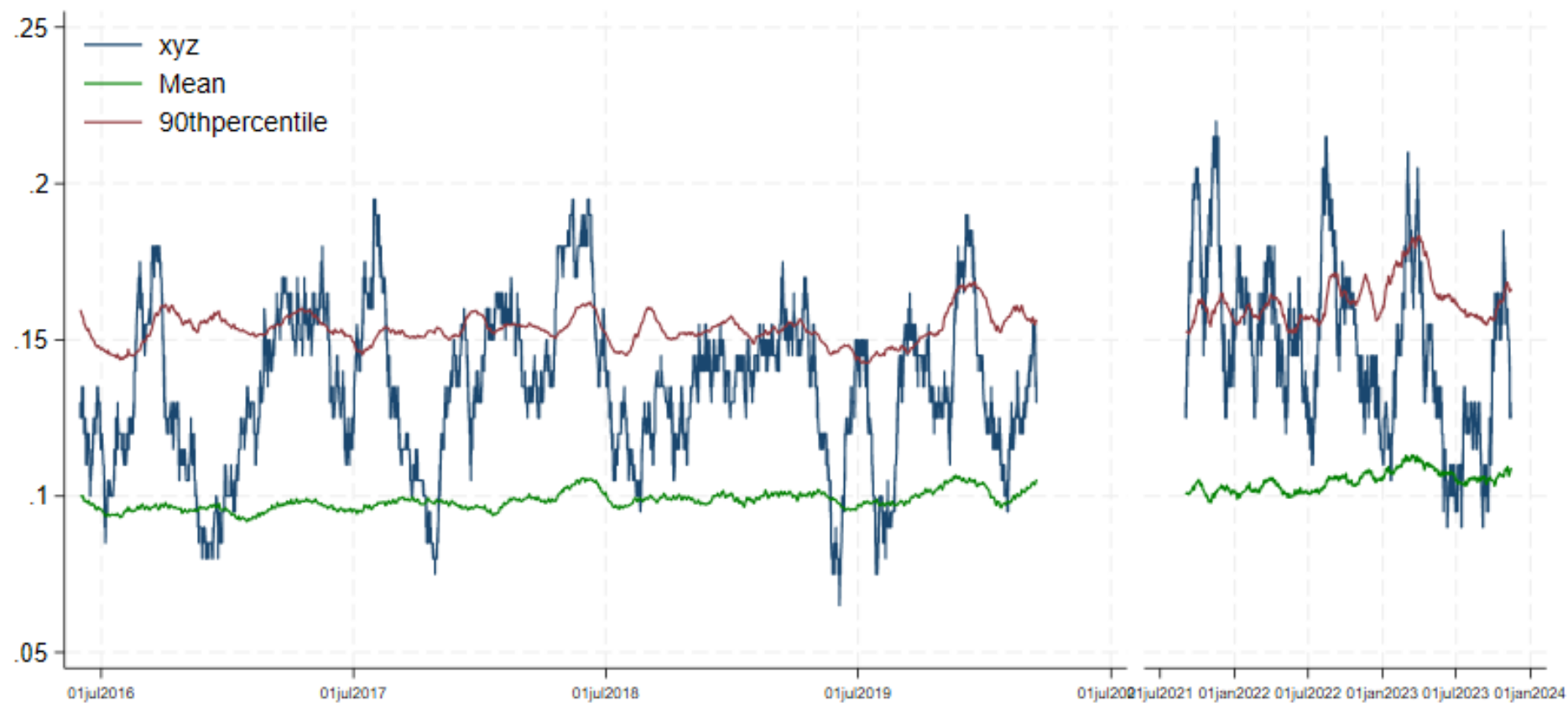




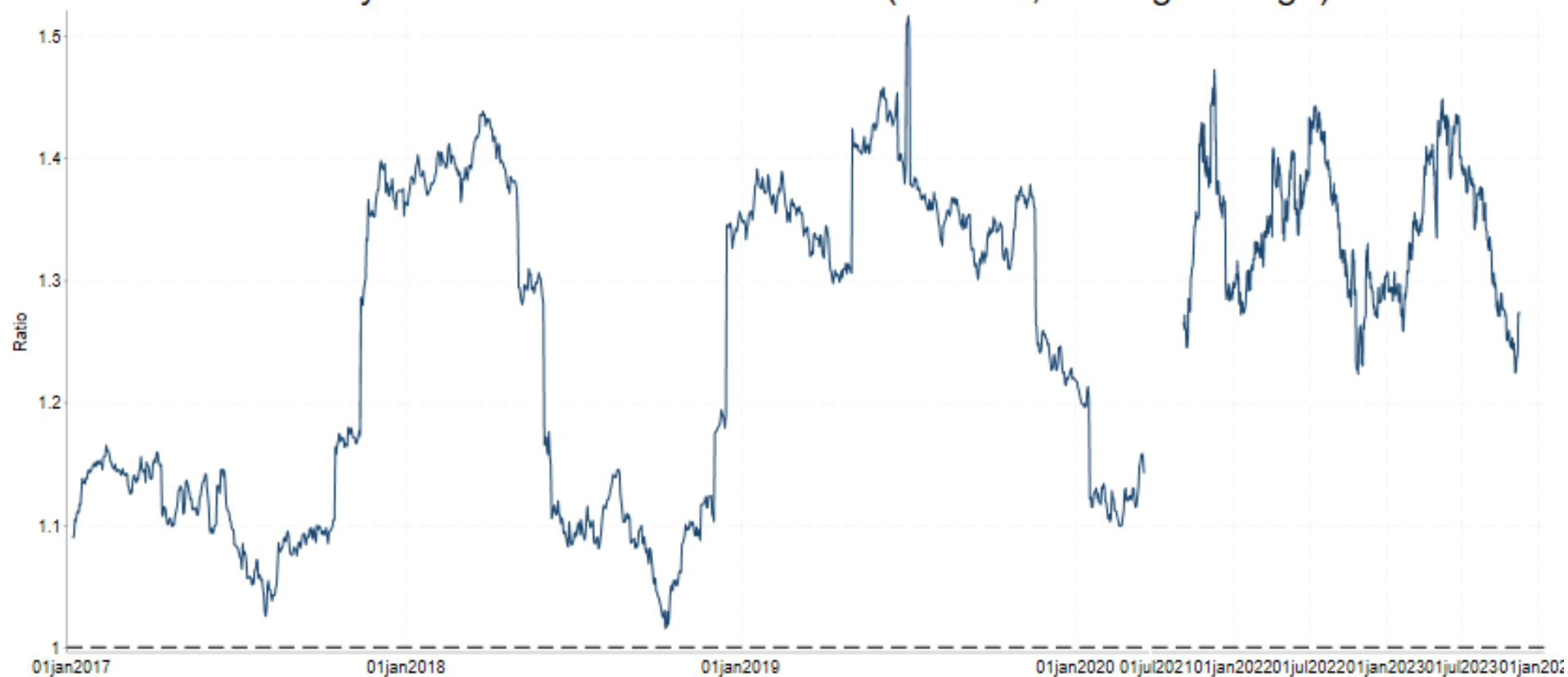
Move37AI - Stable Report:

Firmamento

Win share (last 200 races, moving average)



