

Predicciones sobre CoViD-19

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April 4, 2020



DEPARTAMENTO DE ESTATÍSTICA,
ANÁLISE MATEMÁTICA E OPTIMIZACIÓN



- Predicciones

- Predicciones Fallecidos

Datos

Número de datos funcionales: 1656

Países/Regiones distintos incorporados: 107

Predicciones:

▶ España

► Andalucía

► Aragón

► Asturias

► I. Balears

▶ **Canarias**

► Cantabria

▶ Catalunya

► Castilla-La Mancha

▶ Castilla y León

▶ C. Valenciana

► Extremadura

▶ País Vasco

► **Galicia**

► Madrid

► Murcia

► Navarra

► **La Rioja**

► Mod Lineal

▶ Mod NP

► Mod Aditivo

Horiz	Medida	FLM	NP	SAM
H1	σ_R^2	0.007	0.004	0.007
H1	$\sigma_R^2(rob.)$	0.004	0.002	0.004
H1	r^2	0.444	0.732	0.469
H2	σ_R^2	0.017	0.008	0.016
H2	$\sigma_R^2(rob.)$	0.016	0.007	0.013
H2	r^2	0.609	0.834	0.645
H3	σ_R^2	0.036	0.017	0.032
H3	$\sigma_R^2(rob.)$	0.038	0.018	0.032
H3	r^2	0.667	0.858	0.702

Último dato: 2020-04-03 21:00 que se publica 2020-04-04 12:00.

Tabla Previsión Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	124736	131269	134375	136466	136588	135232
Andalucía	7869	8383	8945	9523	10131	10814
Aragón	3078	3307	3545	3777	4016	4284
Asturias	1522	1596	1649	1699	1758	1808
Islas.Baleares	1271	1320	1358	1383	1404	1420
Canarias	1564	1638	1705	1764	1823	1888
Cantabria	1384	1438	1455	1452	1444	1419
Castilla.La.Mancha	9324	10121	10859	11619	12477	13315
Castilla.y.León	8332	8862	9335	9799	10289	10797
Cataluña	24734	26072	27243	28388	29546	30718
Ceuta	73	87	102	120	140	164
Comunidad.Valenciana	6901	7286	7646	7975	8296	8650
Extremadura	1979	2054	2117	2170	2216	2274
Galicia	5625	6078	6548	6996	7470	7958
Madrid	36249	38403	40149	42049	43982	46059
Melilla	79	85	92	100	110	121
Murcia	1188	1239	1280	1316	1349	1388
Navarra	2972	3140	3291	3446	3612	3792
País.Vasco	8187	8628	9015	9403	9814	10246
La.Rioja	2405	2569	2743	2924	3122	3335

Table: Previsión Confirmados: Mod. Lineal - Horizonte 1 – 5 días.

Tabla Previsión Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	124736	132101	140111	147950	156457	165789
Andalucía	7869	8373	8941	9508	10089	10709
Aragón	3078	3359	3669	3996	4273	4538
Asturias	1522	1575	1621	1666	1708	1752
Islas.Baleares	1271	1325	1365	1398	1436	1466
Canarias	1564	1630	1693	1749	1825	1904
Cantabria	1384	1427	1473	1510	1540	1566
Castilla.La.Mancha	9324	10053	10859	11621	12356	13091
Castilla.y.León	8332	8903	9502	10085	10637	11220
Cataluña	24734	26423	27932	29320	30852	32215
Ceuta	73	87	103	121	135	152
Comunidad.Valenciana	6901	7285	7693	8069	8457	8882
Extremadura	1979	2117	2252	2401	2512	2618
Galicia	5625	6050	6574	7049	7533	7957
Madrid	36249	38339	40514	42681	44903	47320
Melilla	79	84	90	96	102	109
Murcia	1188	1244	1300	1349	1412	1482
Navarra	2972	3115	3264	3401	3566	3746
País.Vasco	8187	8569	8968	9331	9811	10346
La.Rioja	2405	2541	2683	2818	2955	3117

Table: Previsión Confirmados: Mod. No Paramétrico - Horizonte 1 – 5 días.

Tabla Previsión Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	124736	132307	139585	147536	157801	167457
Andalucía	7869	8394	8952	9562	10241	11023
Aragón	3078	3324	3603	3940	4302	4602
Asturias	1522	1604	1652	1683	1738	1763
Islas.Baleares	1271	1315	1351	1410	1466	1490
Canarias	1564	1634	1696	1760	1864	1960
Cantabria	1384	1435	1446	1486	1509	1472
Castilla.La.Mancha	9324	10216	11064	11978	12892	13500
Castilla.y.León	8332	8862	9382	10028	10790	11344
Cataluña	24734	26340	27838	29652	31169	32858
Ceuta	73	84	97	118	131	156
Comunidad.Valenciana	6901	7302	7677	8100	8688	9198
Extremadura	1979	2086	2211	2342	2580	2900
Galicia	5625	6121	6594	7177	7642	7963
Madrid	36249	38353	40759	41969	44560	48222
Melilla	79	85	91	97	103	110
Murcia	1188	1238	1275	1335	1409	1456
Navarra	2972	3133	3282	3394	3598	3849
País.Vasco	8187	8601	8943	9320	9838	10296
La.Rioja	2405	2575	2757	2893	3086	3305

Table: Previsión número de casos confirmados: Mod. Aditivo - Horizonte 1 – 5 días.

Tabla Ratio Incr. Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.071	0.052	0.077	0.094	0.095	0.084
Andalucía	0.075	0.065	0.137	0.210	0.287	0.374
Aragón	0.077	0.074	0.152	0.227	0.305	0.392
Asturias	0.052	0.048	0.083	0.116	0.155	0.188
Islas.Baleares	0.040	0.039	0.068	0.088	0.104	0.117
Canarias	0.049	0.047	0.090	0.128	0.166	0.207
Cantabria	0.046	0.039	0.051	0.049	0.043	0.025
Castilla.La.Mancha	0.099	0.086	0.165	0.246	0.338	0.428
Castilla.y.León	0.071	0.064	0.120	0.176	0.235	0.296
Cataluña	0.075	0.054	0.101	0.148	0.195	0.242
Ceuta	0.183	0.184	0.387	0.634	0.905	1.233
Comunidad.Valenciana	0.055	0.056	0.108	0.156	0.202	0.253
Extremadura	0.050	0.038	0.070	0.097	0.120	0.149
Galicia	0.085	0.080	0.164	0.244	0.328	0.415
Madrid	0.071	0.059	0.108	0.160	0.213	0.271
Melilla	0.099	0.072	0.159	0.265	0.388	0.524
Murcia	0.048	0.043	0.077	0.107	0.136	0.168
Navarra	0.062	0.056	0.107	0.159	0.215	0.276
País.Vasco	0.062	0.054	0.101	0.149	0.199	0.251
La.Rioja	0.072	0.068	0.140	0.216	0.298	0.387

Table: Previsión Ratio Incr. Confirmados: Mod. lineal - Horizonte 1 – 5 días.

