

Predicciones sobre CoViD-19

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- Predicciones

- Predicciones Fallecidos

Datos

Número de datos funcionales: 4662

Países/Regiones distintos incorporados: 168

Predicciones:

► España

► Andalucía

► Aragón

► Asturias

► I. Balears

► **Canarias**

► Cantabria

► **Cataluña**

► **Castilla-La Mancha**

▶ Castilla y León

► C. Valenciana

► Extremadura

▶ País Vasco

▶ Galicia

▶ Madrid

► Murcia

▶ Navarra

► La Rioja

▶ Mod Lineal

▶ Mod NP

► Mod Aditivo

	σ_R^2			$\sigma_R^2(rob.)$			r^2		
Horiz	FLM	NP	SAM	FLM	NP	SAM	FLM	NP	SAM
H1	0.004	0.001	0.004	0.003	0.001	0.003	0.439	0.873	0.449
H2	0.01	0.003	0.01	0.008	0.002	0.008	0.581	0.903	0.598
H3	0.022	0.006	0.021	0.019	0.005	0.019	0.63	0.916	0.648
H4	0.045	0.013	0.043	0.039	0.009	0.037	0.626	0.915	0.648
H5	0.084	0.023	0.078	0.072	0.015	0.067	0.614	0.915	0.641

Último dato: 2020-04-23 21:00 que se publica 2020-04-24 12:00.

Tabla Previsión Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	219764	221931	224322	226546	228373	230282
Andalucía	12495	12787	13120	13478	13869	14282
Aragón	5295	5402	5511	5625	5745	5871
Asturias	2509	2554	2600	2647	2694	2743
Islas.Baleares	1878	1907	1937	1967	1996	2027
Canarias	2140	2164	2189	2212	2235	2258
Cantabria	2273	2327	2389	2454	2521	2593
Castilla.La.Mancha	18053	18394	18750	19109	19473	19855
Castilla.y.León	17776	18224	18684	19167	19682	20225
Cataluña	46571	47673	48892	50177	51526	52963
Ceuta	125	129	133	137	142	147
Comunidad.Valenciana	10906	11109	11314	11532	11770	12019
Extremadura	3403	3471	3546	3619	3693	3768
Galicia	8932	9084	9239	9401	9571	9751
Madrid	61726	62839	64031	65255	66472	67790
Melilla	116	119	122	126	130	135
Murcia	1741	1764	1787	1809	1830	1853
Navarra	5180	5300	5430	5568	5717	5873
País.Vasco	13780	14064	14369	14689	15029	15385
La.Rioja	4865	5169	5556	5996	6503	7037

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

Tabla Previsión Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	219764	223804	228058	232865	238296	244941
Andalucía	12495	12653	12817	13001	13208	13454
Aragón	5295	5378	5462	5556	5659	5785
Asturias	2509	2546	2583	2623	2668	2721
Islas.Baleares	1878	1895	1913	1931	1951	1973
Canarias	2140	2147	2154	2161	2168	2175
Cantabria	2273	2316	2363	2414	2472	2543
Castilla.La.Mancha	18053	18333	18613	18921	19257	19665
Castilla.y.León	17776	18133	18480	18848	19230	19666
Cataluña	46571	47599	48694	49946	51370	53128
Ceuta	125	128	131	135	139	144
Comunidad.Valenciana	10906	11043	11185	11343	11519	11729
Extremadura	3403	3455	3507	3563	3622	3695
Galicia	8932	9025	9120	9224	9338	9471
Madrid	61726	62956	64264	65736	67405	69446
Melilla	116	117	117	118	119	119
Murcia	1741	1754	1767	1781	1795	1812
Navarra	5180	5270	5364	5471	5589	5735
País.Vasco	13780	13983	14191	14425	14684	14998
La.Rioja	4865	5161	5515	5966	6527	7232