Prizes by race relative to other stables* (Last 6m, moving average)



*Including top 50 stables in terms of earnings since 2017

Win shares by Track/Surface/Distance/Age (2017-Present and Last 200 races)

Win share by track (%)

Track	Win Share 2017-present	Win Share Last 200
La Plata	14.6	13.4
Palermo	14.5	11.1
San Isidro	12.1	11.8

Win share by surface (%)

Surface	Win Share 2017-present	Win Share Last 200
Arena	14.3	12.9
Cesped	11.2	10.9

Win share by distance (%)

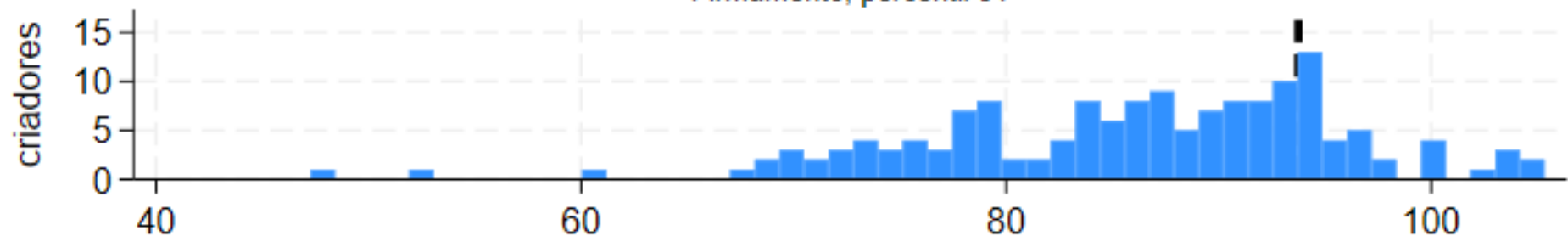
Distance	Win Share 2017-present	Win Share Last 200
1000	13.5	0.0
1100 - 1500	13.5	12.5
1600+	14.5	16.2

Win share by horse age (%)

HorseAge	Win Share 2017-present	Win Share Last 200
2 years	16.2	0.0
3 years	13.8	12.3
4 years	14.3	7.5
5 years or more	12.0	18.3

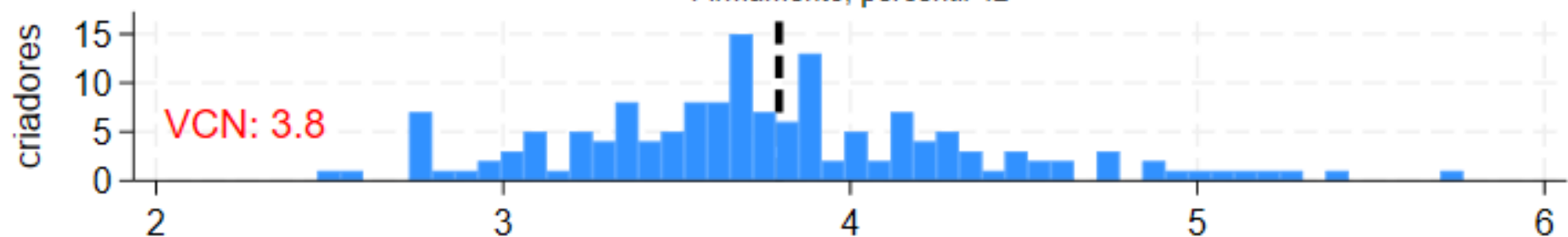
Average Horse Quality (last 12m, across stables)

Firmamento, percentil 81



Average horse age in the last 12m (across stables)

Firmamento, percentil 42

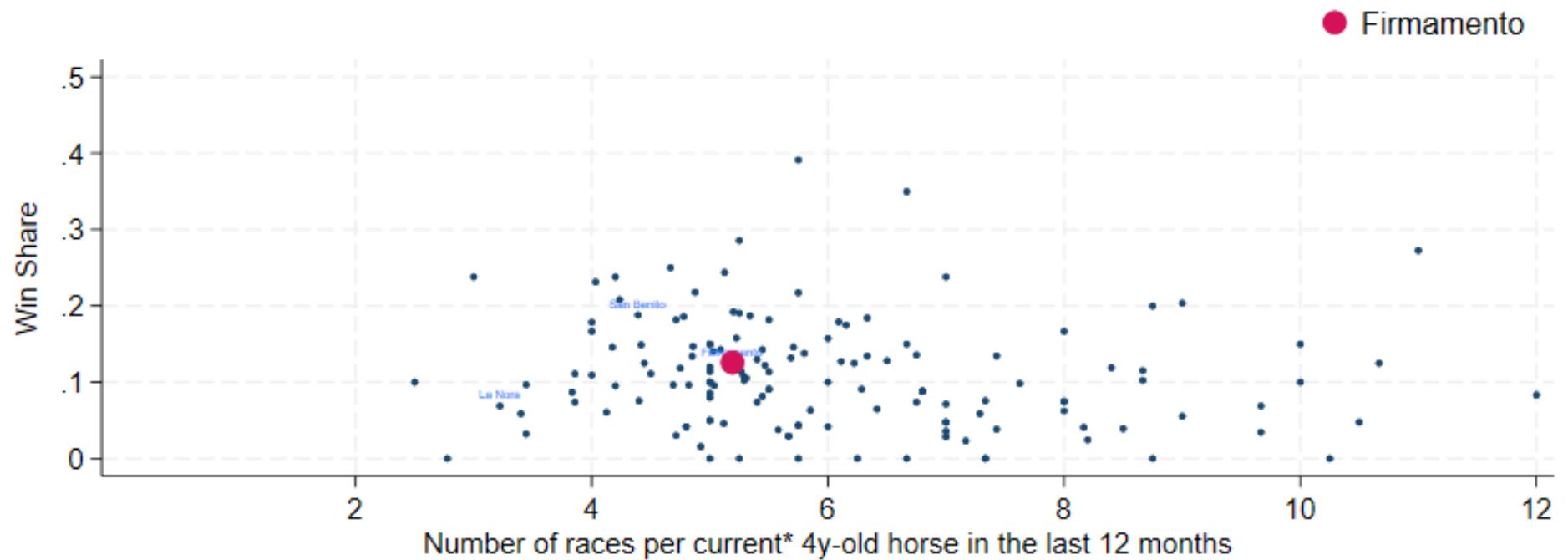


Average distance in the last 12m (across stables)

Firmamento, percentil 81



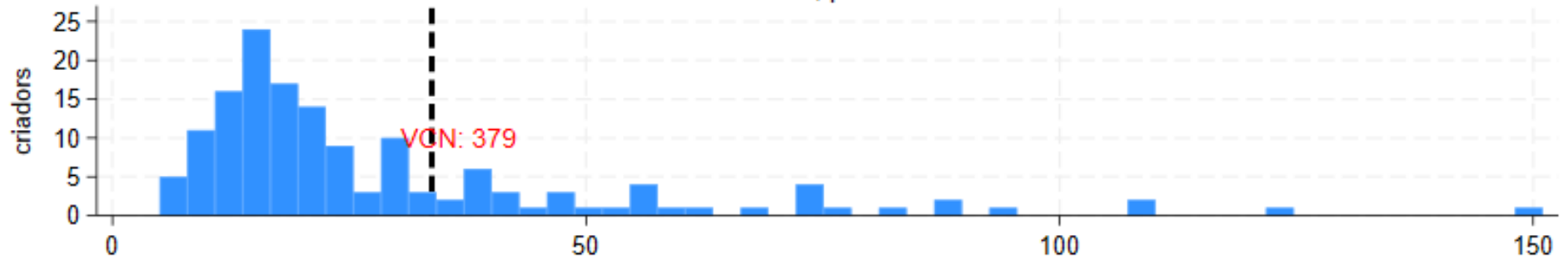
Win Share and Number of Races per current 4y-old horse (across stables in the last 12m)