Tabla Ratio Incr. Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	0.071	0.059	0.123	0.186	0.254	0.329
Andalucía	0.075	0.064	0.136	0.208	0.282	0.361
Aragón	0.077	0.091	0.192	0.298	0.388	0.474
Asturias	0.052	0.035	0.065	0.095	0.122	0.151
Islas.Baleares	0.040	0.042	0.074	0.100	0.130	0.153
Canarias	0.049	0.042	0.082	0.118	0.167	0.217
Cantabria	0.046	0.031	0.064	0.091	0.113	0.132
Castilla.La.Mancha	0.099	0.078	0.165	0.246	0.325	0.404
Castilla.y.León	0.071	0.069	0.140	0.210	0.277	0.347
Cataluña	0.075	0.068	0.129	0.185	0.247	0.302
Ceuta	0.183	0.187	0.399	0.649	0.834	1.061
Comunidad.Valenciana	0.055	0.056	0.115	0.169	0.226	0.287
Extremadura	0.050	0.070	0.138	0.213	0.269	0.323
Galicia	0.085	0.076	0.169	0.253	0.339	0.415
Madrid	0.071	0.058	0.118	0.177	0.239	0.305
Melilla	0.099	0.066	0.135	0.209	0.291	0.379
Murcia	0.048	0.047	0.094	0.135	0.189	0.248
Navarra	0.062	0.048	0.098	0.144	0.200	0.260
País.Vasco	0.062	0.047	0.095	0.140	0.198	0.264
La.Rioja	0.072	0.056	0.116	0.172	0.229	0.296

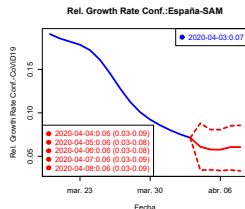
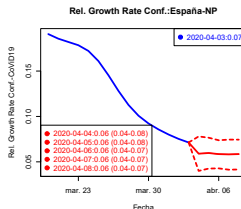
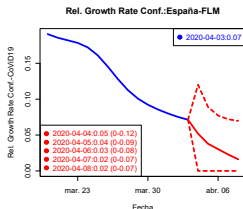
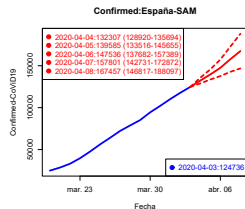
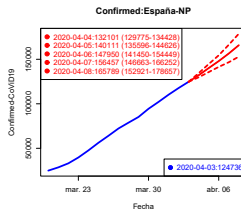
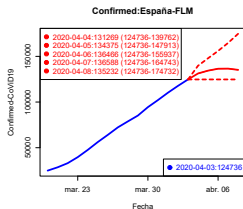
Table: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
– 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.071	0.061	0.119	0.183	0.265	0.342
Andalucía	0.075	0.067	0.138	0.215	0.301	0.401
Aragón	0.077	0.080	0.171	0.280	0.397	0.495
Asturias	0.052	0.054	0.085	0.106	0.142	0.158
Islas.Baleares	0.040	0.035	0.063	0.109	0.153	0.173
Canarias	0.049	0.045	0.084	0.126	0.192	0.253
Cantabria	0.046	0.037	0.045	0.073	0.090	0.063
Castilla.La.Mancha	0.099	0.096	0.187	0.285	0.383	0.448
Castilla.y.León	0.071	0.064	0.126	0.203	0.295	0.361
Cataluña	0.075	0.065	0.125	0.199	0.260	0.328
Ceuta	0.183	0.153	0.329	0.605	0.786	1.115
Comunidad.Valenciana	0.055	0.058	0.112	0.174	0.259	0.333
Extremadura	0.050	0.054	0.117	0.184	0.303	0.465
Galicia	0.085	0.088	0.172	0.276	0.358	0.416
Madrid	0.071	0.058	0.124	0.158	0.229	0.330
Melilla	0.099	0.073	0.155	0.220	0.298	0.387
Murcia	0.048	0.042	0.073	0.124	0.186	0.225
Navarra	0.062	0.054	0.104	0.142	0.211	0.295
País.Vasco	0.062	0.051	0.092	0.138	0.202	0.258
La.Rioja	0.072	0.071	0.146	0.203	0.283	0.374

Table: Previsión Ratio Incr. Confirmados: Mod. Aditivo - Horizonte 1 – 5 días.

Confirmados: España

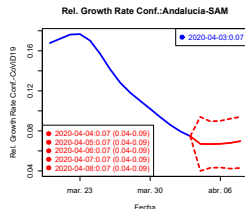
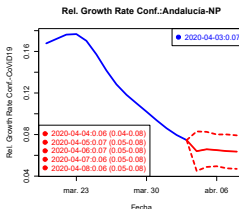
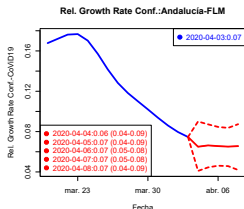
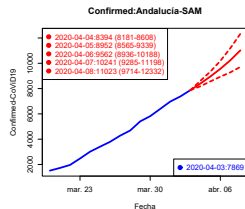
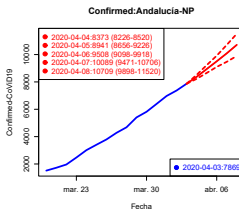
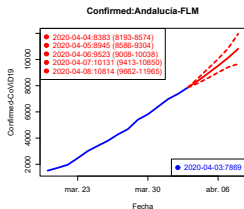


