

NFL Prediction Results Using Machine Learning

2024 Season

Week 1 Predictions

	game	away_score	home_score
0	2024_01_BAL_KC	18.598629	20.577390
1	2024_01_GB_PHI	24.003713	19.387828
2	2024_01_PIT_ATL	33.924276	26.691375
3	2024_01_ARI_BUF	22.625426	34.182949
4	2024_01_TEN_CHI	19.759321	23.219210
5	2024_01_NE_CIN	19.927231	21.117917
6	2024_01_HOU_IND	21.865194	19.935965
7	2024_01_JAX_MIA	19.473236	25.537512

8	2024_01_CAR_NO	22.329792	30.186428
9	2024_01_MIN_NYG	27.382810	18.235810
10	2024_01_LV_LAC	25.681481	19.659277
11	2024_01_DEN_SEA	27.447198	23.354199
12	2024_01_DAL_CLE	24.478495	25.098578
13	2024_01_WAS_TB	14.940887	22.171603
14	2024_01_LA_DET	28.118428	28.473954
15	2024_01_NYJ_SF	20.883513	34.681224

Results: W, L, W, W, W, L, W, W, W, W, L, L, L, W, W, W

Record This Week: 11-5

Total Record: 11-5

Personal Predictions' Record: 13-3, 13-3

Week 2 Predictions

	game	away_score	home_score
0	2024_02_BUF_MIA	27.253373	22.423425
1	2024_02_LV_BAL	23.299845	28.335418
2	2024_02_LAC_CAR	28.351942	17.294998
3	2024_02_NO_DAL	27.412280	28.252618
4	2024_02_TB_DET	20.989231	31.942993
5	2024_02_IND_GB	23.569178	21.219827
6	2024_02_CLE_JAX	24.731493	24.720719
7	2024_02_SF_MIN	25.616824	20.642401

8	2024_02_SEA_NE	19.441070	14.469489
9	2024_02_NYJ_TEN	21.424488	27.241943
10	2024_02_NYG_WAS	29.870147	23.540197
11	2024_02_LA_ARI	34.150235	27.376812
12	2024_02_PIT_DEN	28.400244	23.369465
13	2024_02_CIN_KC	20.295288	24.689331
14	2024_02_CHI_HOU	18.656648	22.768023
15	2024_02_ATL_PHI	30.543686	26.141346

Results: W, L, W, L, L, L, W, L, W, L, L, L, W, W, W, W

Record This Week: 8-8 Total Record: 19-13

My Predictions: 8-8, 21-11

Week 3 Predictions

	game	away_score	home_score
0	2024_03_NE_NYJ	17.332504	19.072410
1	2024_03_NYG_CLE	19.520656	25.417855
2	2024_03_CHI_IND	19.091445	24.494177
3	2024_03_HOU_MIN	20.449794	21.957281
4	2024_03_PHI_NO	20.525779	23.788283
5	2024_03_LAC_PIT	18.742998	21.748007
6	2024_03_DEN_TB	17.699784	27.616099
7	2024_03_GB_TEN	22.344163	19.035757

8	2024_03_CAR_LV	15.650896	26.293439
9	2024_03_MIA_SEA	22.288018	21.398729
10	2024_03_DET_ARI	26.781101	21.571516
11	2024_03_BAL_DAL	23.362207	22.059195
12	2024_03_SF_LA	25.186494	20.253089
13	2024_03_KC_ATL	26.024157	19.017355
14	2024_03_JAX_BUF	17.706990	28.257621
15	2024_03_WAS_CIN	15.008213	25.945978

Results: W, L, W, W, L, W, L, W, L, L, W, W, L, W, W, L

Record This Week: 9-7 Total Record: 28-20

My Predictions: 8-8, 29-19

Week 4 Predictions

	game	away_score	home_score
0	2024_04_DAL_NYG	22.786175	19.674962
1	2024_04_NO_ATL	21.781476	21.076746
2	2024_04_CIN_CAR	23.084232	14.620817
3	2024_04_LA_CHI	26.430140	20.985508
4	2024_04_MIN_GB	22.487701	26.943138
5	2024_04_JAX_HOU	17.250984	22.411395
6	2024_04_PIT_IND	19.260079	22.610757
7	2024_04_DEN_NYJ	16.968133	20.144979

