Diagram Documentation

Link to schema: https://app.quickdatabasediagrams.com/#/d/lEsA9g

players

Field	Description	Type	Default	Other
nflID		int		PK
height		varchar(10)		
weight		int		
birthDate		varchar(10)		
collegeName		varchar(50)		
officialPosition		varchar(3)		
displayName		varchar(50)		

games

Field	Description	Type	Default	Other
gameId		int		PK
season		int		
week		int		
gameDate		date		
gameTimeEastern		time		
homeTeamAbbr		varchar(3)		
visitorTeamAbbr		varchar(3)		

plays

Field	Description	Type	Default	Other
gameId		int		PK, FK
playId		int		PK
playDescription		varchar(500)		
quarter		int		
down		int		
yardsToGo		int		
possessionTeam		varchar(3)		
defensiveTeam		varchar(3)		
yardlineSide		varchar(3)		
yardlineNumber		int		
gameClock		varchar(5)		
preSnapHomeScore		int		
preSnapVisitorScore		int		

Field	Description	Type	Default	Other
passResult		varchar(2)		
penaltyYards		int		
prePenaltyPlayResult		int		
playResult		int		
foulName1		varchar(100)		
foulNFLId1		int		
foulName2		varchar(100)		
foulNFLId2		int		
foulName3		varchar(100)		
foulNFLId3		int		
absoluteYardlineNumber		int		
offenseFormation		varchar(50)		
personnelO		varchar(50)		
defendersInTheBox		int		
personnelD		varchar(50)		
dropbackType		varchar(50)		
pff_playAction		bool		
pff_passCoverage		varchar(50)		
pff_passCoverageType		varchar(50)		

pffscoutingdata

Field	Description	Type	Default	Other
gameId		int		PK, FK
playId		int		PK
nflId		int		PK, FK
pff_role		varchar(50)		
pff_positionLinedUp		varchar(10)		
pff_hit		int		
pff_hurry		int		
pff_sack		int		
pff_beatenByDefender		int		
pff_hitAllowed		int		
pff_hurryAllowed		int		
pff_sackAllowed		int		
pff_nflIdBlockedPlayer		int		FK
pff_blockType		varchar(2)		
pff_backFieldBlock		int		

trackingdata

Field	Description	Type	Default	Other
gameId		int		FK
playId		int		FK
nflId		int		FK
frameId		int		
time		timestamp		
jerseyNumber		int		
club		varchar(10)		
playDirection		varchar(5)		
x		float		
y		float		
s		float		
a		float		
dis		float		
o		float		
dir		float		
event		varchar(50)		

combine

Field	Description	Type	Default	Other
player		varchar(50)		
pos		varchar(5)		
school		varchar(50)		
ht		varchar(10)		
wt		int		
40yd		float		
vertical		float		
bench		int		
broadjump		int		
3cone		float		
shuttle		float		
draftedTeam		varchar(50)		
round		int		
pick		int		
draftedYear		int		