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Andalucía

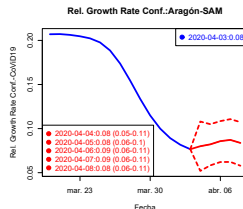
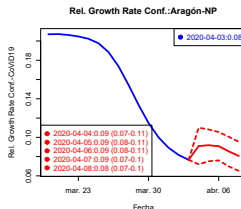
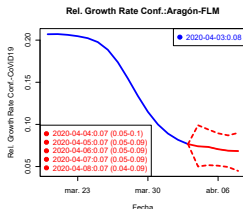
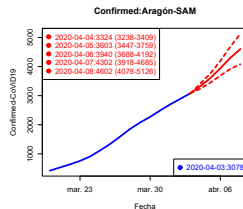
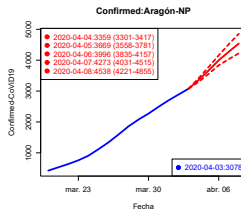
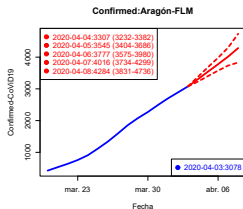


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Aragón

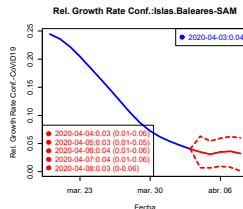
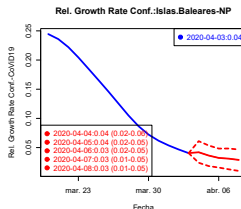
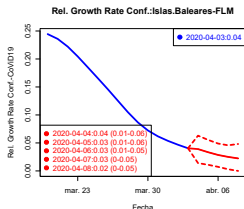
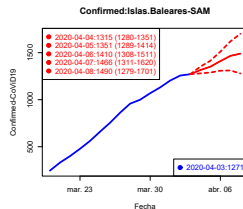
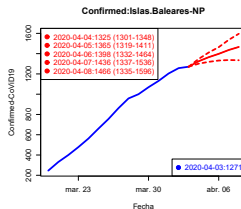
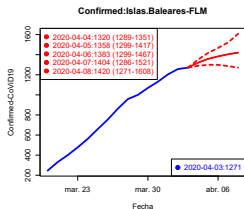


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Islas Baleares

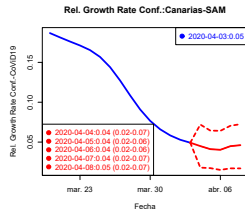
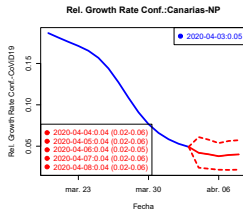
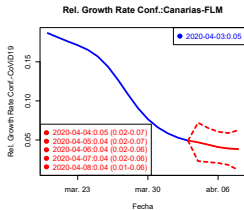
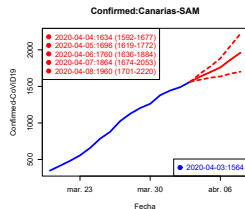
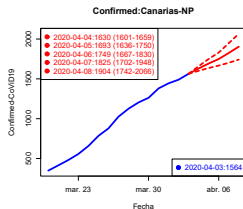
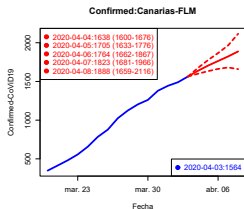


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Canarias

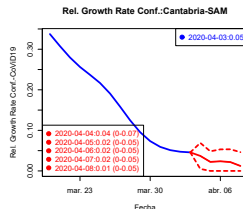
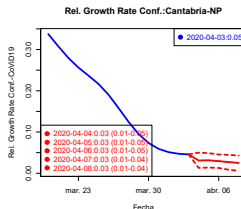
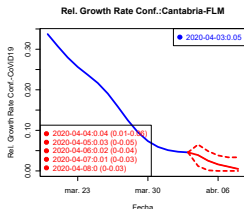
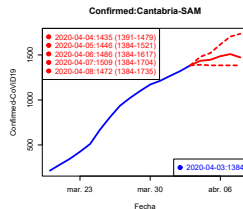
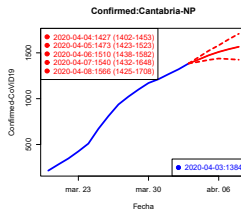
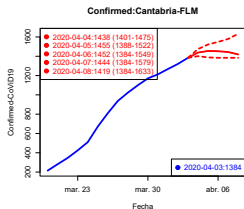


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cantabria

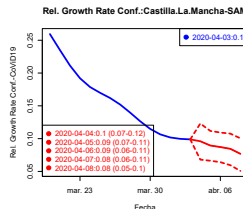
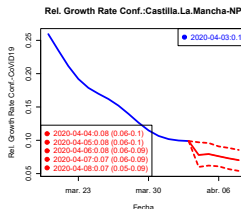
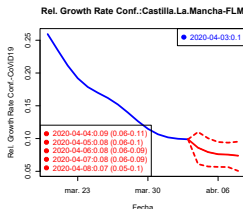
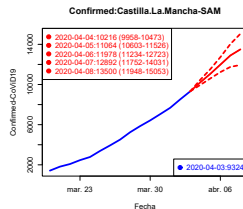
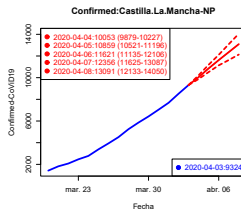
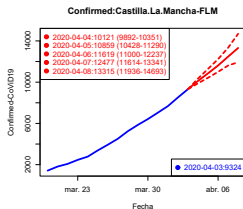


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla-La Mancha

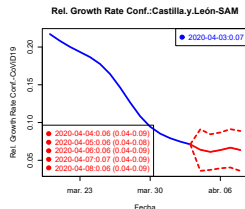
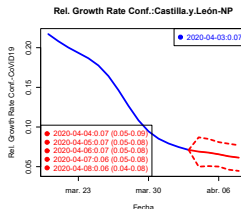
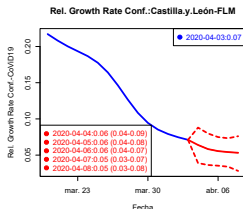
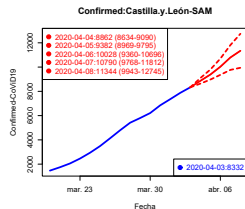
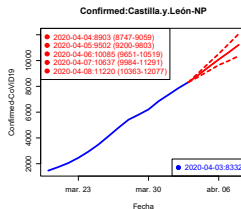
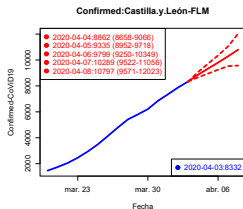