*Including current 4y-old horses that raced in the last 12 months.
Including only criadores with at least 20 races with 4yo horses during the last 12 months
Red dot indicates for Firmamento

Number of active horses* (across stables)

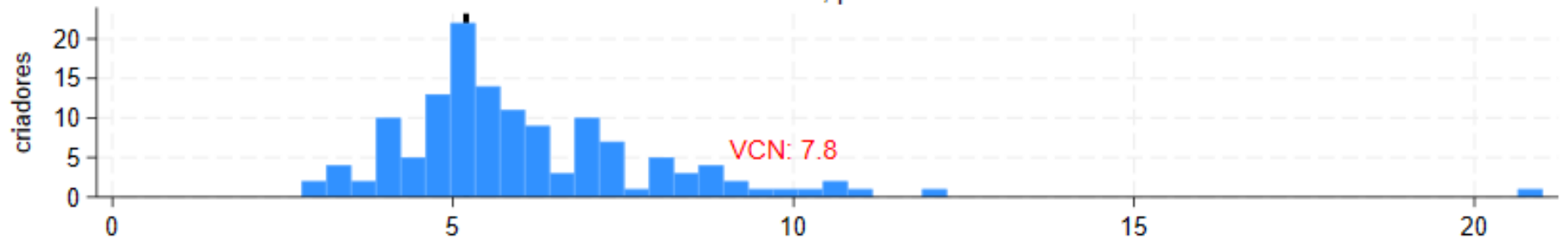
Firmamento, percentil 100



*A horse is considered active if it raced during the last 12 months

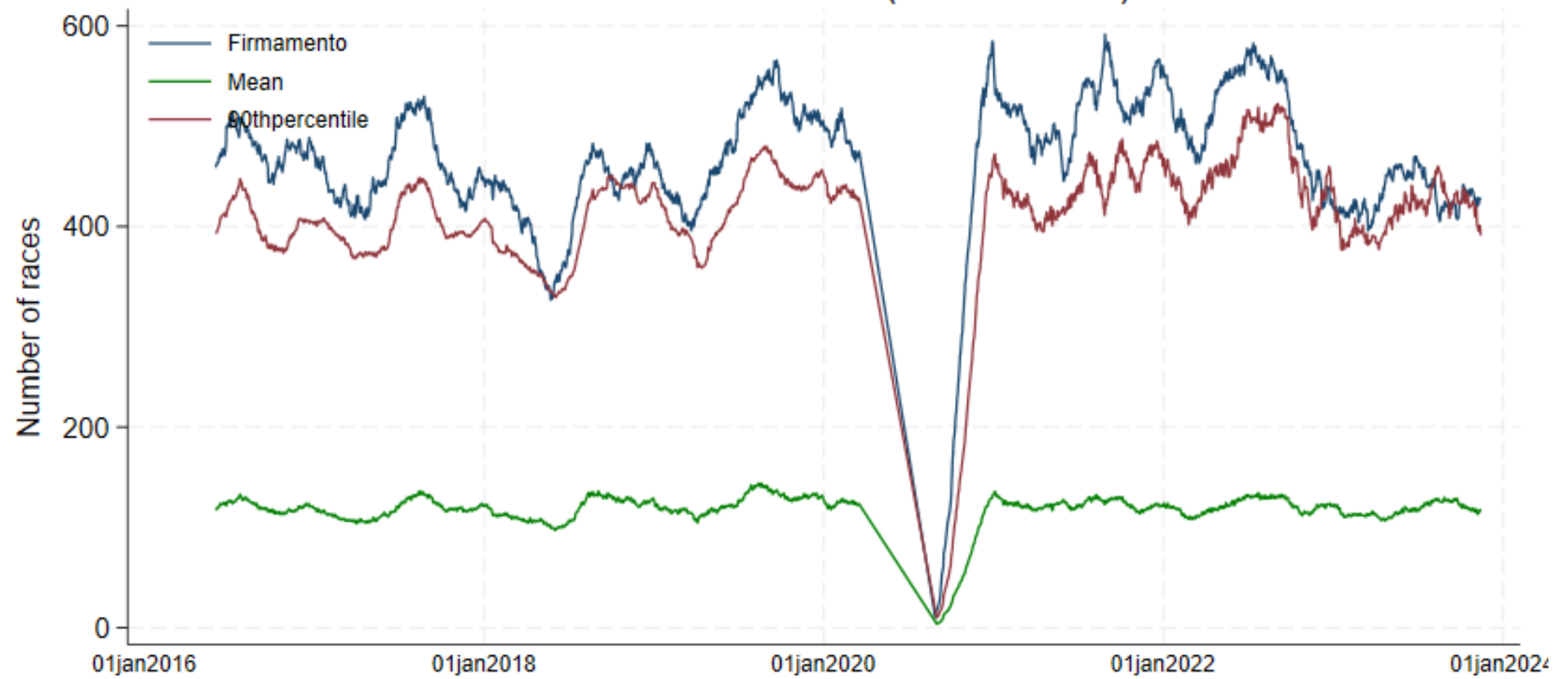
Average number of races per current 4y old horse (across stables)

Firmamento, percentil 37



*Only including current 4 years old horses that had raced in the last 12 months
Including criadores with at least 20 races with 4y old horses in the last 12 months

Total number of races (last 3 months)



Racing Frequency

Median number of days between races (last 12 months)

Year	Firmamento	Others
2018	28	[23 / 28 / 31]
2019	28	[23 / 27 / 30]
2020	31	[26 / 29 / 33]
2021	31	[24 / 28 / 32]
2022	30	[23 / 28 / 30]
2023	30	[23 / 28 / 30]

Including the median days between races for the stable. Including the 25th, 50th and 75th percentiles for other stables with more than 15 active horses within the same time period.