8	2024_04_PHI_TB	20.168848	22.643596
9	2024_04_WAS_ARI	19.590940	21.230431
10	2024_04_NE_SF	19.702578	29.155024
11	2024_04_KC_LAC	23.939883	18.837093
12	2024_04_CLE_LV	21.200965	18.621154
13	2024_04_BUF_BAL	24.633526	25.027722
14	2024_04_TEN_MIA	19.148775	24.270475
15	2024_04_SEA_DET	20.373571	26.514536

Results: W, L, W, L, L, W, W, L, W, L, W, W, L, W, L, W

Record This Week: 9-7 Total Record: 37-27

My Predictions: 9-7, 38-26

Week 5 Predictions

	game	away_score	home_score
0	2024_05_TB_ATL	21.580903	20.313972
1	2024_05_NYJ_MIN	18.496546	28.604301
2	2024_05_CAR_CHI	20.363040	24.699135
3	2024_05_BAL_CIN	22.911830	18.016078
4	2024_05_BUF_HOU	21.282513	20.000590
5	2024_05_IND_JAX	19.492140	18.374909
6	2024_05_MIA_NE	21.694571	19.103924

7	2024_05_CLE_WAS	23.652009	25.485330
8	2024_05_LV_DEN	16.598276	22.164416
9	2024_05_ARI_SF	20.463044	29.929972
10	2024_05_GB_LA	24.245801	18.976386
11	2024_05_NYG_SEA	19.191540	26.061878
12	2024_05_DAL_PIT	19.942059	17.995414
13	2024_05_NO_KC	19.831235	24.503060

Record This Week: 9-5 Total Record: 46-32

My Predictions: TB, MIN, CHI, BAL, HOU, JAX, NE, WAS, DEN, SF, GB, SEA, DAL, KC

Record: 10-4, 48-30

Week 6 Predictions

	game	away_score	home_score
0	2024_06_SF_SEA	25.312661	18.685313
1	2024_06_JAX_CHI	21.166579	23.247866
2	2024_06_WAS_BAL	23.717053	26.907775
3	2024_06_ARI_GB	22.370668	24.909662
4	2024_06_HOU_NE	24.449787	19.149130
5	2024_06_TB_NO	20.178021	23.081460
6	2024_06_CLE_PHI	20.179299	24.888948

7	2024_06_IND_TEN	18.146413	18.219241
8	2024_06_LAC_DEN	18.897635	21.480821
9	2024_06_PIT_LV	19.081230	19.387340
10	2024_06_ATL_CAR	23.838610	16.142536
11	2024_06_DET_DAL	25.255013	24.618563
12	2024_06_CIN_NYG	22.071446	18.609734
13	2024_06_BUF_NYJ	19.480973	17.916232

Record: 10-4 Total Record: 56-36

My Predictions: SF, CHI, BAL, GB, HOU, TB, PHI, IND, LAC, PIT, ATL, DET, CIN, NYJ
13-1, 61-31

Week 7 Predictions

	game	away_score	home_score
0	2024_07_DEN_NO	23.259347	22.945533
1	2024_07_NE_JAX	18.484633	22.910820
2	2024_07_SEA_ATL	22.765682	26.911709
3	2024_07_TEN_BUF	23.081021	27.434322
4	2024_07_CIN_CLE	17.128418	21.231181
5	2024_07_HOU_GB	25.190920	25.960071
6	2024_07_MIA_IND	20.788285	23.703903
7	2024_07_DET_MIN	24.141253	22.203593