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla y León



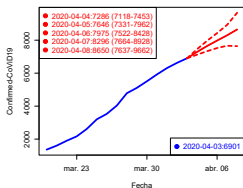
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

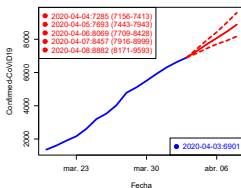
◀ Fallecidos

Confirmados: C. Valenciana

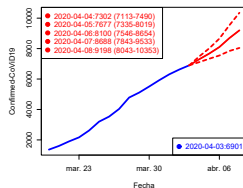
Confirmed:Comunidad.Valenciana-FLM



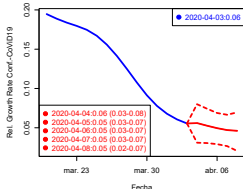
Confirmed:Comunidad.Valenciana-NP



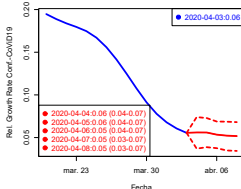
Confirmed:Comunidad.Valenciana-SAM



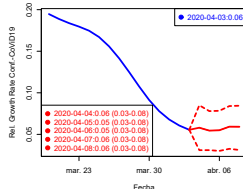
Rel. Growth Rate Conf.:Comunidad.Valenciana-FLM



Rel. Growth Rate Conf.:Comunidad.Valenciana-NP



Rel. Growth Rate Conf.:Comunidad.Valenciana-SAM

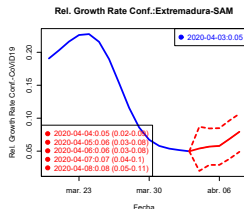
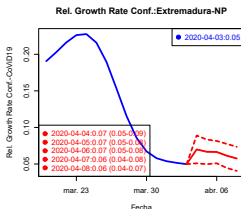
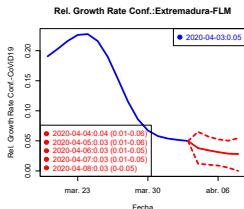
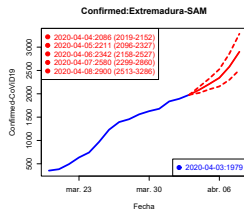
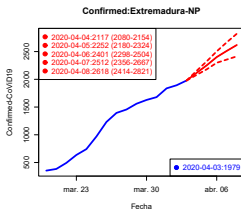
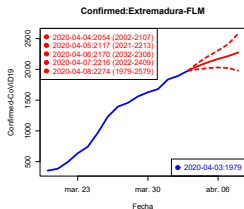


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Extremadura



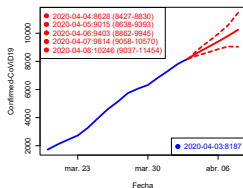
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

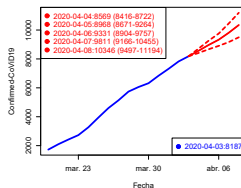
◀ Fallecidos

Confirmados: País Vasco

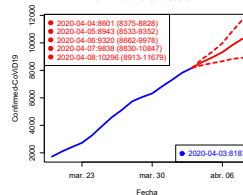
Confirmed:País.Vasco-FLM



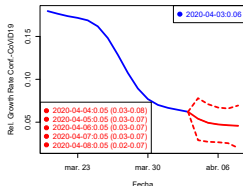
Confirmed:País.Vasco-NP



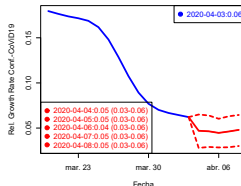
Confirmed:País.Vasco-SAM



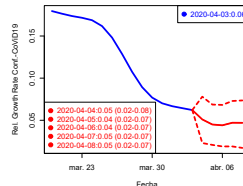
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Rel. Growth Rate Conf.:País.Vasco-NP



Rel. Growth Rate Conf.:País.Vasco-SAM



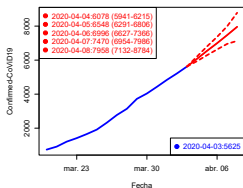
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

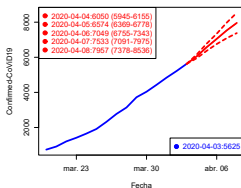
◀ Fallecidos

Confirmados: Galicia

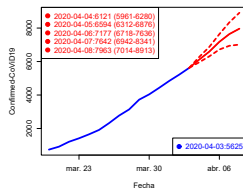
Confirmed:Galicia-FLM



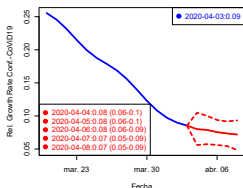
Confirmed:Galicia-NP



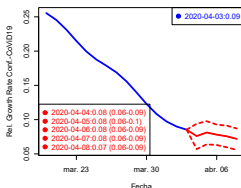
Confirmed:Galicia-SAM



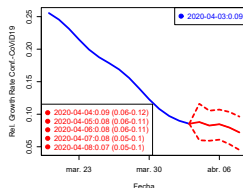
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Rel. Growth Rate Conf.:Galicia-NP



Rel. Growth Rate Conf.:Galicia-SAM

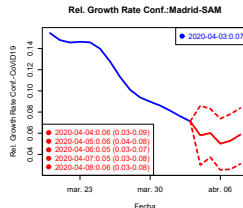
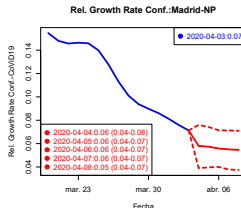
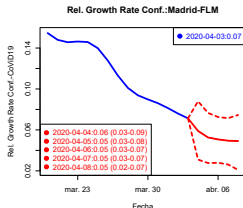
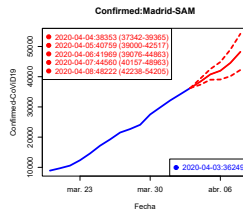
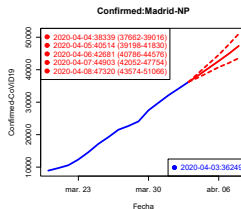
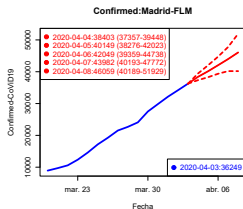