Average number of races ran by current* 4y old horse

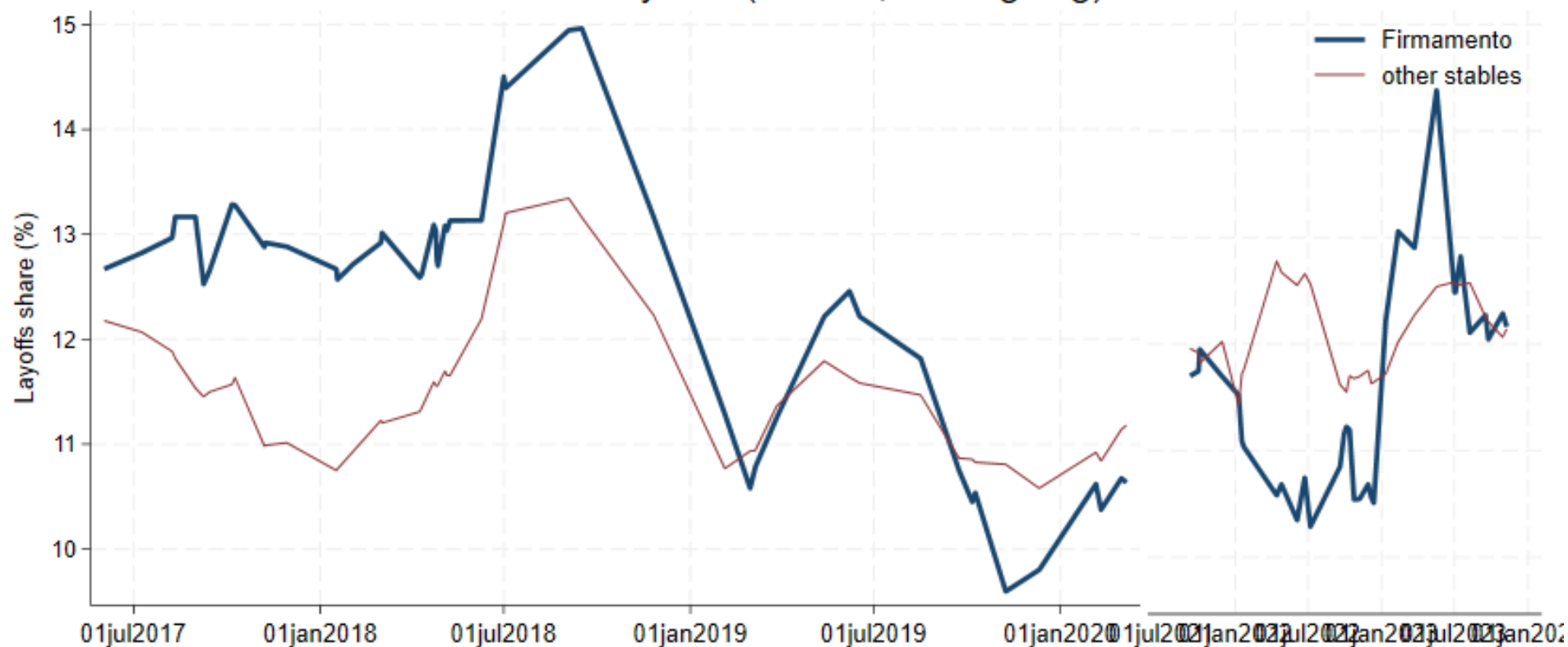
Year	Firmamento	Others
2018	5.2	[4.2 / 4.9 / 6.1]
2019	5.9	[4.8 / 5.6 / 6.4]
2020	3.6	[2.7 / 3.2 / 3.7]
2021	5.2	[4.3 / 5 / 6]
2022	6.1	[4.3 / 5 / 6]
2023	4.6	[4.1 / 4.8 / 5.5]

*Current 4y old horses at the end of each year

Including the ratio between total races ran by 4y old horses and the number of unique 4yo old horses during the last year. Including the 25th, 50th and 75th percentiles for other stables with more than 5 active 4yo horses within the same time period.

Frequency of injuries

Share of Layoffs* (last 6m, moving avg)



*Number of races after a 90 days layoff as a percent of total
other stables includes the mean for current top 50 stables with active horses

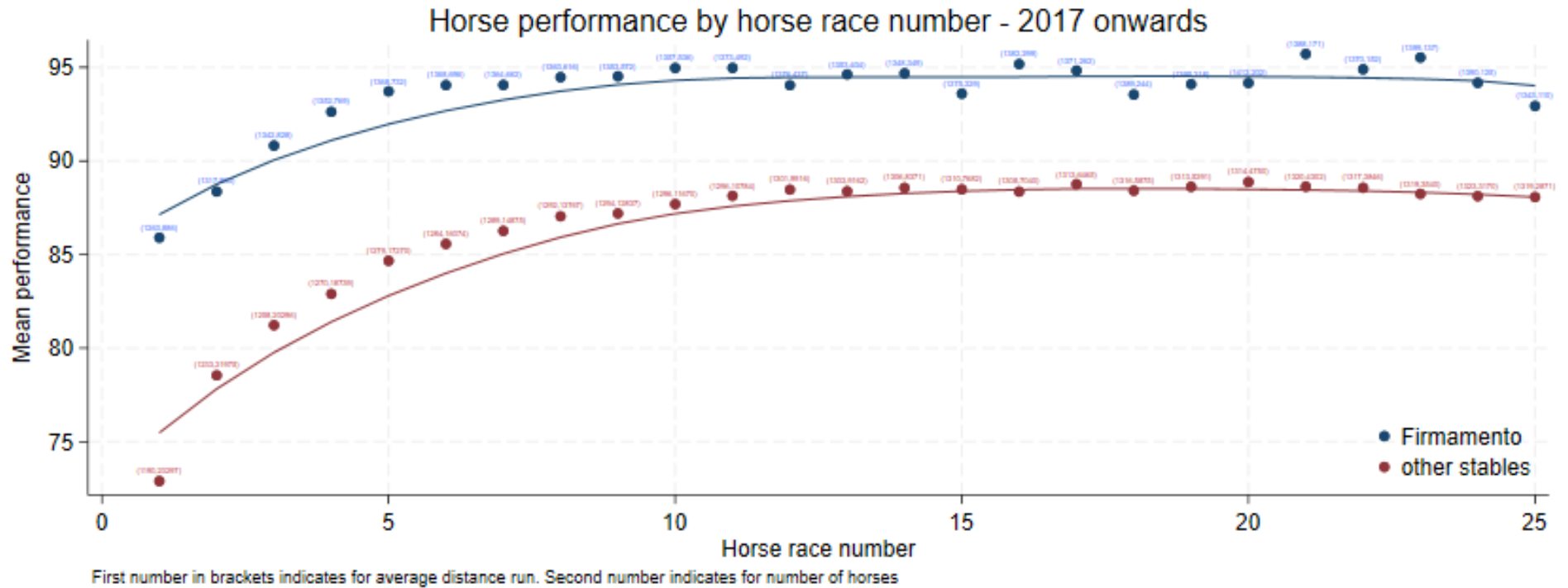
Improvement with stable

Average improvement after receiving a horse from other criador: 2017-present

criador	Improve ratio	New horses (not maidens)	Share of new horses
Firmamento	.	0	0
other stables	.	0	0

