	Name	Distribution	Mean	Mode	Median	Dispersion	Min.	Max.	Missing
C	pais			GER		3.89			0 (0 %)
N	participaciones		5.95	1	3	1.33	1	53	0 (0 %)
N	titulos		0.13	0	0	6.79	0	14	0 (0 %)
N	totpart		29.94	2	8	1.87	1	476	0 (0 %)
N	partganad		11.71	0	2	2.38	0	285	0 (0 %)
N	partempat		6.51	0	2	1.93	0	81	0 (0 %)
N	partperd		11.71	2	4	1.49	0	110	0 (0 %)
N	afavor		42.46	1	9	2.29	0	1047	0 (0 %)
N	encontra		42.46	5	16	1.57	1	521	0 (0 %)
N	puntos		29.94	0	6	2.26	0	651	0 (0 %)
N	diferengoles		0	-1	-4	∞	-115	526	0 (0 %)
N	porganarchampions		0.620776	0.00	0.00	6.9485	0.00	66.6667	0 (0 %)
N	porganarpartido		26.7636	0.00	29.1667	0.71777	0.00	83.3333	0 (0 %)
N	porperderpartido		53.5689	50	50	0.432807	0.00	100	0 (0 %)
N	poremppartido		19.6675	0.00	18.75	0.862614	0.00	100	0 (0 %)
N	porcapacidad_ofensiva		37.3718	0.00	40.7378	0.48764	0.00	77.7778	0 (0 %)
N	porcapacidad_defensiva		62.6282	100	59.2622	0.290987	22.2222	100	0 (0 %)
N	pordiferencia_ofen_defend		-25.2563	-100	-18.5243	-1.44313	-100	55.5556	0 (0 %)