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid

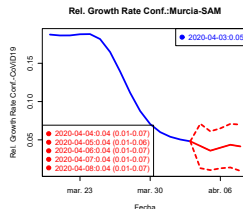
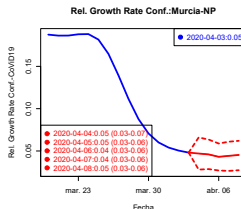
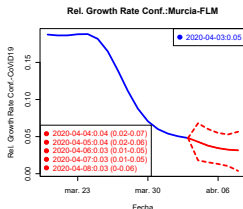
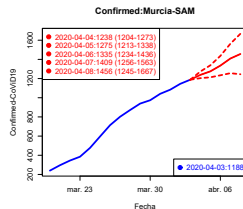
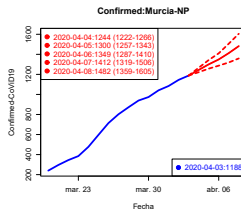
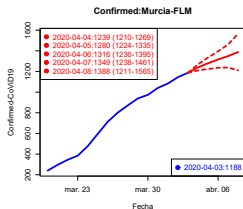


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Murcia

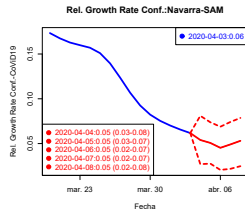
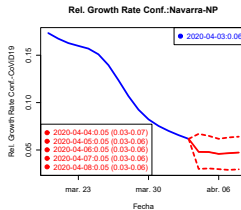
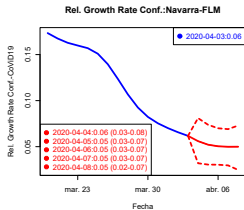
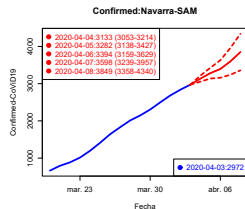
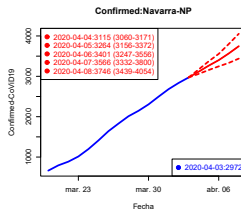
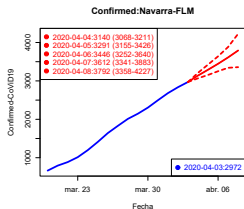


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Navarra

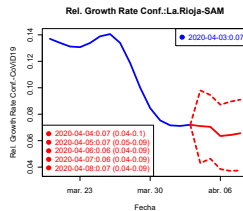
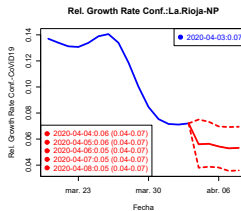
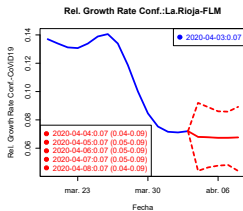
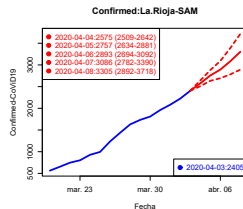
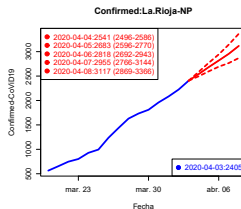
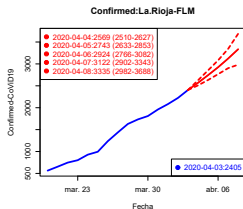


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: La Rioja



Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

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Países/Regiones distintos incorporados: 64

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► País Vasco ► Galicia ► Madrid ► Murcia ► Navarra ► La Rioja

► Mod Lineal ► Mod NP ► Mod Aditivo

Horiz	Medida	FLM	NP	SAM
H1	σ_R^2	0.052	0.01	0.048
H1	$\sigma_R^2(rob.)$	0.056	0.002	0.052
H1	r^2	0.118	0.875	0.171
H2	σ_R^2	0.146	0.03	0.135
H2	$\sigma_R^2(rob.)$	0.125	0.011	0.128
H2	r^2	0.189	0.875	0.249
H3	σ_R^2	0.353	0.075	0.327
H3	$\sigma_R^2(rob.)$	0.352	0.054	0.329
H3	r^2	0.218	0.873	0.271

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	11744	12381	13102	13941	14422	14760
Andalucía	426	461	501	554	587	610
Aragón	251	281	317	346	392	445
Asturias	76	76	76	76	76	76
Islas.Baleares	71	74	77	80	77	71
Canarias	78	81	83	85	85	82
Cantabria	68	71	74	78	75	68
Castilla.La.Mancha	989	989	989	989	989	989
Castilla.y.León	786	840	902	963	1012	1054
Cataluña	2508	2642	2793	2997	2987	2872
Ceuta	1	1	1	2	2	3
Comunidad.Valenciana	571	601	633	674	682	672
Extremadura	208	230	257	291	317	338
Galicia	159	172	186	201	210	216
Madrid	4723	4903	5108	5377	5513	5602
Melilla	2	2	3	4	4	5
Murcia	51	52	54	54	53	51
Navarra	171	171	171	171	171	171
País.Vasco	477	515	560	607	660	719
La.Rioja	128	129	128	132	128	128

Table: Previsión fallecidos: Mod. lineal - Horizonte 1 – 5 días.

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	11744	12835	13960	15113	16289	17623
Andalucía	426	466	508	552	595	643
Aragón	251	283	316	349	379	413
Asturias	76	79	82	86	90	96
Islas.Baleares	71	76	81	85	91	98
Canarias	78	84	90	97	104	111
Cantabria	68	72	76	79	82	89
Castilla.La.Mancha	989	1108	1220	1331	1450	1586
Castilla.y.León	786	873	957	1040	1125	1225
Cataluña	2508	2764	2984	3194	3441	3783
Ceuta	1	1	1	2	2	3
Comunidad.Valenciana	571	625	682	738	796	861
Extremadura	208	226	242	255	269	286
Galicia	159	180	201	220	242	266
Madrid	4723	5098	5485	5883	6271	6709
Melilla	2	2	2	2	3	3
Murcia	51	55	60	64	69	74
Navarra	171	185	199	214	228	245
País.Vasco	477	516	558	601	644	693
La.Rioja	128	139	150	162	173	185

Table: Previsión fallecidos: Mod. No Paramétrico - Horizonte 1 – 5 días.