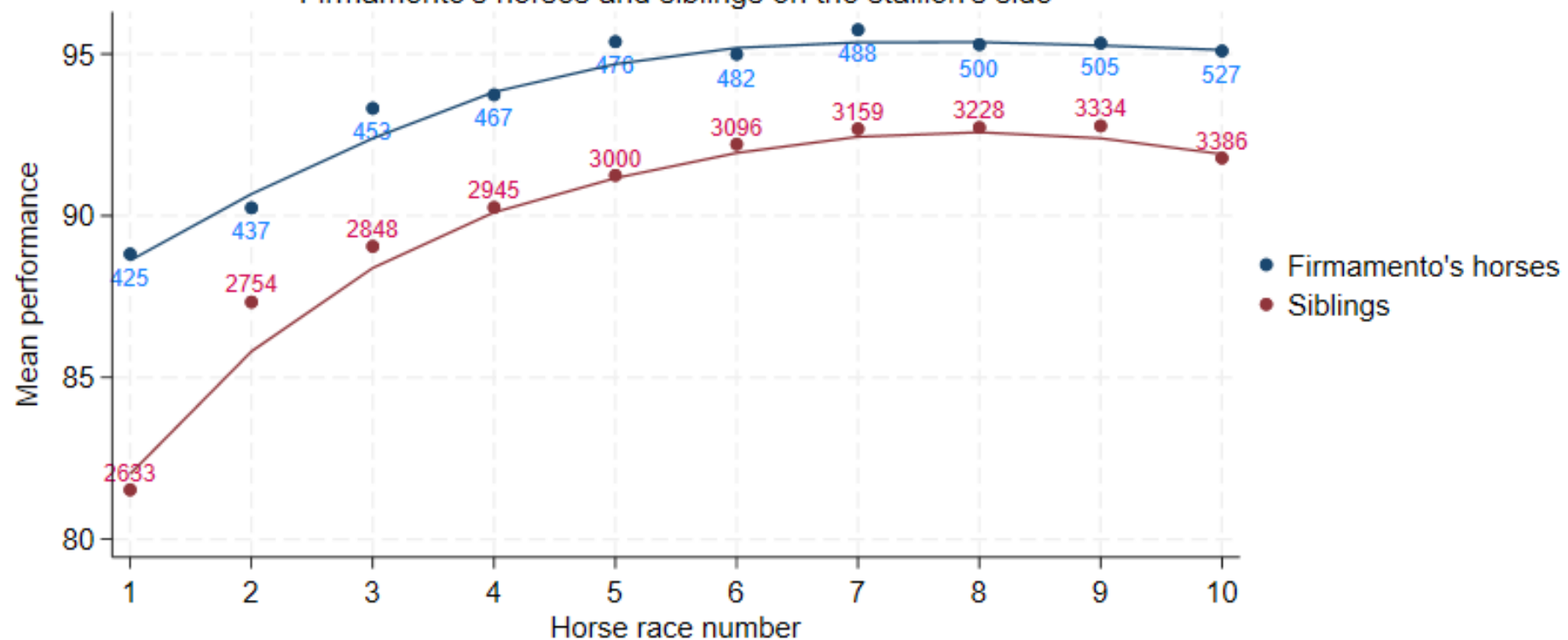
Improve ratio (post criador change in t): $[BSN\ t+1 / BSN\ t-2]$

Improve ratio below one indicates deterioration after receiving horses from other stables. New horses indicates for number of times the stable received a horse from another stable. Share of new horses indicates for ratio between new horses and total unique horses during the period



Horse performance by horse race number - 2017 onwards

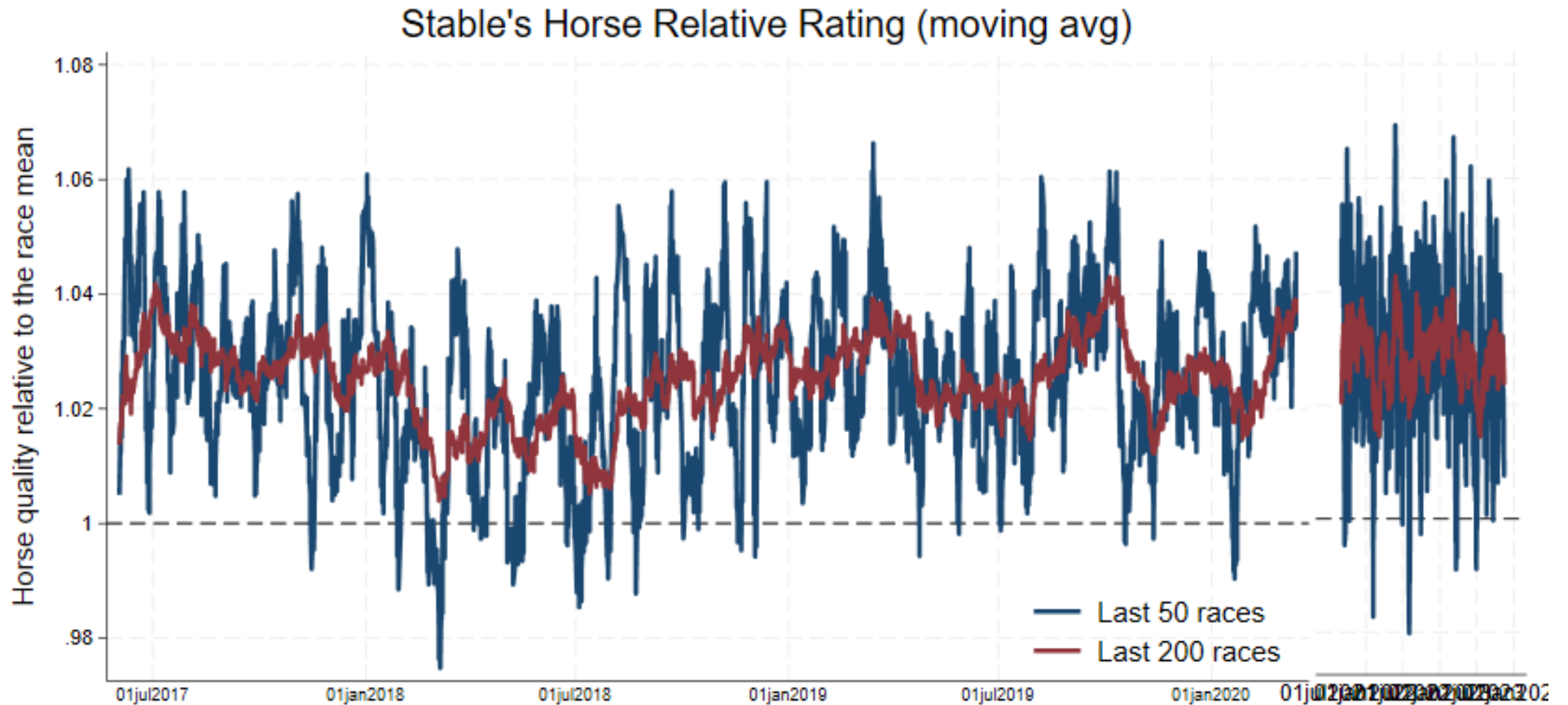
Firmamento's horses and siblings on the stallion's side



Number indicates for number of horses. Only including horses with a minimum of 10 races.

