumbles": fum\_lost\_fum\_df,  "Fumbles Opponent Recovery": fum\_opp\_rec\_df,  "Fumbles Opponent Recovery Touchdowns":fum\_opp\_rec\_tds\_df,  "Fumbles Opponent Recovery Yards":fum\_opp\_rec\_yds\_df,  "Fumbles Out of Bounds": fum\_oob\_df,  "Fumbles Own Recovery":fum\_own\_rec\_df,  "Fumbles Own Recovery Touchdowns":fum\_own\_rec\_tds\_df,  "Fumbles Own Recovery Yards":fum\_own\_rec\_yds\_df |

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| File | Description | Columns |
| Offense\_Player\_Passing\_Stats\_2012\_to\_2018.csv | Passing Stats of offense positon players whose careers spanned 2012-2018 | "Player ID": pid\_df,  "Season": season\_df,  "Passing Avg Yards": pass\_avg\_yds\_df,  "Passing Blitzes": pass\_blitzes\_df,  "Passing Completion Pct": pass\_completion\_pct\_df,  "Passing Completions": pass\_completions\_df,  "Passing Defended Passes": pass\_defended\_passes\_df,  "Passing Dropped Passes": pass\_dropped\_passes\_df,  "Passing Gross Yards": pass\_gross\_yards\_df,  "Passing Hurries": pass\_hurries\_df,  "Passing Interceptions": pass\_interceptions\_df,  "Passing Knockdowns": pass\_knockdowns\_df,  "Passing Longest": pass\_longest\_df,  "Passing Longest TD": pass\_longest\_td\_df,  "Passing Net Yds": pass\_net\_yds\_df,  "Passing Pocket Time": pass\_pocket\_time\_df,  "Passing Rating": pass\_rating\_df,  "Passing Redzone Attempts": pass\_redzone\_attempts\_df,  "Passing Sack Yds": pass\_sack\_yds\_df,  "Passing Sacks": pass\_sacks\_df,  "Passing Spikes": pass\_spikes\_df,  "Passing Throw Away": pass\_throw\_away\_df,  "Passing Touchdowns": pass\_touchdowns\_df,  "Passing Yards": pass\_yards\_df, |

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| File | Description | Columns |
| Offense\_Player\_Penalty\_Stats\_2012\_to\_2018.csv | Penalty Stats of offense positon players whose careers spanned 2012-2018 | "Player ID": pid\_df,  "Season": season\_df,  "Penalties": pen\_pen\_df,  "Penalty Yards": pen\_yds\_df |

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| File | Description | Columns |
| Offense\_Player\_Rush\_Stats\_2012\_to\_2018.csv | Rushing Stats of offense positon players whose careers spanned 2012-2018 | "Player Season": season\_df,  "Player ID": pid\_df,  "Rush Attempts": rush\_attempts\_df,  "Rush Avg Yards":rush\_avg\_yards\_df,  "Rush Broken Tackles":rush\_broken\_tackles\_df,  "Rush Kneel Downs":rush\_kneel\_downs\_df,  "Rush Longest":rush\_longest\_df,  "Rush Longest TD":rush\_longest\_td\_df,  "Rush Red Zone Attempts":rush\_rz\_attempts\_df,  "Rush Scrambles":rush\_scrambles\_df,  "Rush Tackles for Loss":rush\_tlost\_df,  "Rush Tackles for Loss Yards":rush\_tlost\_yds\_df,  "Rush Touchdowns":rush\_tds\_df,  "Rush Yards":rush\_yds\_df,  "Rush Yards After Contact":rush\_yds\_after\_cont\_df |

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| File | Description | Columns |
| Offense\_Player\_Punt Returns\_Stats\_2012\_to\_2018.csv | Punt Return stats of offense positon players whose careers spanned 2012-2018 | "Player Season": season\_df,  "Player ID": pid\_df,  "Punt Returns Avg Yards":pr\_avg\_yds\_df,  "Punt Returns Fair Catches":pr\_fair\_catches\_df,  "Punt Returns Longest":pr\_longest\_df,  "Punt Returns Longest TD":pr\_longest\_td\_df,  "Punt Returns Returns":pr\_returns\_df,  "Punt Returns Touchdowns":pr\_tds\_df,  "Punt Returns Yards":pr\_yds\_df |