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	11744	12355	11744	12304	11744	11744
Andalucía	426	459	477	502	500	493
Aragón	251	281	300	330	372	401
Asturias	76	76	76	76	76	76
Islas.Baleares	71	71	71	71	71	71
Canarias	78	78	78	78	78	78
Cantabria	68	68	68	68	68	68
Castilla.La.Mancha	989	989	989	989	989	989
Castilla.y.León	786	826	840	817	789	786
Cataluña	2508	2596	2508	2508	2508	2508
Ceuta	1	1	1	2	2	2
Comunidad.Valenciana	571	587	571	611	576	571
Extremadura	208	228	218	257	258	241
Galicia	159	166	167	180	182	199
Madrid	4723	5053	4723	5096	4887	4723
Melilla	2	3	3	4	4	4
Murcia	51	53	51	51	51	51
Navarra	171	171	171	171	171	171
País.Vasco	477	531	561	615	655	665
La.Rioja	128	128	128	128	128	128

Table: Previsión fallecidos: Mod. Aditivo - Horizonte 1 – 5 días.

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.092	0.054	0.116	0.187	0.228	0.257
Andalucía	0.127	0.081	0.176	0.301	0.377	0.431
Aragón	0.151	0.120	0.260	0.375	0.558	0.769
Asturias	0.077	0.000	0.000	0.000	0.000	0.000
Islas.Baleares	0.137	0.041	0.080	0.131	0.087	0.000
Canarias	0.095	0.033	0.065	0.092	0.085	0.050
Cantabria	0.129	0.048	0.093	0.145	0.095	0.000
Castilla.La.Mancha	0.088	0.000	0.000	0.000	0.000	0.000
Castilla.y.León	0.111	0.069	0.148	0.225	0.288	0.340
Cataluña	0.108	0.053	0.114	0.195	0.191	0.145
Ceuta	0.001	0.079	0.181	0.255	0.515	0.877
Comunidad.Valenciana	0.133	0.052	0.108	0.180	0.195	0.177
Extremadura	0.111	0.106	0.235	0.396	0.522	0.622
Galicia	0.166	0.082	0.171	0.261	0.316	0.355
Madrid	0.068	0.038	0.082	0.138	0.167	0.186
Melilla	0.145	0.139	0.315	0.585	0.796	0.991
Murcia	0.119	0.026	0.054	0.066	0.033	0.000
Navarra	0.107	0.000	0.000	0.000	0.000	0.000
País.Vasco	0.092	0.080	0.174	0.273	0.384	0.506
La.Rioja	0.121	0.004	0.003	0.030	0.000	0.000

Table: Previsión Ratio Incr. Fallecidos: Mod. lineal - Horizonte 1 – 5 días.

Tabla Ratio Incr. Fallecidos: Mod. No Paramétrico.

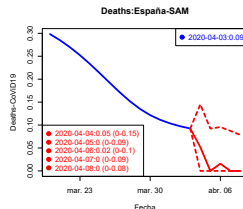
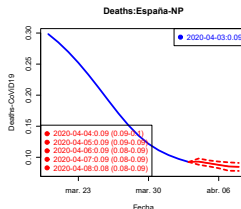
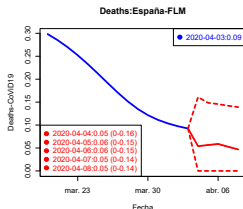
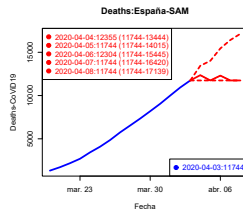
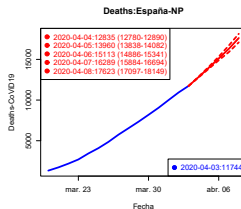
	Last	H1	H2	H3	H4	H5
España	0.092	0.093	0.189	0.287	0.387	0.501
Andalucía	0.127	0.094	0.193	0.295	0.395	0.507
Aragón	0.151	0.128	0.259	0.388	0.509	0.645
Asturias	0.077	0.039	0.081	0.126	0.181	0.257
Islas.Baleares	0.137	0.071	0.136	0.201	0.277	0.373
Canarias	0.095	0.076	0.157	0.240	0.325	0.422
Cantabria	0.129	0.065	0.115	0.159	0.207	0.309
Castilla.La.Mancha	0.088	0.120	0.233	0.345	0.465	0.603
Castilla.y.León	0.111	0.111	0.218	0.322	0.431	0.558
Cataluña	0.108	0.102	0.190	0.274	0.372	0.508
Ceuta	0.001	0.135	0.176	0.393	0.618	0.763
Comunidad.Valenciana	0.133	0.095	0.193	0.293	0.393	0.507
Extremadura	0.111	0.084	0.160	0.226	0.292	0.374
Galicia	0.166	0.134	0.261	0.384	0.517	0.671
Madrid	0.068	0.079	0.161	0.246	0.328	0.420
Melilla	0.145	0.045	0.093	0.153	0.235	0.325
Murcia	0.119	0.085	0.172	0.258	0.347	0.448
Navarra	0.107	0.079	0.162	0.248	0.334	0.431
País.Vasco	0.092	0.083	0.170	0.259	0.349	0.451
La.Rioja	0.121	0.085	0.172	0.264	0.351	0.446

Table: Previsión Ratio Incr. Fallecidos: Mod. No Paramétrico - Horizonte 1 – 5 días.