Stable horse quality

The Horse Relative Rating (HRR) is defined as the ratio between the horse quality and the average quality of the race in which it participates



Above 1 indicates that Stable's horses quality is higher relative to the the rivals faced

Win share Vs Horse Rating Relative

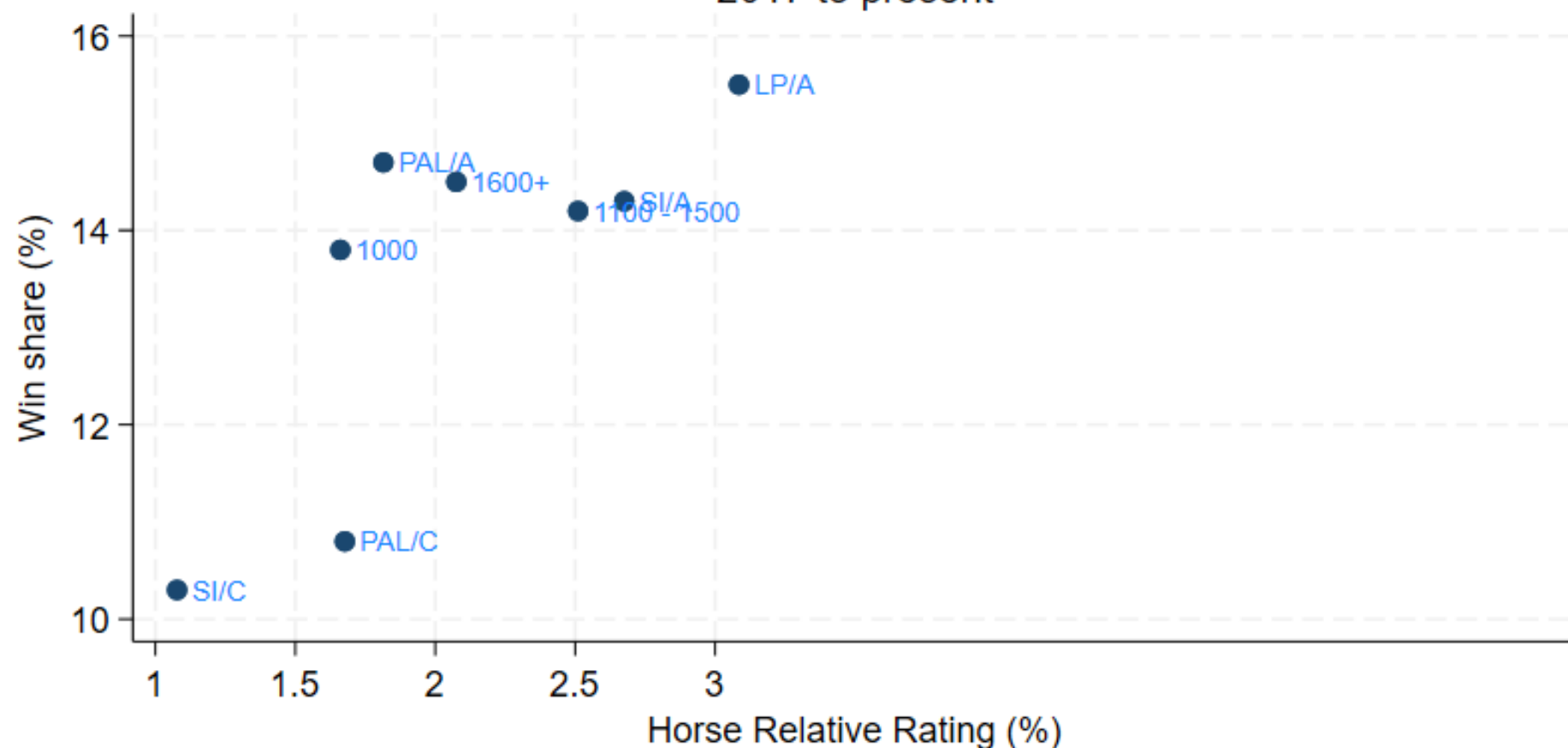
2019-present, across stables*



*Including top 50 stables with more active horses during the last year
Minimum 20 races for a criador

Win Share and Horse Relative Rating

2017 to present



Horse Relative Rating is measured as the difference in quality between the stable's horses and the rest of the race
A indicates for arena; C indicates for grass; distances are presented in metters
LP indicates for La Plata; PAL for Palermo; SI for San Isidro

Trainer performances with Firmamento (2017-present)

Trainer	Races	Win Share Combo	Win Share Combo-Trainer	HRR Combo	HRR Combo-Trainer
Adrian E. Reisenauer	628	15.6	-4.4	3.0	0.3
Juan C. Etchechoury (h)	362	19.6	-1.7	4.0	0.1
Nicolas A. Gaitan Dassie	342	19.0	5.0	4.5	1.6
Enrique Martín Ferro	288	17.7	0.8	3.6	1.0
Carlos D. Etchechoury	250	19.2	1.8	3.6	1.3
Alfredo F. Gaitán Dassie	228	18.4	-0.0	3.1	-0.1
Humberto J. Benesperí	210	11.0	0.8	-0.5	0.8
Carlos A. Bani	175	8.6	-0.5	1.4	0.4
Abel A. Saavedra	170	15.3	5.6	2.9	3.0
Nicolas Martin Ferro	152	14.5	-3.9	2.7	-0.1

Combo indicates performance for pair stable-trainer. Combo-Stable indicates for difference between the combo and the own stable performance.
HRR (Horse Rating Relative) is reported in percentage points

Jockey performances with Firmamento 2017-present

Jockey	Races	Win Share Combo	Win Share Combo-Jockey	HRR Combo	HRR Combo-Jockey
Francisco L. Fernandes G.	1005	23.4	3.3	5.9	1.3
Anibal J. Cabrera	894	15.2	6.1	3.3	1.7
Eduardo Ortega Pavon	402	18.2	1.8	3.3	-0.1
Martin J. Valle	350	17.4	4.3	3.6	2.7
Brian R. Enrique	304	12.8	-1.8	2.5	-0.7
Wilson R. Moreyra	285	17.9	2.7	3.6	-0.1
William Pereyra	265	15.5	-1.8	4.1	1.0
Juan Cruz Villagra	263	17.5	-0.0	3.6	-0.2

Rodrigo G. Blanco	261	21.8	5.0	5.4	1.4
Facundo M. Coria	215	17.7	4.6	4.4	1.2
Cristian E. Velazquez	210	19.0	8.5	5.0	3.1
Juan C. Noriega	165	20.0	3.8	4.7	0.7
Walter A. Aguirre	164	15.9	1.6	4.4	-0.7
Daniel E. Arias	156	9.0	0.5	1.2	0.1
Pablo D. Carrizo	153	9.8	0.7	1.8	0.9
Luciano E. Cabrera	146	19.2	9.4	3.7	3.4
Kevin Banegas	138	18.1	8.4	2.1	1.4
Francisco A. Arreguy	124	12.1	-0.4	2.0	-0.9
Rodrigo D. Bascuñan	124	12.1	3.1	1.1	1.6
Gustavo N. Villalba	122	9.0	1.5	-0.1	2.7
Pablo G. Falero	117	17.9	0.7	2.5	-1.6
Raul E. Villagra	111	6.3	1.7	3.2	6.5
Ivan E. Monasterolo	106	17.9	4.8	1.8	-1.4
Osvaldo A. Alderete	104	9.6	-3.5	-0.2	-3.5
Emiliano F. Siniani	103	9.7	3.1	0.7	1.8
Gonzalo Hahn	103	12.6	1.8	3.8	2.2
Jorge L. Peralta	96	17.7	6.1	5.1	2.9
Franco D. Menendez	95	9.5	-1.3	-0.1	0.3
Dario R. Gomez	92	12.0	3.3	-0.2	-0.3
Gonzalo D. Borda	91	17.6	1.5	1.1	-0.5
Adrian M. Giannetti	90	20.0	4.2	7.0	3.6
Miguel A. Sosa	89	16.9	7.4	-1.6	-1.8
Altair Domingos	88	10.2	-3.1	1.4	-2.7
Santiago N. Arias	85	12.9	4.0	3.0	4.1
Geronimo J. Garcia	84	7.1	-1.6	1.0	1.6
Luis F. Vai	82	8.5	0.3	-0.7	-1.2