8	2024_07_PHI_NYG	24.323690	18.163874
9	2024_07_LV_LA	17.928019	22.814584
10	2024_07_CAR_WAS	17.248540	31.826445
11	2024_07_KC_SF	24.415840	26.949534
12	2024_07_NYJ_PIT	18.316730	23.292457
13	2024_07_BAL_TB	27.059414	22.172533
14	2024_07_LAC_ARI	21.490809	21.510067

Record (This Week, Season): 12-3, 68-39

My Predictions: DEN, JAX, ATL, BUF, CIN, HOU, IND, DET, PHI, LA, WAS, SF, NYJ, BAL, LAC
10-5, 71-36

Week 8 Predictions

	game	away_score	home_score
0	2024_08_MIN_LA	22.932457	18.204337
1	2024_08_PHI_CIN	23.295895	22.835649
2	2024_08_BAL_CLE	28.803261	19.366131
3	2024_08_TEN_DET	22.249023	30.047105
4	2024_08_IND_HOU	19.234866	22.551830
5	2024_08_GB_JAX	24.151035	21.261503
6	2024_08_ARI_MIA	20.828493	23.825792
7	2024_08_NYJ_NE	22.612050	23.385372

8	2024_08_ATL_TB	23.544583	27.352110
9	2024_08_NO_LAC	19.727331	24.906514
10	2024_08_BUF_SEA	22.471470	21.098966
11	2024_08_CAR_DEN	14.861958	29.887007
12	2024_08_KC_LV	23.241040	14.690703
13	2024_08_CHI_WAS	20.096690	30.524450
14	2024_08_DAL_SF	23.287002	28.421935
15	2024_08_NYG_PIT	16.208849	22.450289

Record (Week, Season): 12-4, 80-43

My Predictions: MIN, CIN, BAL, DET, HOU, GB, ARI, NYJ, ATL, LAC, BUF, DEN, KC, WAS, SF, PIT

12-4, 83-40

Week 9 Predictions

	game	away_score	home_score				
0	2024_09_HOU_NYJ	25.245594	20.338574	8	2024_09_NE_TEN	16.831792	21.410244
1	2024_09_DAL_ATL	25.508121	24.608378	9	2024_09_CHI_ARI	21.919993	23.642838
2	2024_09_DEN_BAL	23.225255	31.319524	10	2024_09_JAX_PHI	18.020479	25.555812
3	2024_09_MIA_BUF	21.447652	27.037022	11	2024_09_DET_GB	25.745792	23.583512
4	2024_09_NO_CAR	25.668197	20.458258	12	2024_09_LA_SEA	21.850807	22.324616
5	2024_09_LV_CIN	15.784506	25.121474	13	2024_09_IND_MIN	19.359512	23.840746
6	2024_09_LAC_CLE	21.678903	20.523492	14	2024_09_TB_KC	18.950657	26.269730
7	2024_09_WAS_NYG	24.166665	15.973414				

Record (Week, Season): 11-4, 91-47

My Predictions: HOU, DAL, BAL, BUF, NO, CIN, LAC, WAS, TEN, ARI, PHI, DET, LA, MIN, KC

My Record: 12-3, 95-43

Week 10 Predictions

	game	away_score	home_score
0	2024_10_CIN_BAL	18.452310	30.943877
1	2024_10_NYG_CAR	23.756967	18.382410
2	2024_10_NE_CHI	18.171401	21.876052
3	2024_10_BUF_IND	23.535037	20.287639
4	2024_10_MIN_JAX	22.878399	20.311072
5	2024_10_DEN_KC	19.547529	25.715439
6	2024_10_ATL_NO	25.113719	20.244354

7	2024_10_SF_TB	28.075777	23.046903
8	2024_10_PIT_WAS	20.205231	27.530888
9	2024_10_TEN_LAC	20.553235	25.842541
10	2024_10_NYJ_ARI	20.814414	26.041225
11	2024_10_PHI_DAL	24.234833	21.013749
12	2024_10_DET_HOU	25.858361	22.252380
13	2024_10_MIA_LA	22.245870	19.864299