Gráficas y análisis de los datos iniciales

Data instances: 536
Features: 18
Meta attributes: 1

	club	pais	participaciones	titulos	totpart	partganad	partempat	partperd	afavor	encontra	puntos	diferengoles	porganarchampions	porganarpartido	po
1	Real Madrid CF	ESP	53	14	476	285	81	110	1047	521	651	526	26.4151	59.8739	
2	FC Bayern München	GER	39	6	382	229	76	77	804	373	534	431	15.3846	59.9476	
3	FC Barcelona	ESP	33	5	339	197	76	66	667	343	470	324	15.1515	58.1121	
4	Manchester United	ENG	30	3	293	160	69	64	533	284	389	249	10	54.6075	
5	Juventus	ITA	37	2	301	153	70	78	479	301	376	178	5.40541	50.8306	
6	Liverpool FC	ENG	27	6	248	142	50	56	472	228	334	244	22.2222	57.2581	
7	AC Milan	ITA	30	7	267	131	68	68	437	251	330	186	23.3333	49.0637	
8	SL Benfica	POR	42	2	287	130	67	90	475	334	327	141	4.7619	45.2962	
9	FC Porto	POR	37	2	269	121	61	87	395	304	303	91	5.40541	44.9814	
10	AFC Ajax	NED	39	4	247	112	64	71	396	282	288	114	10.2564	45.3441	
11	FC Dynamo Kyiv	UKR	39	0	254	104	55	95	350	315	263	35	0	40.9449	
12	Chelsea FC	ENG	19	2	201	104	53	44	342	181	261	161	10.5263	51.7413	
13	FC Internazionale Milano	ITA	24	3	205	98	54	53	290	204	250	86	12.5	47.8049	
14	Arsenal FC	ENG	21	0	201	101	43	57	332	218	245	114	0	50.2488	
15	Celtic FC	SCO	37	1	222	101	39	82	337	270	241	67	2.7027	45.4955	
16	Borussia Dortmund	GER	21	1	170	81	33	56	287	214	195	73	4.7619	47.6471	
17	Club Atlético de Madrid	ESP	18	0	160	76	42	42	226	152	194	74	0	47.5	
18	RSC Anderlecht	BEL	34	0	200	70	44	86	282	320	184	-38	0	35	
19	PSV Eindhoven	NED	30	1	187	69	44	74	249	234	182	15	3.33333	36.8984	
20	Paris Saint-Germain	FRA	16	0	143	77	27	39	283	166	181	117	0	53.8462	
21	FK Crvena zvezda	SRB	28	1	151	70	33	48	278	203	173	75	3.57143	46.3576	
22	Rangers FC	SCO	32	0	173	64	41	68	242	248	169	-6	0	36.9942	
23	Olympiacos FC	GRE	35	0	186	66	36	84	222	283	168	-61	0	35.4839	
24	Olympique Lyonnais	FRA	18	0	148	65	37	46	232	178	167	54	0	43.9189	
25	GNK Dinamo Zagreb	CRO	24	0	156	65	32	59	230	217	162	13	0	41.6667	
26	Galatasaray AŞ	TUR	27	0	177	57	43	77	215	279	157	-64	0	32.2034	
27	Manchester City FC	ENG	13	1	119	66	24	29	245	131	156	114	7.69231	55.4622	
28	FC Shakhtar Donetsk	UKR	23	0	152	58	36	58	214	231	152	-17	0	38.1579	
29	Valencia CF	ESP	13	0	128	57	35	36	191	130	149	61	0	44.5312	
30	Rosenborg BK	NOR	25	0	152	58	31	63	224	232	147	-8	0	38.1579	
31	FCSB	ROU	26	1	145	52	41	52	203	204	145	-1	3.84615	35.8621	
32	Panathinaikos FC	GRE	28	0	157	49	45	63	182	214	143	-32	0	31.2102	
33	AC Sparta Praha	CZE	28	0	146	54	30	62	190	203	138	-13	0	36.9863	
34	FC Basel 1893	SUI	21	0	118	47	23	48	170	192	117	-22	0	39.8305	
35	AS Monaco FC	FRA	18	0	118	46	24	48	185	159	116	26	0	38.9831	
36	Club Brugge	BEL	23	0	127	43	30	54	157	186	116	-29	0	33.8583	
37	Bayer 04 Leverkusen	GER	13	0	117	43	26	48	171	180	112	-9	0	36.7521	
38	Olympique de Marseille	FRA	16	1	114	46	19	49	161	139	111	22	6.25	40.3509	
39	FC Spartak Moskva	RUS	21	0	124	40	31	53	173	193	111	-20	0	32.2581	
40	AS Roma	ITA	13	0	110	41	27	42	148	158	109	-10	0	37.2727	
41	FK Partizan	SRB	22	0	105	41	24	40	161	133	106	28	0	39.0476	
42	FC BATE Borisov	BLR	15	0	100	36	30	34	111	138	102	-27	0	36	
43	F.C. Copenhagen	DEN	16	0	94	38	23	33	126	113	99	13	0	40.4255	
44	PFC CSKA Sofia	BUL	25	0	98	41	16	41	140	144	98	-4	0	41.8367	
45	FC Salzburg	AUT	18	0	86	35	22	29	125	115	92	10	0	40.6977	
46	PFC CSKA Moskva	RUS	15	0	104	34	24	46	125	155	92	-30	0	32.6923	
47	Feyenoord	NED	17	1	89	34	23	32	147	116	91	31	5.88235	38.2022	
48	Legia Warszawa	POL	15	0	76	37	15	24	106	91	89	15	0	48.6842	
49	Malmö FF	SWE	19	0	95	33	23	39	103	148	89	-45	0	34.7368	
50	FC Sheriff Tiraspol	MDA	20	0	90	33	19	38	94	93	85	1	0	36.6667	