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

Tabla Previsión Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	219764	224725	229795	234783	240509	246047
Andalucía	12495	12804	13150	13502	13898	14317
Aragón	5295	5399	5504	5598	5715	5821
Asturias	2509	2553	2597	2636	2687	2730
Islas.Baleares	1878	1901	1921	1937	1963	1986
Canarias	2140	2161	2180	2201	2224	2249
Cantabria	2273	2321	2374	2426	2490	2562
Castilla.La.Mancha	18053	18366	18670	18914	19230	19493
Castilla.y.León	17776	18238	18719	19156	19682	20179
Cataluña	46571	47763	49015	50273	51669	53077
Ceuta	125	129	133	137	142	147
Comunidad.Valenciana	10906	11124	11367	11623	11917	12262
Extremadura	3403	3467	3533	3590	3655	3709
Galicia	8932	9085	9242	9406	9590	9792
Madrid	61726	63001	64245	65518	67081	68628
Melilla	116	119	123	128	133	139
Murcia	1741	1763	1782	1797	1818	1832
Navarra	5180	5301	5433	5566	5712	5870
País.Vasco	13780	14069	14377	14671	15013	15350
La.Rioja	4865	5204	5642	6145	6665	7250

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	0.025	0.010	0.021	0.031	0.039	0.048
Andalucía	0.029	0.023	0.050	0.079	0.110	0.143
Aragón	0.021	0.020	0.041	0.062	0.085	0.109
Asturias	0.018	0.018	0.036	0.055	0.074	0.093
Islas.Baleares	0.012	0.015	0.032	0.047	0.063	0.079
Canarias	0.009	0.011	0.023	0.034	0.044	0.055
Cantabria	0.023	0.024	0.051	0.079	0.109	0.141
Castilla.La.Mancha	0.019	0.019	0.039	0.058	0.079	0.100
Castilla.y.León	0.028	0.025	0.051	0.078	0.107	0.138
Cataluña	0.028	0.024	0.050	0.077	0.106	0.137
Ceuta	0.033	0.029	0.061	0.096	0.135	0.176
Comunidad.Valenciana	0.021	0.019	0.037	0.057	0.079	0.102
Extremadura	0.021	0.020	0.042	0.064	0.085	0.107
Galicia	0.018	0.017	0.034	0.052	0.072	0.092
Madrid	0.022	0.018	0.037	0.057	0.077	0.098
Melilla	0.034	0.025	0.055	0.087	0.124	0.162
Murcia	0.012	0.013	0.026	0.039	0.051	0.065
Navarra	0.026	0.023	0.048	0.075	0.104	0.134
País.Vasco	0.023	0.021	0.043	0.066	0.091	0.116
La.Rioja	0.094	0.062	0.142	0.232	0.337	0.446

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	0.025	0.018	0.038	0.060	0.084	0.115
Andalucía	0.029	0.013	0.026	0.041	0.057	0.077
Aragón	0.021	0.016	0.032	0.049	0.069	0.092
Asturias	0.018	0.015	0.029	0.046	0.063	0.084
Islas.Baleares	0.012	0.009	0.019	0.028	0.039	0.051
Canarias	0.009	0.003	0.006	0.010	0.013	0.016
Cantabria	0.023	0.019	0.039	0.062	0.087	0.119
Castilla.La.Mancha	0.019	0.016	0.031	0.048	0.067	0.089
Castilla.y.León	0.028	0.020	0.040	0.060	0.082	0.106
Cataluña	0.028	0.022	0.046	0.072	0.103	0.141
Ceuta	0.033	0.023	0.048	0.078	0.112	0.154
Comunidad.Valenciana	0.021	0.013	0.026	0.040	0.056	0.075
Extremadura	0.021	0.015	0.031	0.047	0.064	0.086
Galicia	0.018	0.010	0.021	0.033	0.045	0.060
Madrid	0.022	0.020	0.041	0.065	0.092	0.125
Melilla	0.034	0.005	0.011	0.016	0.022	0.029
Murcia	0.012	0.008	0.015	0.023	0.031	0.041
Navarra	0.026	0.017	0.036	0.056	0.079	0.107
País.Vasco	0.023	0.015	0.030	0.047	0.066	0.088
La.Rioja	0.094	0.061	0.134	0.226	0.342	0.486

