Create table NFL2013 ( GameID integer, GameDate Date, Quarter integer, Minute integer, Second Integer, Offense integer, Defense integer, Down integer, ToGo integer, Yardline integer, Firstdown integer, NextScore integer, Description char(30), TeamWin integer, Year Char(4), Yards integer, Formation char(30), PlayType char(30), isRush integer, isPass integer, isIncomplete integer, isTouchdown integer, PassType char(30), isSack integer, isChallenge integer, ChallengeReversed integer, Challenger char(10), isMeasured integer, isInt integer, isFumble integer, isPenalty integer, isTwoPoint integer, TwoPointSuccess integer, RushDirection char(30), Yardlinefixed integer, YardlineDirection char(30), isPenaltyAccepted integer, PenaltyTeam char(30), isNoPlay integer, PenaltyType char(30), PenaltyYards integer);

Create table NFL2014 ( GameID integer, GameDate Date, Quarter integer, Minute integer, Second Integer, Offense integer, Defense integer, Down integer, ToGo integer, Yardline integer, Firstdown integer, NextScore integer, Description char(30), TeamWin integer, Year Char(4), Yards integer, Formation char(30), PlayType char(30), isRush integer, isPass integer, isIncomplete integer, isTouchdown integer, PassType char(30), isSack integer, isChallenge integer, ChallengeReversed integer, Challenger char(10), isMeasured integer, isInt integer, isFumble integer, isPenalty integer, isTwoPoint integer, TwoPointSuccess integer, RushDirection char(30), Yardlinefixed integer, YardlineDirection char(30), isPenaltyAccepted integer, PenaltyTeam char(30), isNoPlay integer, PenaltyType char(30), PenaltyYards integer);

Create table NFL2015 ( GameID integer, GameDate Date, Quarter integer, Minute integer, Second Integer, Offense integer, Defense integer, Down integer, ToGo integer, Yardline integer, Firstdown integer, NextScore integer, Description char(30), TeamWin integer, Year Char(4), Yards integer, Formation char(30), PlayType char(30), isRush integer, isPass integer, isIncomplete integer, isTouchdown integer, PassType char(30), isSack integer, isChallenge integer, ChallengeReversed integer, Challenger char(10), isMeasured integer, isInt integer, isFumble integer, isPenalty integer, isTwoPoint integer, TwoPointSuccess integer, RushDirection char(30), Yardlinefixed integer, YardlineDirection char(30), isPenaltyAccepted integer, PenaltyTeam char(30), isNoPlay integer, PenaltyType char(30), PenaltyYards integer);

Create table NFL2016 ( GameID integer, GameDate Date, Quarter integer, Minute integer, Second Integer, Offense integer, Defense integer, Down integer, ToGo integer, Yardline integer, scorediff integer, Firstdown integer, scorechange integer, NextScore integer, Description char(30), TeamWin integer, offensescore integer, defensescore integer, Year Char(4), Yards integer, Formation char(30), PlayType char(30), isRush integer, isPass integer, isIncomplete integer, isTouchdown integer, PassType char(30), isSack integer, isChallenge integer, ChallengeReversed integer, Challenger char(10), isMeasured integer, isInt integer, isFumble integer, isPenalty integer, penalizedplayer char(50), isTwoPoint integer, TwoPointSuccess integer, RushDirection char(30), Yardlinefixed integer, YardlineDirection char(30), playid integer, ispreseason integer, isPenaltyAccepted integer, PenaltyTeam char(30), isNoPlay integer, PenaltyType char(30), PenaltyYards integer);

Drop table NFL2014

.import 2014-NFLdata.csv NFL2014;

.separator “,”

.headers on

.mode column

Create table NE13 as select \* from NFL13 where Offense = “NE” or Defense = “NE”;

Created table with 13,14,15 combined because they have all the same variables, 16 has different variables. Figure out how to keep out a few while leaving the rest in, so that you do not have to type all variables you need to keep.

Had to do manually, sql does not allow you to drop columns:

create table NEtotal as select\*from NE13to15 union select GameID, GameDate, Quarter, Minute, Second, Offense, Defense, Down, ToGo, Yardline, Firstdown, NextScore, Description, TeamWin, Year, Yards, Formation, PlayType, isRush, isPass, isIncomplete, isTouchdown, PassType, isSack, isChallenge, ChallengeReversed, Challenger, isMeasured, isInt, isFumble, isPenalty, isTwoPoint, TwoPointSuccess, RushDirection, Yardlinefixed, YardlineDirection, isPenaltyAccepted, PenaltyTeam, isNoPlay, PenaltyType, PenaltyYards from NE16 where isPreseason=0;

Do this for a team that has changed coaches, figure out if the game plan change much when there is a coaching change year to year.

Create table SF13 as select \* from NFL2013 where Offense = "SF" or Defense = "SF";

Create table SF13to15 as select \* from SF13 union select \* from SF14 union select \* from SF15;

create table SFtotal as select\*from SF13to15 union select GameID, GameDate, Quarter, Minute, Second, Offense, Defense, Down, ToGo, Yardline, Firstdown, NextScore, Description, TeamWin, Year, Yards, Formation, PlayType, isRush, isPass, isIncomplete, isTouchdown, PassType, isSack, isChallenge, ChallengeReversed, Challenger, isMeasured, isInt, isFumble, isPenalty, isTwoPoint, TwoPointSuccess, RushDirection, Yardlinefixed, YardlineDirection, isPenaltyAccepted, PenaltyTeam, isNoPlay, PenaltyType, PenaltyYards from SF16 where isPreseason=0;

select gameid, down, togo, yardline, yards, formation, playtype, isrush, ispass, isincomplete, istouchdown, passtype, issack, ischallenge, challenger, isfumble, ispenalty, yardlinedirection, penaltytype, penaltyyards from NEtotal where down = 3;

create table NE3rdDown as select gameid, down, togo, yardline, yards, formation, playtype, isrush, ispass, isincomplete, istouchdown, passtype, issack, ischallenge, challenger, isfumble, ispenalty, yardlinedirection, penaltytype, penaltyyards from NEtotal where down = 3;

.schema NE3rdDown

PRAGMA table\_info(NE3rdDown);

select top 5 \* from [Table\_Name]

SELECT \* FROM Table\_Name LIMIT 5;