#	Team	Country												
51	Fenerbahçe SK	TUR	27	0	107	32	21	54	120	179	85	-59	0	29.9065
52	NK Maribor	SVN	16	0	82	32	20	30	94	111	84	-17	0	39.0244
53	Sporting Clube de Portugal	POR	23	0	106	31	22	53	140	178	84	-38	0	29.2453
54	IFK Göteborg	SWE	15	0	82	35	13	34	138	119	83	19	0	42.6829
55	APOEL FC	CYP	18	0	94	29	25	40	99	122	83	-23	0	30.8511
56	Vasas FC	HUN	6	0	27	12	6	9	62	34	30	28	0	44.4444
57	1. FC Dynamo Dresden	GER	7	0	30	12	6	12	48	44	30	4	0	40
58	Nottingham Forest FC	ENG	3	2	20	12	4	4	32	14	28	18	66.6667	60
59	FBK Kaunas	LTU	8	0	28	11	6	11	41	39	28	2	0	39.2857
60	Athletic Club	ESP	5	0	28	10	8	10	38	36	28	2	0	35.7143
61	Trabzonspor AŞ	TUR	10	0	30	10	8	12	25	36	28	-11	0	33.3333
62	Molde FK	NOR	5	0	27	8	11	8	39	30	27	9	0	29.6296
63	Budapest Honvéd FC	HUN	10	0	30	12	3	15	47	54	27	-7	0	40
64	Debreceni VSC	HUN	7	0	32	11	5	16	37	50	27	-13	0	34.375
65	FC Pyunik	ARM	12	0	38	9	9	20	33	62	27	-29	0	23.6842
66	F91 Diddeleng	LUX	17	0	44	10	7	27	50	92	27	-42	0	22.7273
67	VfB Stuttgart	GER	5	0	29	9	8	12	35	42	26	-7	0	31.0345
68	Newcastle United FC	ENG	3	0	24	11	3	10	33	33	25	0	0	45.8333
69	The New Saints FC	WAL	14	0	38	10	5	23	37	65	25	-28	0	26.3158
70	VfL Wolfsburg	GER	3	0	22	10	3	9	29	29	23	0	0	45.4545
71	KKS Lech Poznań	POL	8	0	26	11	1	14	29	43	23	-14	0	42.3077
72	MŠK Žilina	SVK	7	0	28	9	5	14	27	45	23	-18	0	32.1429
73	Valletta FC	MLT	18	0	46	8	7	31	38	113	23	-75	0	17.3913
74	1. FC Köln	GER	3	0	17	7	8	2	27	19	22	8	0	41.1765
75	Atalanta BC	ITA	3	0	23	8	6	9	40	43	22	-3	0	34.7826
76	MTK Budapest	HUN	7	0	24	10	2	12	41	46	22	-5	0	41.6667
77	Boavista FC	POR	3	0	24	7	8	9	27	32	22	-5	0	29.1667
78	Real Sociedad de Fútbol	ESP	4	0	26	8	6	12	24	29	22	-5	0	30.7692
79	Aston Villa FC	ENG	2	1	15	9	3	3	24	10	21	14	50	60
80	Hapoel Beer-Sheva FC	ISR	3	0	16	9	3	4	27	24	21	3	0	56.25
81	FC Midtjylland	DEN	5	0	24	7	7	10	25	33	21	-8	0	29.1667
82	PAOK FC	GRE	9	0	28	6	9	13	36	49	21	-13	0	21.4286
83	MFK Petržalka	SVK	2	0	18	7	6	5	25	24	20	1	0	38.8889
84	RTS Widzew Łódź	POL	5	0	26	9	2	15	48	51	20	-3	0	34.6154
85	Aalborg BK	DEN	4	0	24	7	6	11	32	41	20	-9	0	29.1667
86	AJ Auxerre	FRA	3	0	24	9	2	13	19	31	20	-12	0	37.5
87	FK Žalgiris Vilnius	LTU	8	0	24	8	4	12	21	37	20	-16	0	33.3333
88	FC Wacker Innsbruck	AUT	9	0	27	8	4	15	37	54	20	-17	0	29.6296
89	KF Tirana	ALB	15	0	40	8	4	28	37	65	20	-28	0	20
90	Dundalk FC	IRL	12	0	33	4	12	17	24	60	20	-36	0	12.1212
91	FFC Victoria 91	GER	6	0	22	9	1	12	35	33	19	2	0	40.9091
92	Neftçi PFK	AZE	7	0	22	7	5	10	18	36	19	-18	0	31.8182
93	KRC Genk	BEL	6	0	30	5	9	16	27	65	19	-38	0	16.6667
94	FC Aktobe	KAZ	5	0	16	7	4	5	23	18	18	5	0	43.75
95	OGC Nice	FRA	3	0	18	7	4	7	32	32	18	0	0	38.8889
96	Servette FC	SUI	7	0	21	6	6	9	32	39	18	-7	0	28.5714
97	FC Levadia Tallinn	EST	8	0	21	6	6	9	21	29	18	-8	0	28.5714
98	FK Vardar	MKD	8	0	24	5	8	11	30	40	18	-10	0	20.8333
99	AS Jeunesse Esch	LUX	22	0	49	7	4	38	43	158	18	-115	0	14.2857
100	Eintracht Frankfurt	GER	2	0	15	7	3	5	30	28	17	2	0	46.6667
	+ 436 more													

