

Appendix

A: Metric Weights Trained With Logistic Regression Coefficients and Descriptions (Sorted by Weight)

Variables with a * were observed from tournament brackets from NCAA.com. All other variables and descriptions were supplied from KenPom.com

Table 1: Logistic Regression Explanatory Variable Coefficients and Descriptions

Name	Weight	Description
WinPercent	1.3227645470950296	The number of games a team has won divided by the number of games they have played
AdjEM	1.006828995087707	Adjusted Efficiency Margin
MVC	0.7557164802381817	Binary Label whether or not a team is from the Missouri Valley Conference
P10	0.7337197608320267	Binary Label whether or not a team is from the Pac-10 Conference
AdjO	0.719469500247359	Adjusted Offensive Efficiency: points scored per 100 possessions (adjusted for opponent)
SB	0.6108704486584412	Binary Label whether or not a team is from the Sun Belt Conference
ACC	0.5854538133688745	Binary Label whether or not a team is from the Atlantic Coast Conference
Ivy	0.4314985871056517	Binary Label whether or not a team is from the Ivy League
B10	0.3766945620180249	Binary Label whether or not a team is from the Big-10 Conference
A10	0.372225254274542	Binary Label whether or not a team is from the Atlantic 10 Conference
P12	0.34747521571054907	Binary Label whether or not a team is from the Pac-12 Conference
ASun	0.345149941588819	Binary Label whether or not a team is from the Atlantic Sun Conference
MEAC	0.33905495414973863	Binary Label whether or not a team is from the Mid-Eastern Athletic Conference
Slnd	0.2978317985170234	Binary Label whether or not a team is from the Southland Conference
CAA	0.22924042597105887	Binary Label whether or not a team is from the Colonial Athletic Association Conference
OVC	0.1994878446646601	Binary Label whether or not a team is from the Ohio Valley Conference
CUSA	0.18725804072269067	Binary Label whether or not a team is from the Conference USA Conference
OppO	0.12270952729677145	Average Adjusted Offensive Efficiency of Opposing Offenses
AdjEM1	0.10254456325918891	Strength of Schedule Rating
AQ/Conference_Winner*	0.09177012190665626	Binary Label whether or not a team qualified for the tournament by winning their respective conference
OppD	0.09067053354239106	Average Adjusted Defensive Efficiency of Opposing Defenses
WCC	0.06657658823493708	Binary Label whether or not a team is from the West Coast Conference
AdjEM2	0.057545461871460445	Non-Conference Strength of Schedule Rating
First_Four_Team*	0.03728881241460027	Binary Label whether or not a team is a First Four Team
BE	0.030236490807873478	Binary Label whether or not a team is from the Big East Conference

Amer	0.015065800495000422	Binary Label whether or not a team is from the American Athletic Conference
SEC	0.0002992397103919935	Binary Label whether or not a team is from the Southeastern Conference
Pat	-0.06934310041414823	Binary Label whether or not a team is from the Patriot League Conference
BW	-0.12934606287296957	Binary Label whether or not a team is from the Big West Conference
SWAC	-0.1321313414254945	Binary Label whether or not a team is from the Southwestern Athletic Conference
MAC	-0.20916693105930786	Binary Label whether or not a team is from the Mid American Conference
Horz	-0.23784163283024828	Binary Label whether or not a team is from the Horizon League Conference
NEC	-0.2442587501534386	Binary Label whether or not a team is from the Northeast Conference
AdjT	-0.2573563373843991	Adjusted tempo: possessions per 40 minutes (adjusted for opponent)
Sum	-0.289869916699912	Binary Label whether or not a team is from the Summit League Conference
BSth	-0.38217597870708325	Binary Label whether or not a team is from the Big South Conference
MWC	-0.40468868907890354	Binary Label whether or not a team is from the Mountain West Conference
Luck	-0.4147832057654808	Luck Rating
B12	-0.42915473269911913	Binary Label whether or not a team is from the Big-12 Conference
AE	-0.528245398942584	Binary Label whether or not a team is from the American East Conference
BSky	-0.573805784285478	Binary Label whether or not a team is from the Big Sky Conference
MAAC	-0.6039137652599686	Binary Label whether or not a team is from the Metro Atlantic Athletic Conference
AP_Preseason_Rank*	-0.6513472098809244	The Overall Ranking of a team before the season starts, as voted upon by the Associated Press Poll
AdjD	-0.6811042077484617	Adjusted Defensive Efficiency: points allowed per 100 possessions (adjusted for opponent)
SC	-0.7740747715652465	Binary Label whether or not a team is from the Southern Conference
WAC	-0.9161755247365548	Binary Label whether or not a team is from the Western Athletic Conference
Rank	-1.058254251824091	Overall Ranking of a Team Compared to the Field of All NCAA Teams
Seeds	-1.602315946513581	The seed assigned to a team between one and 16

B

Table 2: Chalk Indexes for all NCAA Men's Basketball Tournament Brackets from 1985-2022

Year	Chalk Index (Max: 2528)	Year	Chalk Index (Max: 2528)
1985	541	2004	260
1986	372	2005	226
1987	213	2006	405
1988	421	2007	55
1989	278	2008	142
1990	339	2009	112
1991	261	2010	316
1992	286	2011	595
1993	118	2012	224
1994	173	2013	370
1995	150	2014	732
1996	207	2015	179
1997	341	2016	307
1998	275	2017	212
1999	238	2018	375
2000	421	2019	178
2001	227	2020	NA
2002	309	2021	362
2003	264	2022	462

Table 3: Chalk Indexes for all NBA Playoff Brackets from 1985-2022

Year	Chalk Index (Max: 192)	Year	Chalk Index (Max: 192)
1985	6	2004	30
1986	4	2005	20
1987	21	2006	33
1988	7	2007	47
1989	19	2008	2
1990	22	2009	14
1991	19	2010	26
1992	5	2011	44
1993	16	2012	30
1994	41	2013	19
1995	73	2014	9
1996	7	2015	6
1997	2	2016	3
1998	10	2017	5
1999	52	2018	34
2000	6	2019	14
2001	17	2020	29
2002	28	2021	45
2003	10	2022	36