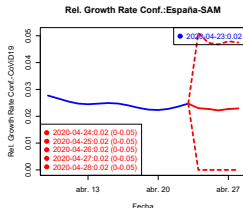
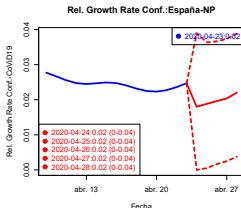
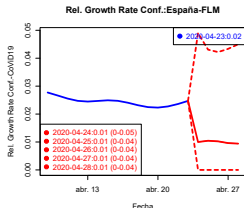
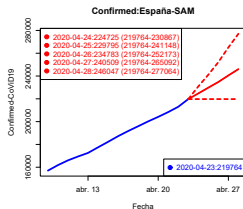
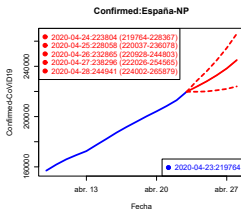
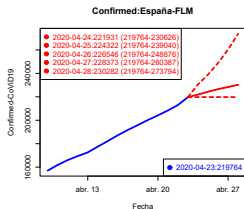
Table: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
– 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.025	0.023	0.046	0.068	0.094	0.120
Andalucía	0.029	0.025	0.052	0.081	0.112	0.146
Aragón	0.021	0.020	0.040	0.057	0.079	0.099
Asturias	0.018	0.018	0.035	0.051	0.071	0.088
Islas.Baleares	0.012	0.012	0.023	0.032	0.045	0.058
Canarias	0.009	0.010	0.019	0.028	0.039	0.051
Cantabria	0.023	0.021	0.044	0.067	0.095	0.127
Castilla.La.Mancha	0.019	0.017	0.034	0.048	0.065	0.080
Castilla.y.León	0.028	0.026	0.053	0.078	0.107	0.135
Cataluña	0.028	0.026	0.052	0.079	0.109	0.140
Ceuta	0.033	0.028	0.060	0.093	0.132	0.176
Comunidad.Valenciana	0.021	0.020	0.042	0.066	0.093	0.124
Extremadura	0.021	0.019	0.038	0.055	0.074	0.090
Galicia	0.018	0.017	0.035	0.053	0.074	0.096
Madrid	0.022	0.021	0.041	0.061	0.087	0.112
Melilla	0.034	0.027	0.061	0.099	0.142	0.193
Murcia	0.012	0.013	0.023	0.032	0.044	0.053
Navarra	0.026	0.023	0.049	0.075	0.103	0.133
País.Vasco	0.023	0.021	0.043	0.065	0.089	0.114
La.Rioja	0.094	0.070	0.160	0.263	0.370	0.490

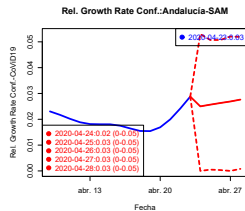
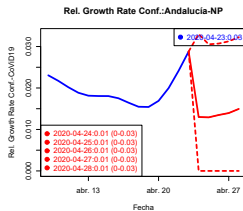
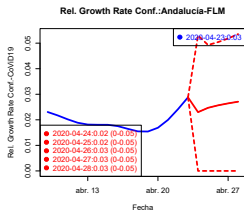
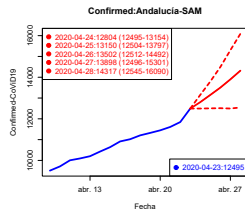
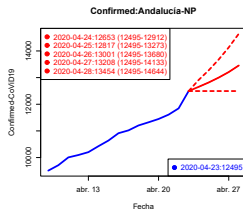
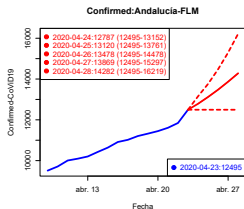
Table: Previsión Ratio Incr. Confirmados: Mod. Aditivo - Horizonte 1 – 5 días.