Data Sampler   Thu Apr 11 24, 18:12:15

Sampling type: Random sample with 70 % of data, deterministic
Input: 536 instances
Sample: 376 instances
Remaining: 160 instances

División de los datos en train y test.

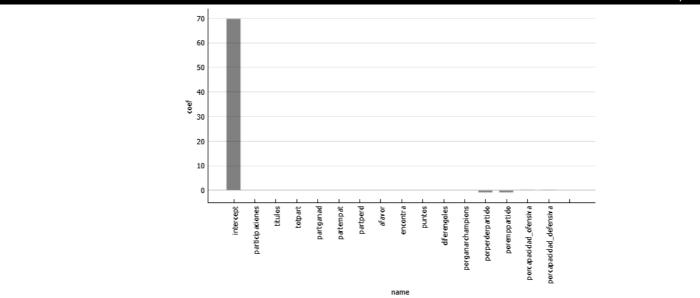**Select Columns**   Thu Apr 11 24, 18:12:33

Input data

Features: pais, participaciones, titulos, totpart, partganad, partempat, partperd, afavor, encontra, puntos, diferengoles, porganarchampions, porganarpartido, porperderpartido, poremppartido, porcapacidad_ofensiva, porcapacidad_defensiva, pordiferencia_ofen_defend (total: 18 features)
Meta attributes: club

Output data

Features: participaciones, titulos, totpart, partganad, partempat, partperd, afavor, encontra, puntos, diferengoles, porganarchampions, porperderpartido, poremppartido, porcapacidad_ofensiva, porcapacidad_defensiva, pordiferencia_ofen_defend (total: 16 features)
Meta attributes: club
Target: porganarpartido

Removed: 1 (pais)

Indicamos la columna a predecir y quitamos la columna categórica.

Linear Regression   Thu Apr 11 24, 18:13:34

Name: Linear Regression

Model parameters

Regularization: No Regularization
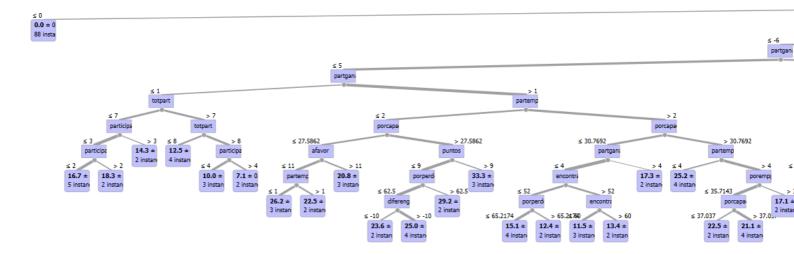**Fit intercept:** Yes

Data

Data instances: 376
Features: participaciones, titulos, totpart, partganad, partempat, partperd, afavor, encontra, puntos, diferengoles, porganarchampions, porperderpartido, poremppartido, porcapacidad_ofensiva, porcapacidad_defensiva, pordiferencia_ofen_defend (total: 16 features)
Meta attributes: club
Target: porganarpartido

Realizamos una regresión lineal y la visualizamos.