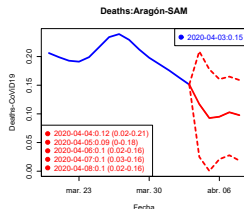
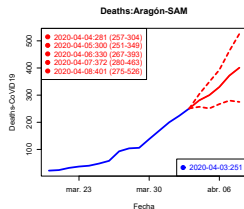
Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.092	0.052	0.000	0.048	0.000	0.000
Andalucía	0.127	0.076	0.119	0.179	0.174	0.157
Aragón	0.151	0.117	0.194	0.313	0.479	0.594
Asturias	0.077	0.000	0.000	0.000	0.000	0.000
Islas.Baleares	0.137	0.000	0.000	0.000	0.000	0.000
Canarias	0.095	0.005	0.000	0.000	0.000	0.000
Cantabria	0.129	0.000	0.000	0.000	0.000	0.000
Castilla.La.Mancha	0.088	0.000	0.000	0.000	0.000	0.000
Castilla.y.León	0.111	0.050	0.069	0.039	0.004	0.000
Cataluña	0.108	0.035	0.000	0.000	0.000	0.000
Ceuta	0.001	0.159	0.232	0.330	0.529	0.616
Comunidad.Valenciana	0.133	0.028	0.000	0.069	0.010	0.000
Extremadura	0.111	0.094	0.049	0.233	0.238	0.157
Galicia	0.166	0.043	0.048	0.128	0.143	0.249
Madrid	0.068	0.070	0.000	0.079	0.035	0.000
Melilla	0.145	0.231	0.358	0.638	0.807	0.738
Murcia	0.119	0.045	0.000	0.000	0.000	0.000
Navarra	0.107	0.000	0.000	0.000	0.000	0.000
País.Vasco	0.092	0.114	0.176	0.288	0.372	0.393
La.Rioja	0.121	0.000	0.000	0.000	0.000	0.000

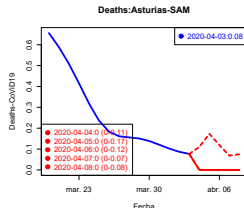
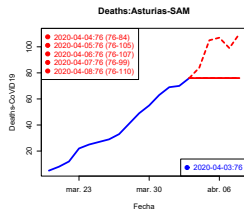
Table: Previsión Ratio Incr. Fallecidos: Mod. Aditivo - Horizonte 1 – 5 días.

[illegible]

◀ Confirmados

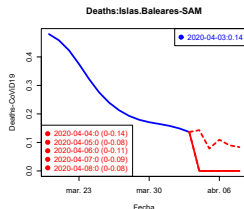
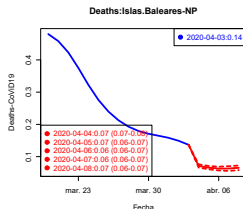
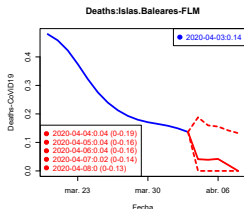
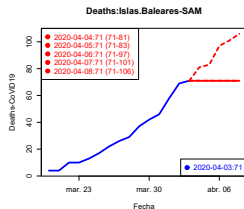
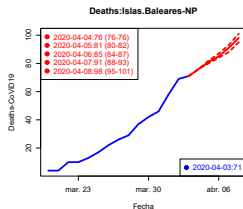
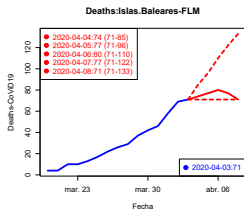


◀ Confirmados ◀ Fallecidos



◀ Confirmados ◀ Fallecidos

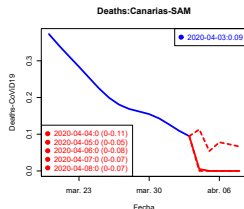
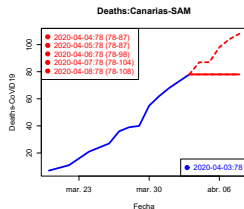
Fallecidos: Islas Baleares



Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

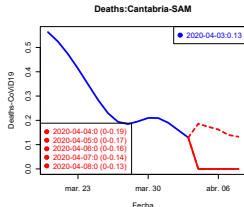
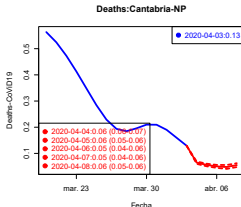
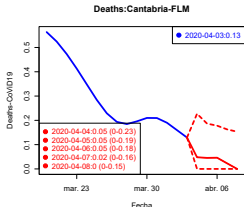
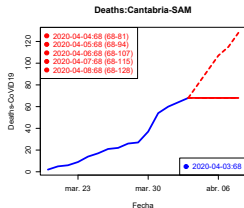
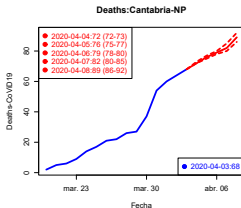
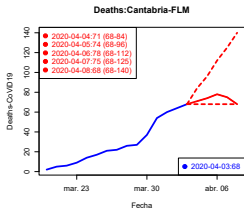
◀ Confirmados

◀ Fallecidos



◀ Confirmados ▶ Fallecidos

Fallecidos: Cantabria

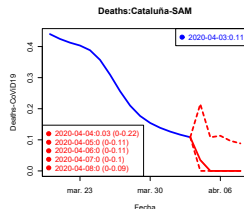
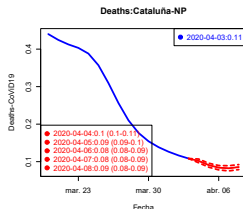
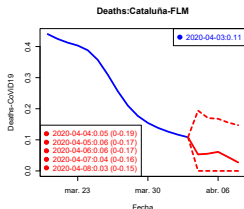
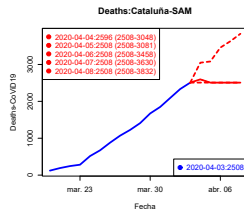
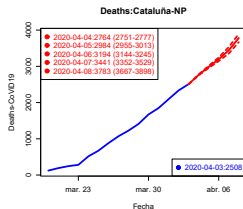
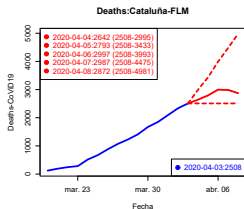


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Cataluña

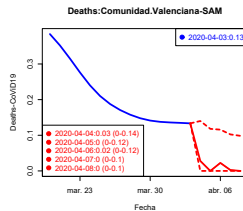
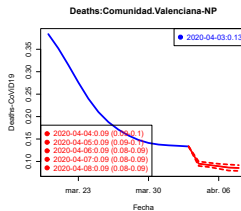
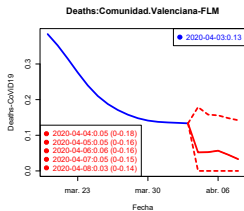
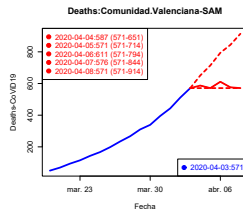
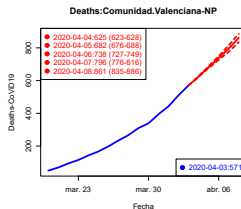
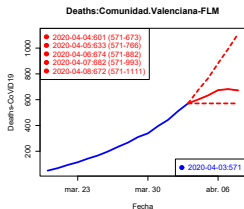


