Consolidated Football Metrics Comparison

2025-03-31

Table 1: Consolidated Football Metrics - Outcome vs. Select

Variable	Available In	Outcome Data							Select Data						
		Mean	Median	SD	Min	Max	Zero Count	Zero %	Mean	Median	SD	Min	Max	Zero Count	Zero %
Conversion	Outcome Only	0.52	1.00	0.50	0.00	1.00	1923	47.85							
Attempt	Select Only								0.22	0.00	0.41	0.00	1.00	19970	77.98
Yards to Go	Both	4.12	2.00	4.58	1.00	34.00	0	0.00	7.77	7.00	5.73	1.00	46.00	0	0.00
Vegas Win Prob	Both	0.33	0.21	0.34	0.00	1.00	0	0.00	0.47	0.45	0.32	0.00	1.00	0	0.00
Spread Line	Both	1.98	3.00	6.35	-18.00	22.00	0	0.00	1.79	2.50	6.36	-18.00	22.00	44	0.17
Total Line	Both	45.43	45.50	4.55	30.00	63.50	0	0.00	45.01	45.00	4.56	30.00	63.50	0	0.00
Temperature	Both	60.84	70.00	15.35	6.00	93.00	0	0.00	61.73	70.00	15.14	6.00	97.00	0	0.00
Wind	Both	5.34	4.00	5.93	0.00	44.00	1604	39.91	5.42	4.00	5.73	0.00	44.00	9639	37.64
Def Stop Rate (Run)	Both	0.75	0.75	0.04	0.47	1.00	0	0.00	0.75	0.75	0.05	0.47	1.00	0	0.00
Def Stop Rate (Pass)	Both	0.67	0.67	0.04	0.39	0.86	0	0.00	0.67	0.67	0.04	0.37	0.91	0	0.00
QB Short Pass	Outcome Only	62.06	64.84	13.90	0.00	90.20	164	4.08							
QB Medium Pass	Outcome Only	63.36	66.97	17.08	0.00	99.10	209	5.20							
QB Deep Pass	Outcome Only	64.38	68.19	18.35	0.00	96.40	220	5.47							
Starter QB Short	Both	63.95	65.13	9.26	0.00	86.40	58	1.44	63.89	65.12	9.38	0.00	86.40	387	1.51
Starter QB Medium	Both	66.35	67.70	11.16	0.00	94.50	57	1.42	66.36	67.89	11.41	0.00	94.50	395	1.54
Starter QB Deep	Both	67.47	68.76	11.93	0.00	96.00	60	1.49	67.35	68.84	12.14	0.00	99.00	424	1.66

Dataset information: Outcome dataset: 4019 observations, 438 columns | Select dataset: 25608 observations, 123 columns