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| File | Description | Columns |
| Offense\_Player\_Punt\_Stats\_2012\_to\_2018.csv | Punt stats of offense positon players whose careers spanned 2012-2018 | "Player Season": season\_df,  "Player ID": pid\_df,  "Punt Attempts":punt\_attempts\_df,  "Punt Avg Hang Time":punt\_avg\_hang\_time\_df,  "Punt Avg Net Yards":punt\_avg\_net\_yards\_df,  "Punt Avg Yards":punt\_avg\_yard\_df,  "Punt Blocked":punt\_blocked\_df,  "Punt Hangtime":punt\_hang\_time\_df,  "Punt Inside 20":punt\_inside\_20\_df,  "Punt Longest":punt\_longest\_df,  "Punt Net Yards":punt\_net\_yards\_df,  "Punt Return Yards":punt\_return\_yards\_df,  "Punt Touchbacks":punt\_touchbacks\_df,  "Punt Yards":punt\_yards\_df |

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| File | Description | Columns |
| 'Offense\_Player\_Conversion\_Stats\_2012\_to\_2018.csv' | Conversion stats of offense positon players whose careers spanned 2012-2018 | "Player Season": season\_df,  "Player ID": pid\_df,  "Converse Defense Attempts":conv\_def\_attempts\_df,  "Converse Defense Success":conv\_def\_succ\_df,  "Converse Pass Attempts":conv\_pass\_attempts\_df,  "Converse Pass Success":conv\_pass\_succ\_df,  "Converse Rec Attempts":conv\_rec\_attempts\_df,  "Converse Rec Success":conv\_rec\_succ\_df,  "Converse Rush Attempts":conv\_rush\_attempts\_df,  "Converse Rush Success":conv\_rush\_succ\_df,  "Converse Turnover Success":conv\_turnover\_succ\_df |

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| File | Description | Columns |
| Offense\_Player\_Extra\_Points\_Stats\_2012\_to\_2018.csv | Extra Points stats of offense positon players whose careers spanned 2012-2018 | "Player Season": season\_df,  "Player ID": pid\_df,  "Extra Pts Attempts":ep\_attempts\_df,  "Extra Pts Blocked":ep\_blocked\_df,  "Extra Pts Made":ep\_made\_df |

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| File | Description | Columns |
| Offense\_Player\_Field\_Goals\_Stats\_2012\_to\_2018.csv | Field Goals stats of offense positon players whose careers spanned 2012-2018 | "Player Season": season\_df,  "Player ID": pid\_df,  "Field Goal Attempts":fg\_attempts\_df,  "Field Goal Avg Yards":fg\_avg\_yards\_df,  "Field Goal Blocked":fg\_blocked\_df,  "Field Goal Longest":fg\_longest\_df,  "Field Goal Made":fg\_made\_df,  "Field Goal Yards":fg\_yards\_df |

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| File | Description | Columns |
| Offense\_Player\_Interception\_Returns\_\_Stats\_2012\_to\_2018.csv | Interception Return stats of offense positon players whose careers spanned 2012-2018 | "Player Season": season\_df,  "Player ID": pid\_df,  "Int Ret Avg Yds":ir\_avg\_yds\_df,  "Int Ret Longest":ir\_longest\_df,  "Int Ret Longest TD":ir\_longest\_td\_df,  "Int Ret Returns":ir\_returns\_df,  "Int Ret Touchdowns":ir\_touchdowns\_df,  "Int Ret Yds":ir\_yds\_df |
| File | Description | Columns |
| Offense\_Player\_Kick\_Off\_\_Stats\_2012\_to\_2018.csv | Kick Off stats of offense positon players whose careers spanned 2012-2018 | "Player Season": season\_df,  "Player ID": pid\_df,  "Kick Off End Zone":ko\_ez\_df,  "Kick Off Inside 20":ko\_inside\_20\_df,  "Kick Off Kick Offs":ko\_kickoffs\_df,  "Kick Off Onside Attempts":ko\_onside\_attempts\_df,  "Kick Off Onside Successes":ko\_onside\_successes\_df,  "Kick Off OOB":ko\_oob\_df,  "Kick Off Ret Yds":ko\_return\_yds\_df,  "Kick Off Squib Kicks":ko\_squib\_kicks\_df,  "Kick Off Touchbacks":ko\_touchbacks\_df,  "Kick Off Yds":ko\_yds\_df |