Record this Week/Total: 10-4, 101-51

My Predictions: BAL, NYG, CHI, BUF, MIN, KC, ATL, SF, WAS, LAC, NYJ, PHI, DET, LA

My Record: 9-5, 104-48

Week 11 Predictions

	game	away_score	home_score
0	2024_11_WAS_PHI	20.618628	22.346108
1	2024_11_GB_CHI	25.862268	18.900934
2	2024_11_JAX_DET	17.419697	27.306332
3	2024_11_LV_MIA	16.659727	25.326391
4	2024_11_LA_NE	21.020971	20.395444
5	2024_11_CLE_NO	23.312499	24.473098
6	2024_11_IND_NYJ	19.146447	19.184599

7	2024_11_BAL_PIT	23.106076	22.259734
8	2024_11_MIN_TEN	20.791189	18.683841
9	2024_11_ATL_DEN	19.601817	21.887088
10	2024_11_SEA_SF	17.285086	29.950681
11	2024_11_KC_BUF	25.377125	24.952548
12	2024_11_CIN_LAC	19.789393	24.243126
13	2024_11_HOU_DAL	23.899517	20.538564

Record this Week/Total: 10-4, 111-55

My Predictions: PHI, GB, DET, MIA, NE, NO, NYJ, BAL, MIN, ATL, SF, KC, LAC, HOU

My Record (Week/Total): 8-6, 112-54

Week 12 Predictions

	game	away_score	home_score
0	2024_12_PIT_CLE	23.722294	18.480308
1	2024_12_KC_CAR	29.574502	18.064672
2	2024_12_MIN_CHI	25.504118	17.054834
3	2024_12_TEN_HOU	20.947237	26.380751
4	2024_12_DET_IND	24.967192	21.614042
5	2024_12_NE_MIA	16.650423	23.567185
6	2024_12_TB_NYG	21.637594	18.470779

7	2024_12_DAL_WAS	20.925947	27.850603
8	2024_12_DEN_LV	21.677439	16.618564
9	2024_12_SF_GB	26.684814	23.022780
10	2024_12_ARI_SEA	22.033394	23.144569
11	2024_12_PHI_LA	24.233353	17.181093
12	2024_12_BAL_LAC	24.871802	24.575262

Record this Week/Total: 9-4, 120-59

My Predictions: PIT, KC, MIN, HOU, DET, MIA, TB, WAS, DEN, SF, ARI, PHI, BAL

My Record (Week/Total): 8-5, 120-59

Week 13 Predictions

	game	away_score	home_score
0	2024_13_CHI_DET	18.017014	32.527237
1	2024_13_NYG_DAL	17.602160	25.584205
2	2024_13_MIA_GB	20.329847	23.671860
3	2024_13_LV_KC	15.720196	28.152951
4	2024_13_LAC_ATL	22.294802	22.903495
5	2024_13_PIT_CIN	19.910553	23.666144
6	2024_13_HOU_JAX	24.359985	19.230675
7	2024_13_ARI_MIN	18.502585	26.743566

8	2024_13_IND_NE	22.043150	20.915870
9	2024_13_SEA_NYJ	21.741148	21.446588
10	2024_13_TEN_WAS	23.286473	29.808398
11	2024_13_TB_CAR	27.254318	20.837567
12	2024_13_LA_NO	22.590160	23.574717
13	2024_13_PHI_BAL	25.045348	27.443121
14	2024_13_SF_BUF	26.503711	27.520600
15	2024_13_CLE_DEN	18.989199	25.207237

Record this Week/Total: 12-4, 132-63

My Predictions: DET, DAL, GB, KC, LAC, CIN, HOU, MIN, NE, NYJ, WAS, TB, LA, BAL, BUF, DEN

My Record (Week/Total): 12-4, 132-63

Week 14 Predictions

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0	2024_14_GB_DET	23.784402	27.950889
1	2024_14_NYJ_MIA	17.304374	27.130277
2	2024_14_ATL_MIN	17.680085	23.920009
3	2024_14_NO_NYG	21.395661	17.791027
4	2024_14_CAR_PHI	12.609948	30.110883
5	2024_14_CLE_PIT	19.213647	23.130634
6	2024_14_LV_TB	18.059272	25.640908

