

Model Evaluation 2017

Data Golf

August 12, 2017

The tables in this document provides all information on the model's overall performance to date. To understand the tables, let's focus on the first row and the two columns under the heading "Win" of the first table. The second column gives the number of (i.e. the "N") players we have predicted to have a 0% – 2% chance of winning a tournament. The third column gives the percentage of these players that actually went on to win. The columns under the headings "Top 5", "Top 20", and "Made Cut" are similarly interpreted. If the model is performing well, we want the percentages under "Actual" for each category (Win, Top 5, Top 20, Made Cut) to be in the interval specified for that row under "Prediction".

The first table classifies predictions into finer intervals (2% at a time), while the second table uses broader intervals (10%). The former is better for evaluating wins (where most predictions are under 6%), while the latter is better for evaluating made cuts (where a good amount of predictions fall anywhere between 20% and 80%).

24-Week Model Evaluation: 2% Intervals

Prediction	Win		Top 5		Top 20		Made Cut	
	N	Actual	N	Actual	N	Actual	N	Actual
0% - 2%	2823	0.53%	1253	1.36%	160	3.12%	0	
2% - 4%	160	1.88%	828	3.86%	137	5.84%	1	0%
4% - 6%	32	9.38%	446	8.07%	226	4.42%	1	0%
6% - 8%	14	0%	230	8.26%	314	7.32%	2	0%
8% - 10%	11	18.18%	110	11.82%	344	8.72%	5	20%
10% - 12%	5	0%	57	12.28%	314	10.51%	5	0%
12% - 14%	1	0%	29	24.14%	266	16.92%	15	26.67%
14% - 16%	0		31	19.35%	184	21.2%	10	0%
16% - 18%	0		13	15.38%	213	15.96%	13	15.38%
18% - 20%	0		11	9.09%	163	25.15%	30	23.33%
20% - 22%	0		7	28.57%	126	26.19%	39	10.26%
22% - 24%	0		4	0%	116	26.72%	27	22.22%
24% - 26%	0		11	9.09%	99	24.24%	13	38.46%
26% - 28%	0		7	42.86%	73	28.77%	28	28.57%
28% - 30%	0		4	50%	65	32.31%	27	22.22%
30% - 32%	0		3	0%	48	29.17%	35	34.29%
32% - 34%	0		2	50%	32	37.5%	37	32.43%
34% - 36%	0		0		26	30.77%	32	31.25%
36% - 38%	0		0		21	47.62%	68	38.24%
38% - 40%	0		0		19	68.42%	85	34.12%
40% - 42%	0		0		23	47.83%	83	32.53%
42% - 44%	0		0		7	28.57%	115	48.7%
44% - 46%	0		0		16	62.5%	152	44.74%
46% - 48%	0		0		8	25%	157	37.58%
48% - 50%	0		0		8	62.5%	178	50%
50% - 52%	0		0		5	40%	156	53.21%
52% - 54%	0		0		2	50%	166	48.19%
54% - 56%	0		0		7	42.86%	159	54.72%
56% - 58%	0		0		14	57.14%	170	63.53%
58% - 60%	0		0		2	100%	133	57.89%
60% - 62%	0		0		2	100%	148	57.43%
62% - 64%	0		0		3	66.67%	128	64.06%
64% - 66%	0		0		1	100%	106	69.81%
66% - 68%	0		0		2	100%	123	72.36%
68% - 70%	0		0		0		102	66.67%
70% - 72%	0		0		0		93	73.12%
72% - 74%	0		0		0		52	69.23%
74% - 76%	0		0		0		51	82.35%
76% - 78%	0		0		0		47	78.72%
78% - 80%	0		0		0		35	80%
80% - 82%	0		0		0		15	73.33%
82% - 84%	0		0		0		26	84.62%
84% - 86%	0		0		0		15	80%
86% - 88%	0		0		0		6	100%
88% - 90%	0		0		0		8	62.5%
90% - 92%	0		0		0		1	100%
92% - 94%	0		0		0		0	
94% - 96%	0		0		0		1	100%
96% - 98%	0		0		0		0	
98% - 100%	0		0		0		147	100%

24-Week Model Evaluation: 10% Intervals

Prediction	Win		Top 5		Top 20		Made Cut	
	N	Actual	N	Actual	N	Actual	N	Actual
0% - 10%	3040	0.76%	2867	4.08%	1181	6.44%	9	11.11%
10% - 20%	6	0%	141	16.31%	1140	16.84%	73	17.81%
20% - 30%	0		33	24.24%	479	27.14%	135	22.22%
30% - 40%	0		5	20%	146	39.04%	256	34.38%
40% - 50%	0		0		62	48.39%	685	43.65%
50% - 60%	0		0		30	53.33%	784	55.48%
60% - 70%	0		0		8	87.5%	606	65.51%
70% - 80%	0		0		0		279	75.99%
80% - 90%	0		0		0		70	80%
90% - 100%	0		0		0		149	100%