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: C. Valenciana

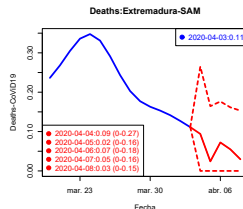
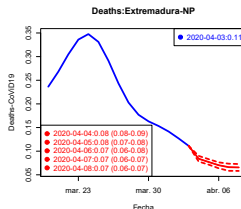
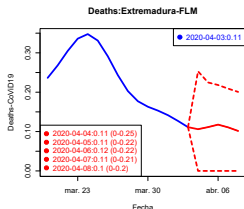
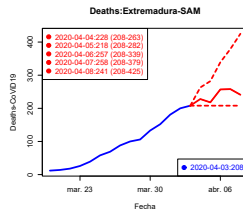
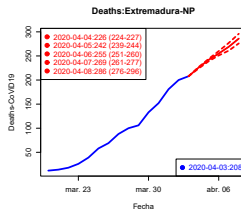
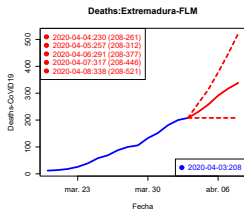


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Extremadura

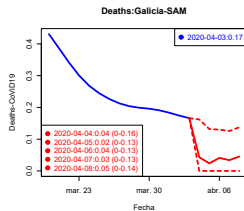
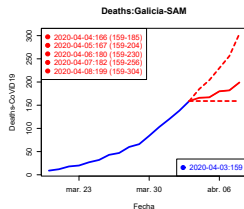


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

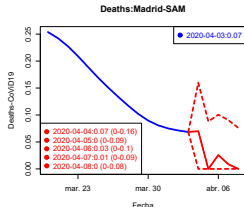
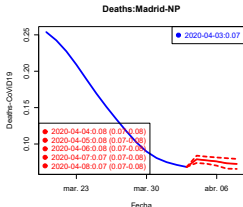
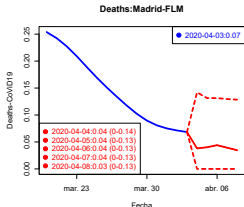
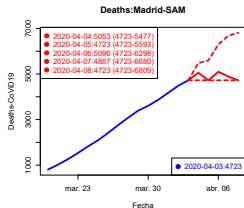
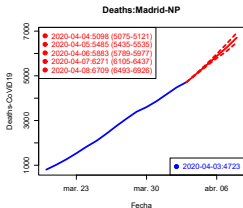
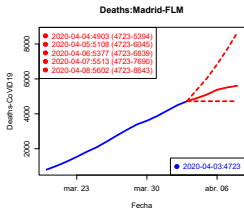
◀ Fallecidos

○○



◀ Confirmados

Fallecidos: Madrid

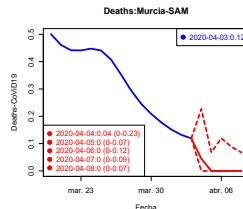
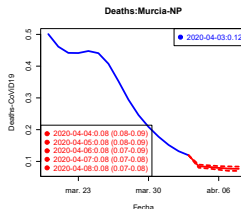
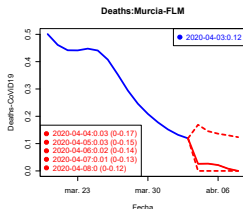
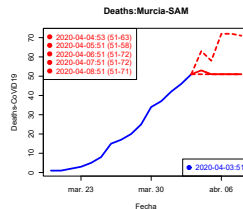
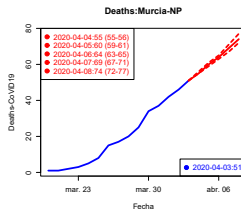
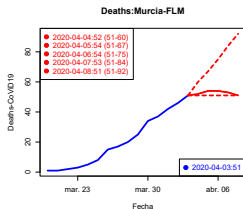


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

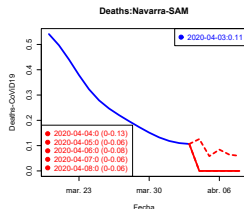
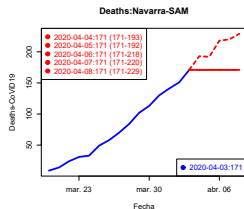
Fallecidos: Murcia



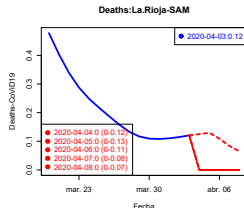
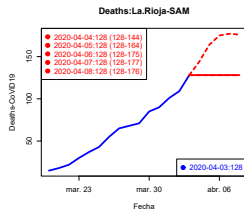
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos



◀ Confirmados ◀ Fallecidos



◀ Confirmados ▶ Fallecidos

Breve descripción del Modelo de predicción

Objetivo: Predecir ratio de incremento de casos confirmados a 1, 2, o 3 días: $r^{(k)}(t) = \frac{x_{t+k} - x_t}{x_t + 1}$

Información usada: Pasado de esta variable suavizado (retardo 1) durante los últimos 15 días:

$$R^{(1)} = \{r^{(1)}(-14), \dots, r^{(1)}(0)\}.$$

Datos para alimentar el modelo: https://github.com/CSSEGISandData/COVID-19/tree/master/csse_covid_19_data/csse_covid_19_time_series/. Algunas series de tiempo (como el Diamond Princess) son filtrados por inconsistencia, presunta falta de veracidad o por anormalmente valores bajos. En la predicción final se reconstruye el número de casos esperado. Se construyen tres modelos funcionales de la regresión general: $r^{(k)}(0) = f(R^{(1)}) + \epsilon$ donde la diferencia radica en la forma de la función f

- Lineal: $f(R^{(1)}) = \int_{-14}^0 R^{(1)}(t)\beta(t)dt$
- NP: f es una estimación no paramétrica tipo núcleo.
- SAM: f es una combinación aditiva de funciones suaves de las componentes principales funcionales.

Para el objetivo de predecir el ratio de incremento de fallecidos, se usa además del pasado de la propia variable, el ratio de incremento pasado de casos confirmados.