7	2024_14_JAX_TEN	15.671730	20.950692
8	2024_14_SEA_ARI	21.626610	22.177557
9	2024_14_BUF_LA	22.999449	18.270583
10	2024_14_CHI_SF	18.657105	26.592018
11	2024_14_LAC_KC	18.409504	23.839485
12	2024_14_CIN_DAL	19.933188	20.206091

Record this Week/Total: 9-4, 141-67

My Predictions: DET, MIA, MIN, NO, PHI, PIT, TB, TEN, ARI, BUF, SF, KC, CIN

My Record (Week/Total): 10-3, 142- 66

Week 15 Predictions

	game	away_score	home_score
0	2024_15_LA_SF	18.491254	27.184950
1	2024_15_DAL_CAR	27.615097	21.447430
2	2024_15_KC_CLE	25.410677	19.776360
3	2024_15_MIA_HOU	21.586305	24.030229
4	2024_15_NYJ_JAX	20.620484	24.875823
5	2024_15_WAS_NO	24.362363	21.127410
6	2024_15_BAL_NYG	25.355509	17.849819
7	2024_15_CIN_TEN	19.636323	19.232705

8	2024_15_NE_ARI	20.550051	23.609091
9	2024_15_IND_DEN	19.407312	23.233519
10	2024_15_BUF_DET	23.599899	27.025564
11	2024_15_TB_LAC	21.450297	23.653417
12	2024_15_PIT_PHI	19.754053	25.043966
13	2024_15_GB_SEA	23.871135	22.112695
14	2024_15_CHI_MIN	17.182563	27.962657
15	2024_15_ATL_LV	19.917122	20.018198

Record this Week/Total: 11-5, 152-72

My Predictions: SF, DAL, KC, HOU, NYJ, WAS, BAL, CIN, ARI, DEN, BUF, LAC, PHI, GB, MIN, ATL

My Record (Week/Total): 14-2, 156-68

Week 16 Predictions

	game	away_score	home_score
0	2024_16_DEN_LAC	21.106710	22.799874
1	2024_16_HOU_KC	21.889244	25.104857
2	2024_16_PIT_BAL	22.707376	28.035564
3	2024_16_NYG_ATL	19.341862	27.330327
4	2024_16_NE_BUF	18.018684	29.854670
5	2024_16_ARI_CAR	26.513297	18.803767
6	2024_16_DET_CHI	28.626511	16.780284
7	2024_16_CLE_CIN	22.719812	26.905633

8	2024_16_TEN_IND	19.455229	26.319580
9	2024_16_LA_NYJ	20.682554	20.367855
10	2024_16_PHI_WAS	27.803261	24.456517
11	2024_16_MIN_SEA	23.360722	20.701703
12	2024_16_JAX_LV	18.112851	19.740977
13	2024_16_SF_MIA	25.762532	20.388679
14	2024_16_TB_DAL	25.086098	22.447436
15	2024_16_NO_GB	19.596986	28.791997

Record this Week/Total: 12-4, 164-76

My Predictions: LAC, KC, BAL, ATL, BUF, ARI, DET, CIN, IND, LA, PHI, MIN, LV, MIA, TB, GB

My Record (Week/Total): 13-3, 169-71

Week 17 Predictions

	game	away_score	home_score
0	2024_17_KC_PIT	21.673196	18.923470
1	2024_17_BAL_HOU	25.480889	23.193453
2	2024_17_SEA_CHI	25.000834	18.559959
3	2024_17_LAC_NE	21.025491	18.744550
4	2024_17_DEN_CIN	20.268914	23.662410
5	2024_17_ARI_LA	20.038027	23.301978
6	2024_17_NYJ_BUF	19.947656	31.483982
7	2024_17_TEN_JAX	21.249392	23.508057