Bar Plot   Thu Apr 11 24, 18:13:40

Name: Neural Network

Model parameters

Hidden layers: 100
Activation: ReLu
Solver: Adam
Alpha: 0.0001
Max iterations: 200
Replicable training: Yes

Data

Data instances: 376
Features: participaciones, titulos, totpart, partganad, partempat, partperd, afavor, encontra, puntos, diferengoles, porganarchampions, porperderpartido, poremppartido, porcapacidad_ofensiva, porcapacidad_defensiva, pordiferencia_ofen_defend (total: 16 features)
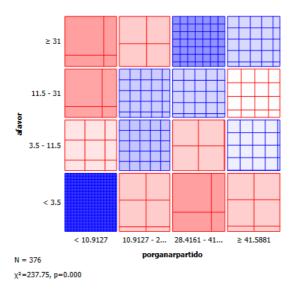**Meta attributes:** club
Target: porganarpartido

Sometemos los datos a distintos modelos para comparar su rendimiento y eficancia después.

Name: Gradient Boosting

Model parameters

Method: Gradient Boosting (scikit-learn)
Number of trees: 100
Learning rate: 0.1
Replicable training: Yes
Maximum tree depth: 3
Fraction of training instances: 1
Stop splitting nodes with maximum instances: 2

Data

Data instances: 376
Features: participaciones, titulos, totpart, partganad, partempat, partperd, afavor, encontra, puntos, diferengoles, porganarchampions, porperderpartido, poremppartido, porcapacidad_ofensiva, porcapacidad_defensiva, pordiferencia_ofen_defend (total: 16 features)
Meta attributes: club
Target: porganarpartido

Name: Random Forest

Model parameters

Number of trees: 10
Maximal number of considered features: unlimited
Replicable training: No
Maximal tree depth: unlimited
Stop splitting nodes with maximum instances: 5

Data

Data instances: 376
Features: participaciones, titulos, totpart, partganad, partempat, partperd, afavor, encontra, puntos, diferengoles, porganarchampions, porperderpartido, poremppartido, porcapacidad_ofensiva, porcapacidad_defensiva, pordiferencia_ofen_defend (total: 16 features)
Meta attributes: club
Target: porganarpartido

Name: Tree

Model parameters

Pruning: at least 2 instances in leaves, at least 5 instances in internal nodes, maximum depth 100
Splitting: Stop splitting when majority reaches 95% (classification only)
Binary trees: No

Data

Data instances: 376
Features: participaciones, titulos, totpart, partganad, partempat, partperd, afavor, encontra, puntos, diferengoles, porganarchampions, porperderpartido, poremppartido, porcapacidad_ofensiva, porcapacidad_defensiva, pordiferencia_ofen_defend (total: 16 features)
Meta attributes: club
Target: porganarpartido

Tree size: 189 nodes, 95 leaves
Edge widths: Relative to parent

Visualización del árbol.

N = 376

χ^2=237.75, p=0.000

Vemos la relación del porcentaje de ganar un partido con los goles a favor. Es una comparación de la frecuencia esperada (los cuadrados exteriores) y la frecuencia real (los cuadrados interiores). Indicando que cuantos más divisiones obtengamos en las frecuencias reales más datos hay en ese rango.

N = 376

χ^2=91.79, p=0.000

Relación del porcentaje de ganar un partido con los goles en contra. Es una comparación de la frecuencia esperada (los cuadrados exteriores) y la frecuencia real (los cuadrados interiores). Indicando que cuantos más divisiones obtengamos en las frecuencias reales más datos hay en ese rango.

Settings

Sampling type: Stratified 5-fold Cross validation

Scores

Model	MSE	RMSE	MAE	MAPE	R2
Neural Network	90.103	9.492	7.540	5376269010520835.000	0.753
Random Forest	16.264	4.033	2.380	0.088	0.955
Gradient Boosting	9.356	3.059	1.932	605060003129615.375	0.974

Analizamos y comparamos los distintos modelos de árboles. Vemos que el mejor de ellos es el Random Forest al haber un menor error en el MAPE. MAPE, porcentaje del error absoluto medio.