Jose Del Jesus Espinoza	81	11.1	1.8	4.2	5.2
Alexis O. Lopez	81	14.8	6.2	-1.1	-0.5
Maria L. Asconiga	76	11.8	3.6	2.8	4.1
Pablo D. Arenas	74	10.8	3.0	1.2	2.3
Lautaro E. Balmaceda	71	7.0	-3.0	0.6	-0.3
Andrea S. Marinhos	68	11.8	3.3	1.1	1.4
Roberto N. Alzamendi	67	3.0	-1.2	-2.5	1.1
Alexis J. Paez	66	9.1	1.1	1.7	2.4
Pablo Sotelo Camacho	65	9.2	2.9	5.1	4.4
Ramiro R. Barrueco	64	12.5	6.4	-4.4	-3.7
Alexis G. Castro	63	6.3	-0.8	-0.4	-0.2
Matías J. Medina	62	8.1	0.7	-1.9	-2.6
Gonzalo E. Bellocq	61	6.6	-0.7	-0.1	-0.5
Gabriel L. Bonasola	59	8.5	-3.1	3.2	2.6
Jose A. Da Silva	58	10.3	-2.9	4.4	0.4
Abel I. Romay	58	13.8	4.7	-0.9	-1.2
Eduardo G. Ortega Torres	56	16.1	7.4	2.3	1.9
Gustavo E. Calvente	55	16.4	-2.5	2.9	-1.8
Roque L. González	54	3.7	-2.0	9.9	11.0
Pedro E. Diestra	52	28.8	18.3	7.8	7.3
Francisco J. Lavigna	51	21.6	10.7	-2.0	0.3
Luciano E. Franco	51	5.9	-1.0	1.9	2.2
Mariano J. Lopez	51	13.7	6.4	0.3	-0.3
Julian A. Roman	51	13.7	9.1	0.1	3.2
Sergio A. Piliero	50	6.0	1.0	5.1	8.4
Dario E. Lencinas	50	12.0	3.1	2.1	4.3
Octavio F. Arias	47	12.8	6.9	2.3	2.9

Romina Villegas	47	6.4	1.2	0.2	3.3
Abel L. J. Giorgis	47	4.3	-1.7	-1.3	-0.4
Jorge A. Ricardo	44	9.1	-5.1	-0.7	-2.8
Sergio R. Barrionuevo E.	43	7.0	-1.3	-0.4	-0.2
Leonardo F. Tello Elizondo	42	9.5	0.8	5.5	5.0
Damian Ramella	41	9.8	-2.3	2.1	-1.0
Edgardo Patriarca (h)	40	0.0	-6.6	-3.1	-3.2
Jose E. Leonardo	39	10.3	3.1	4.0	4.0
Lautaro N. Ramallo	37	5.4	-1.4	3.5	2.7
Nicolas R. Valle	37	10.8	1.7	2.7	3.6
Mario E. Fernández	36	16.7	5.8	2.3	0.9
Elvio G. Candia	35	11.4	2.4	-2.6	-2.2
Juan C. Rivarola	35	2.9	-4.3	-1.6	-0.6
Matias N. Ferreyra	34	17.6	9.4	2.2	3.2
Luis A. Caceres	34	5.9	3.2	-0.9	2.3
Facundo A. Berti	34	5.9	0.0	5.3	5.1
Juan Diestra C.	33	18.2	8.8	-0.3	-1.2
Gaston G. Saez	33	9.1	4.1	3.2	6.6
Jorge R. Benitez V.	33	12.1	4.9	2.0	3.5
Walter R. Maturan	32	6.2	0.4	-3.5	-1.2
Esteban E. Torres	32	21.9	16.3	2.3	3.4
Maximiliano A. Rodriguez	32	3.1	-4.0	-5.0	-4.2
Luis D. Brigas	31	6.5	-4.9	-1.0	-2.0
Martin A. La Palma	30	16.7	9.2	5.2	5.3
Urbano J. Chavez	30	10.0	2.6	1.5	2.1
Alexis A. Allois	30	3.3	-2.5	-4.4	-1.3

Combo indicates performance for pair stable-jockey. Combo-Jockey indicates for difference between the combo and the own jockey performance.
HRR (Horse Rating Relative) is reported in percentage points

Sire performances with Firmamento (2017-present)

Father	Races	Win Share Combo	Win Share Combo-Sire	HRR Combo	HRR Combo-Sire
Seattle Fitz	1952	13.3	4.5	2.8	0.9
Van Nistelrooy	1582	12.7	0.9	1.0	-0.7
Super Saver	1055	14.9	-1.0	2.3	-2.9
Hit It A Bomb	857	11.8	1.0	1.3	-2.1
Mastercraftsman	845	13.7	7.5	2.1	-0.0
Remote	836	16.5	0.9	1.7	-0.3
Harlan's Holiday	620	17.1	5.8	4.2	1.6
Catcher in the Rye	510	15.9	3.4	3.8	2.0
Cityscape	473	14.8	2.7	2.2	1.8
Key Deputy	467	21.4	6.1	4.3	1.4

Combo indicates performance for pair stable-sire. Combo-Sire indicates for difference between the combo and the own father performance. HRR (Horse Rating Relative) is reported in percentage points