8	2024_17_LV_NO	20.581759	21.315581
9	2024_17_IND_NYG	21.451839	15.405444
10	2024_17_DAL_PHI	22.182430	23.738893
11	2024_17_CAR_TB	14.878478	30.194938
12	2024_17_MIA_CLE	23.739724	16.358310
13	2024_17_GB_MIN	23.698560	22.182877
14	2024_17_ATL_WAS	20.794777	26.994862
15	2024_17_DET_SF	25.918960	21.180295

Record this Week/Total: 13-3, 177-79

My Predictions: KC, BAL, SEA, LAC, CIN, LA, BUF, JAX, LV, IND, PHI, TB, MIA, GB, WAS, DET

My Record (Week/Total): 14-2, 183-73

Week 18 Predictions

	game	away_score	home_score
0	2024_18_CLE_BAL	18.806230	34.795282
1	2024_18_CIN_PIT	20.285255	21.602667
2	2024_18_CAR_ATL	17.480892	32.159777
3	2024_18_WAS_DAL	23.483019	19.815186
4	2024_18_CHI_GB	17.170230	29.031703
5	2024_18_JAX_IND	16.325387	23.932033
6	2024_18_BUF_NE	26.719894	18.426639
7	2024_18_NYG_PHI	16.041380	28.932489

8	2024_18_NO_TB	20.082432	27.702490
9	2024_18_HOU_TEN	22.866889	20.776140
10	2024_18_SF_ARI	27.429703	22.523200
11	2024_18_KC_DEN	25.673044	20.796527
12	2024_18_SEA_LA	22.247895	22.183291
13	2024_18_LAC_LV	21.263854	17.352843
14	2024_18_MIA_NYJ	20.651056	16.566813
15	2024_18_MIN_DET	22.850309	27.988481

Record this Week/Total: 9-7, 186-86

My Predictions: BAL, CIN, ATL, DAL, GB, IND, BUF, PHI, TB, HOU, SF, DEN, LA, LAC, NYJ, DET

My Record (Week/Total): 10-6, 193-79

End of Regular Season:

Model's Record: 186-86 (68.4%)

My Record: 193-79 (71.0%)

Wild Card Predictions

	game	away_score	home_score
0	2024_19_LAC_HOU	21.980393	23.228774
1	2024_19_PIT_BAL	19.599268	29.853179
2	2024_19_DEN_BUF	21.798327	27.025894
3	2024_19_GB_PHI	22.446645	22.631932
4	2024_19_WAS_TB	22.180255	24.638365
5	2024_19_MIN_LA	22.156263	21.691571

Record this Week/Total: 4-2, 190-88

My Predictions: LAC (27-20), BAL (34-17), BUF(38-17), PHI (27-24), TB(24-23), LAR(23-20)

My Record (Week/Total): 4-2, 197-81

Divisional Predictions

	game	away_score	home_score
0	2024_20_HOU_KC	22.599020	24.680704
1	2024_20_WAS_DET	22.331635	25.589720
2	2024_20_LA_PHI	18.429479	23.774294
3	2024_20_BAL_BUF	26.237585	27.328587

Record this Week/Total: 3-1, 193-89

My Predictions: KC (27-20), DET (34-20), PHI (23-17), BUF (27-24)

My Record (Week/Total): 3-1, 200-82

Conference Championship Predictions

	game	away_score	home_score
0	2024_21_WAS_PHI	20.268651	23.306724
1	2024_21_BUF_KC	22.644134	23.620451

Record this Week/Total: 2-0, 195-89

My Predictions: PHI (27-20), BUF (33-30)

My Record (Week/Total): 1-1, 201-83

Super Bowl

	game	away_score	home_score
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0	2024_22_KC_PHI	21.955845	21.683713
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My prediction: KC over PHI 30-27

Record: 0-1

Playoff Results

Model's Record: 9-4

My Record: 8-5