Info

Data:
datos_fut: 376 instances, 19 variables
Features: 16 numeric (no missing values)
Target: numeric
Metas: 2 (1 categorical, 1 string)

Model: 1 model

- Random Forest

Data & Predictions

	Random Forest	error	porganarpartido	club	Selected	participaciones	titulos	totpart	partganad	partempat	partperd	afavor	encontra	puntos	diferengoles
1	32.8442	-0.489136	33.3333	FC Krasnodar	No	2	0	12	4	2	6	14	22	10	-8
2	23.8895	-4.68194	28.5714	Barry Town United FC	No	6	0	14	4	1	9	11	38	9	-27
3	49.8	-0.2	50	TSV 1860 München	No	2	0	6	3	0	3	13	7	6	6
4	0	0	0	FC Aris Bonnevoie	No	3	0	6	0	1	5	6	25	1	-19
5	29.5236	0.356897	29.1667	Aalborg BK	No	4	0	24	7	6	11	32	41	20	-9
6	33.5697	-2.14455	35.7143	Ruch Chorzów	No	4	0	14	5	4	5	20	25	14	-5
7	49.8754	0.811734	49.0637	AC Milan	No	30	7	267	131	68	68	437	251	330	186
8	12.4317	2.43169	10	TPS Turku	No	4	0	10	1	0	9	4	28	2	-24
9	32.407	-0.926341	33.3333	Bologna FC	No	1	0	3	1	1	1	2	2	3	0
10	45.2987	0.854276	44.4444	Vasas FC	No	6	0	27	12	6	9	62	34	30	28
11	53.4156	-0.430561	53.8462	UC Sampdoria	No	2	0	13	7	2	4	25	15	16	10
12	0	0	0	CS Stade Dudelange	No	1	0	2	0	0	2	0	18	0	-18
13	31.802	1.80203	30	FC Nantes	No	8	0	40	12	14	14	52	54	38	-2
14	0	0	0	FC Nordsjælland	No	2	0	8	0	1	7	4	28	1	-24
15	0	0	0	FK Kareda	No	2	0	4	0	1	3	1	8	1	-7
16	0	0	0	Willem II	No	1	0	6	0	2	4	7	15	2	-8
17	0	0	0	B68 Toftir	No	1	0	2	0	0	2	0	11	0	-11
18	50.5606	0.56062	50	Leicester City FC	No	1	0	10	5	2	3	11	10	12	1
19	50	0	50	RFS	No	1	0	2	1	0	1	2	2	2	0
20	50	0	50	KA Akureyri	No	1	0	2	1	0	1	1	3	2	-2
21	40.3261	-0.618787	40.9449	FC Dynamo Kyiv	No	39	0	254	104	55	95	350	315	263	35
22	50	0	50	Myllykosken Pallo -47	No	1	0	4	2	1	1	4	4	5	0
23	46.7505	-3.24953	50	FC Kairat Almaty	No	2	0	6	3	1	2	8	11	7	-3
24	50	0	50	Breidablik	No	1	0	2	1	0	1	2	5	2	-3
25	57.0826	-1.02948	58.1121	FC Barcelona	No	33	5	339	197	76	66	667	343	470	324
26	25.0263	0.0263158	25	FC Petrolul Ploieşti	No	3	0	8	2	1	5	8	15	5	-7
27	0	0	0	HB Køge	No	1	0	2	0	0	2	1	7	0	-6
28	0	0	0	FC Torpedo Moskva	No	2	0	4	0	3	1	0	1	3	-1
29	27.8644	2.86437	25	B 1903 København	No	3	0	8	2	1	5	7	11	5	-4
30	19.7009	3.03419	16.6667	EB/Streymur	No	2	0	6	1	1	4	9	17	3	-8
31	0	0	0	FC Oţelul Galaţi	No	1	0	6	0	0	6	3	11	0	-8
32	0	0	0	FC Dinamo Batumi	No	1	0	2	0	1	1	1	2	1	-1
33	14.0333	-0.252381	14.2857	SP Tre Penne	No	4	0	7	1	0	6	2	20	2	-18
34	27.2222	2.22216	25	FK Ekranas	No	7	0	20	5	3	12	19	40	13	-21
35	34.8001	1.46678	33.3333	Hapoel Kiryat Shmona FC	No	1	0	6	2	2	2	9	6	6	3
36	0	0	0	SC Rot-Weiss Essen	No	1	0	2	0	1	1	1	5	1	-4
37	24.9101	-0.0898526	25	Dunaferr SE	No	1	0	4	1	2	1	7	6	4	1
38	32.4731	-0.860261	33.3333	FK Žalgiris Vilnius	No	8	0	24	8	4	12	21	37	20	-16
39	32.0978	1.32859	30.7692	Real Sociedad de Fútbol	No	4	0	26	8	6	12	24	29	22	-5
40	23.9519	-1.04808	25	FK Željezničar	No	6	0	16	4	1	11	13	31	9	-18
41	14.1858	2.06462	12.1212	Dundalk FC	No	12	0	33	4	12	17	24	60	20	-36
42	48.4615	-1.53846	50	NK Domžale	No	2	0	8	4	0	4	10	12	8	-2
43	37.1591	1.297	35.8621	FCSB	No	26	1	145	52	41	52	203	204	145	-1
44	53.7978	-2.45222	56.25	Hapoel Beer-	No	3	0	16	9	3	4	27	24	21	3

