

Model Evaluation 2017

Data Golf

October 9, 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%).

2017 Model Evaluation: 2% Intervals

Prediction	Win		Top 5		Top 20		Made Cut	
	N	Actual	N	Actual	N	Actual	N	Actual
0% - 2%	3339	0.51%	1448	1.17%	184	2.72%	0	
2% - 4%	186	2.15%	1004	3.59%	160	5.62%	1	0%
4% - 6%	49	6.12%	534	7.49%	256	4.69%	1	0%
6% - 8%	20	5%	273	7.69%	361	6.93%	2	0%
8% - 10%	14	14.29%	127	12.6%	391	8.7%	5	20%
10% - 12%	6	16.67%	68	11.76%	361	11.63%	7	0%
12% - 14%	1	0%	35	28.57%	310	16.13%	15	26.67%
14% - 16%	0		35	25.71%	247	19.03%	21	0%
16% - 18%	0		20	20%	242	16.53%	13	23.08%
18% - 20%	0		22	13.64%	207	23.67%	31	22.58%
20% - 22%	0		11	27.27%	156	25.64%	44	13.64%
22% - 24%	0		6	16.67%	137	27.01%	28	21.43%
24% - 26%	0		12	16.67%	123	26.02%	17	35.29%
26% - 28%	0		10	30%	87	27.59%	31	25.81%
28% - 30%	0		5	60%	74	32.43%	30	23.33%
30% - 32%	0		3	0%	63	28.57%	40	32.5%
32% - 34%	0		2	50%	38	44.74%	41	34.15%
34% - 36%	0		0		30	26.67%	39	35.9%
36% - 38%	0		0		26	50%	79	40.51%
38% - 40%	0		0		23	69.57%	96	35.42%
40% - 42%	0		0		28	53.57%	89	33.71%
42% - 44%	0		0		9	44.44%	130	48.46%
44% - 46%	0		0		22	68.18%	164	45.12%
46% - 48%	0		0		13	30.77%	171	37.43%
48% - 50%	0		0		13	69.23%	195	50.26%
50% - 52%	0		0		7	42.86%	184	54.35%
52% - 54%	0		0		6	33.33%	193	50.26%
54% - 56%	0		0		11	45.45%	189	55.03%
56% - 58%	0		0		16	56.25%	195	60.51%
58% - 60%	0		0		4	100%	157	57.32%
60% - 62%	0		0		2	100%	173	57.23%
62% - 64%	0		0		4	50%	156	62.18%
64% - 66%	0		0		2	100%	122	68.85%
66% - 68%	0		0		2	100%	141	71.63%
68% - 70%	0		0		0		125	67.2%
70% - 72%	0		0		0		114	71.93%
72% - 74%	0		0		0		68	70.59%
74% - 76%	0		0		0		66	84.85%
76% - 78%	0		0		0		60	80%
78% - 80%	0		0		0		45	80%
80% - 82%	0		0		0		25	80%
82% - 84%	0		0		0		37	86.49%
84% - 86%	0		0		0		26	88.46%
86% - 88%	0		0		0		12	100%
88% - 90%	0		0		0		13	69.23%
90% - 92%	0		0		0		3	100%
92% - 94%	0		0		0		5	80%
94% - 96%	0		0		0		1	100%
96% - 98%	0		0		0		0	
98% - 100%	0		0		0		215	100%

2017 Model Evaluation: 10% Intervals

Prediction	Win		Top 5		Top 20		Made Cut	
	N	Actual	N	Actual	N	Actual	N	Actual
0% - 10%	3608	0.75%	3386	3.84%	1352	6.29%	9	11.11%
10% - 20%	7	14.29%	180	18.89%	1367	16.68%	87	16.09%
20% - 30%	0		44	27.27%	577	27.21%	151	22.52%
30% - 40%	0		5	20%	180	40%	294	36.05%
40% - 50%	0		0		85	55.29%	749	43.93%
50% - 60%	0		0		44	52.27%	918	55.45%
60% - 70%	0		0		10	80%	716	64.8%
70% - 80%	0		0		0		354	76.55%
80% - 90%	0		0		0		113	84.96%
90% - 100%	0		0		0		224	99.5%