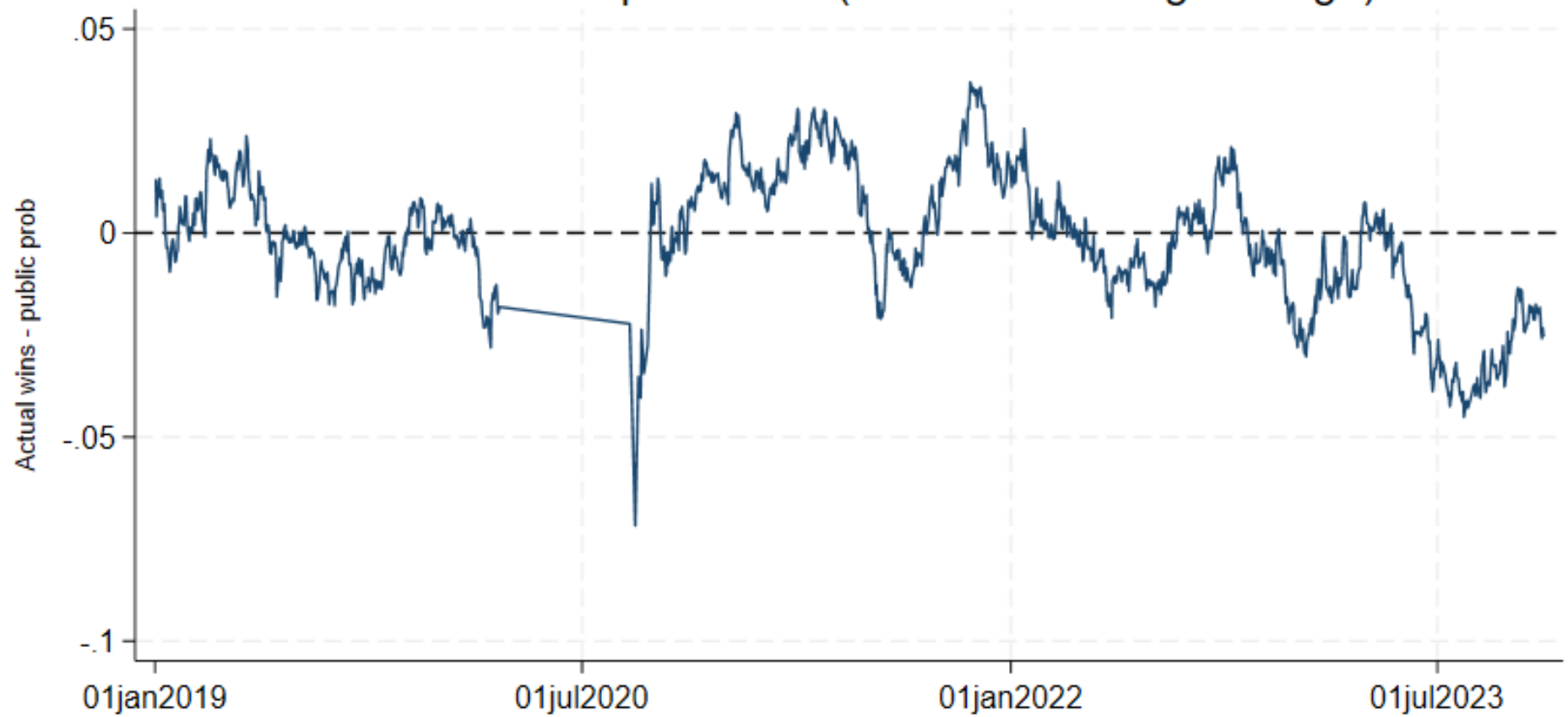
Stable improvement after a track change (2017 to present)

Track change	criador	Mean improvement	Median improvement	Number of switches
LP to PAL	Firmamento	1.05	1.01	501
LP to PAL	Other stables	1.09	1.03	9660
LP to SI	Firmamento	1.06	1.02	420
LP to SI	Other stables	1.11	1.03	7784
PAL to LP	Firmamento	1.04	1.00	531
PAL to LP	Other stables	1.03	0.99	9796
PAL to SI	Firmamento	1.06	1.01	815
PAL to SI	Other stables	1.07	1.01	19815
SI to LP	Firmamento	1.05	1.00	439
SI to LP	Other stables	1.03	0.99	8512
SI to PAL	Firmamento	1.06	1.02	809
SI to PAL	Other stables	1.05	1.01	19989

Improvement (post track change) = $[BSN\ t / BSN\ t-1]$

LP indicates for La Plata; PAL indicates for Palermo and SI indicates for San Isidro

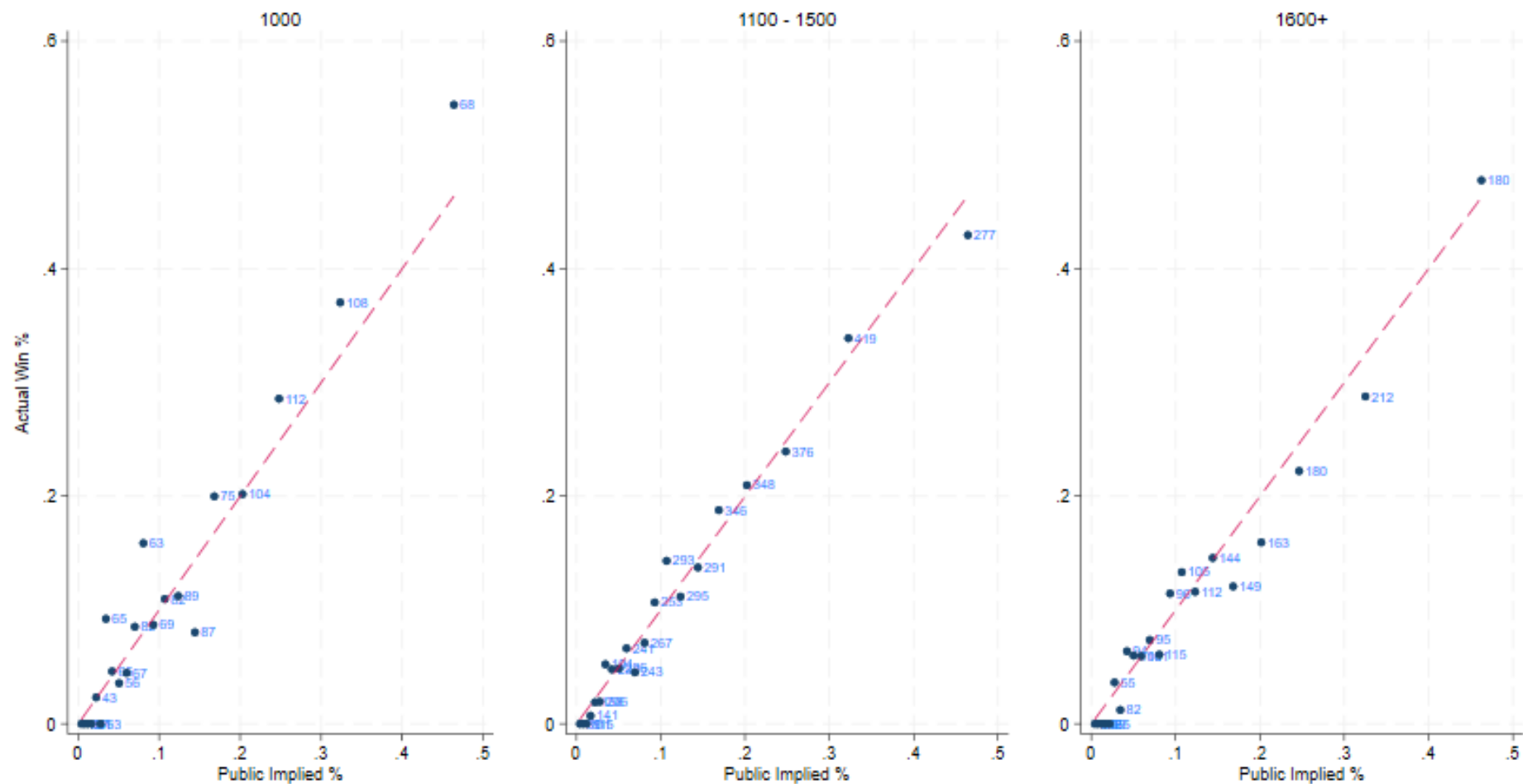
Wins Above Expectations (3 months moving average)



Details 3 months moving average for unexpected results

Wins above expectations is defined as [avg Win Share - avg public prob]

Wins Above Expectations by distance



Dots indicate for number of races