Sheva FC

45	41.2926	-0.374072	41.6667	MTK Budapest	No	7	0	24	10	2	12	41	46	22	-5
46	49.8686	-0.13141	50	Derby County FC	No	2	0	12	6	2	4	18	12	14	6
47	45.3113	-0.0328065	45.3441	AFC Ajax	No	39	4	247	112	64	71	396	282	288	114
48	51.6346	1.63458	50	NŠ Mura	No	1	0	4	2	1	1	7	3	5	4
49	50	0	50	Kalmar FF	No	1	0	2	1	0	1	3	3	2	0
50	38.3812	-2.79526	41.1765	1. FC Köln	No	3	0	17	7	8	2	27	19	22	8
51	50	0	50	NK Zagreb	No	1	0	2	1	0	1	2	2	2	0
52	50	0	50	NSÍ Runavík	No	1	0	2	1	0	1	1	3	2	-2
53	27.6905	-5.64286	33.3333	LASK	No	2	0	6	2	0	4	8	10	4	-2
54	50	0	50	FC Milsami Orhei	No	1	0	4	2	0	2	3	5	4	-2
55	60.7288	0.728834	60	Aston Villa FC	No	2	1	15	9	3	3	24	10	21	14
56	43.3064	0.998701	42.3077	KKS Lech Poznań	No	8	0	26	11	1	14	29	43	23	-14
57	49.8	-0.2	50	NK Celje	No	1	0	2	1	0	1	4	2	2	2
58	17.7044	0.313078	17.3913	Valletta FC	No	18	0	46	8	7	31	38	113	23	-75
59	40.9346	0.934602	40	SS Lazio	No	7	0	60	24	16	20	93	77	64	16
60	13.079	2.36469	10.7143	Glentoran FC	No	12	0	28	3	7	18	20	59	13	-39
61	0	0	0	AC Oulu	No	2	0	4	0	1	3	2	19	1	-17
62	15.409	2.90898	12.5	FK Sūduva	No	3	0	8	1	2	5	5	13	4	-8
63	37.3856	-0.114365	37.5	Helsingborgs IF	No	2	0	16	6	5	5	19	19	17	0
64	0	0	0	Enosis Pezoporikou Amol FC	No	1	0	2	0	0	2	0	16	0	-16
65	0	0	0	HPS Helsinki	No	1	0	2	0	0	2	0	7	0	-7
66	0	0	0	SK Admira Wacker Wien	No	1	0	2	0	1	1	0	1	1	-1
67	47.9905	-2.00952	50	Hibernian FC	No	1	0	6	3	1	2	9	5	7	4
68	0	0	0	FC Suduroy	No	1	0	2	0	1	1	0	5	1	-5
69	26.0501	-3.11661	29.1667	Boavista FC	No	3	0	24	7	8	9	27	32	22	-5
70	50	0	50	Burnley FC	No	1	0	4	2	0	2	8	8	4	0
71	21.7857	-3.21429	25	FC Hradec Králové	No	1	0	4	1	2	1	2	5	4	-3
72	44.7626	-1.74907	46.5116	Górnik Zabrze	No	12	0	43	20	6	17	69	65	46	4
73	26.5209	0.205135	26.3158	The New Saints FC	No	14	0	38	10	5	23	37	65	25	-28
74	42.6045	1.69538	40.9091	FFC Victoria 91	No	6	0	22	9	1	12	35	33	19	2
75	33.5071	-0.867875	34.375	Debreceni VSC	No	7	0	32	11	5	16	37	50	27	-13
76	17.2803	-0.576835	17.8571	Hibernians FC	No	12	0	28	5	5	18	20	71	15	-51
77	0	0	0	Athlone Town FC	No	2	0	4	0	2	2	7	14	2	-7
78	37.4354	-0.65983	38.0952	CFR 1907 Cluj	No	8	0	42	16	10	16	54	54	42	0
79	30.8333	-2.5	33.3333	Ararat-Armenia FC	No	2	0	3	1	0	2	3	5	2	-2
80	39.4055	-0.424974	39.8305	FC Basel 1893	No	21	0	118	47	23	48	170	192	117	-22
81	36.8808	-2.00807	38.8889	MFK Petržalka	No	2	0	18	7	6	5	25	24	20	1
82	13.5739	1.07395	12.5	Hamrun Spartans FC	No	4	0	8	1	0	7	2	26	2	-24
83	58.3189	-1.55504	59.8739	Real Madrid CF	No	53	14	476	285	81	110	1047	521	651	526
84	51.7647	0.0234474	51.7413	Chelsea FC	No	19	2	201	104	53	44	342	181	261	161
85	0	0	0	FK Spartaks Jūrmala	No	2	0	4	0	2	2	1	4	2	-3
86	35.6758	0.19194	35.4839	Olympiacos FC	No	35	0	186	66	36	84	222	283	168	-61
87	17.0853	0.418651	16.6667	Dublin City FC	No	3	0	6	1	0	5	3	25	2	-22
88	0	0	0	FC Daugava Daugavpils	No	1	0	2	0	0	2	1	11	0	-10
89	20.6855	0.685516	20	FK Lyn	No	4	0	10	2	0	8	14	41	4	-27
90	28.7669	-4.56647	33.3333	FK Mogren	No	2	0	6	2	0	4	7	17	4	-10
91	0	0	0	FC TVMK Tallinn	No	1	0	2	0	1	1	3	4	1	-1
92	0	0	0	Portadown FC	No	3	0	6	0	1	5	3	24	1	-21
93	37.1485	0.250107	36.8984	PSV Eindhoven	No	30	1	187	69	44	74	249	234	182	15
94	0	0	0	Glenavon FC	No	1	0	2	0	1	1	0	3	1	-3
95	35.6831	-0.48713	36.1702	FC Zürich	No	12	0	47	17	6	24	60	82	40	-22
96	49.1064	1.45931	47.6471	Borussia Dortmund	No	21	1	170	81	33	56	287	214	195	73
97	50	0	50	FC Jazz	No	1	0	4	2	0	2	6	8	4	-2
98	37.0535	-0.219219	37.2727	AS Roma	No	13	0	110	41	27	42	148	158	109	-10
99	0	0	0	Vitória SC	No	1	0	2	0	1	1	1	2	1	-1
100	35.5926	-0.657429	36.25	HJK Helsinki	No	22	0	80	29	13	38	104	126	71	-22

+ 176 more

Scores

Model	MSE	RMSE	MAE	MAPE	R2
Random Forest	2.955	1.719	0.974	0.040	0.992

Esta es la predicción sola del Random Forest, basado en la evaluación del test. Podemos ver que obtenemos un error más pequeño.