Confirmados: España



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

Confirmados: Andalucía

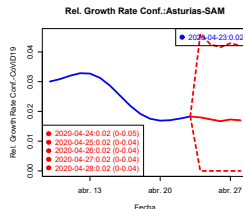
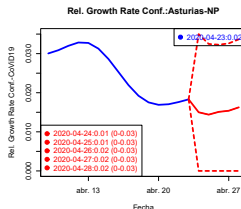
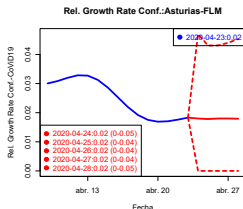
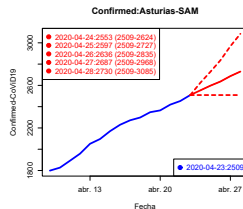
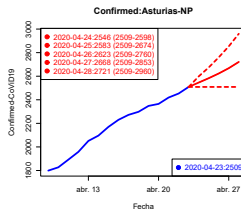
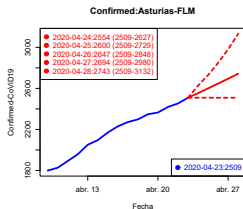


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Asturias

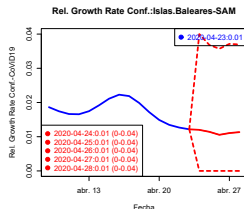
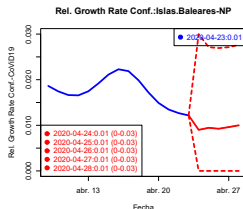
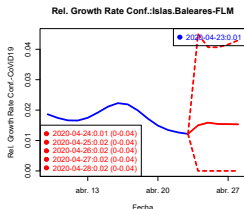
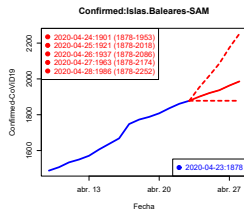
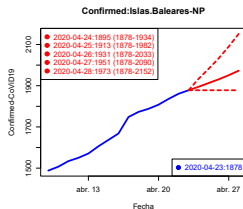
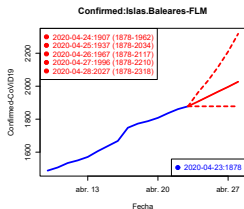


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Islas Baleares

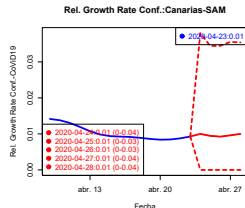
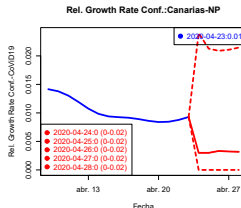
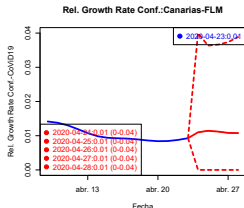
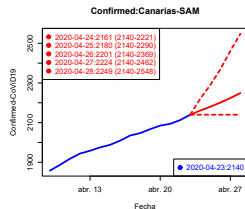
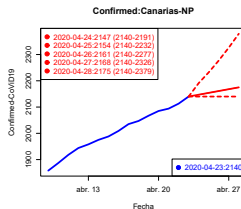
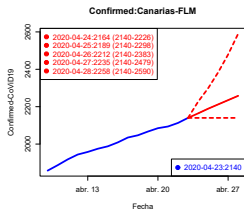


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

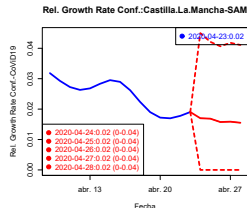
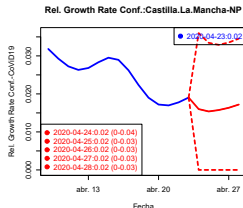
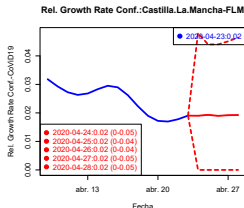
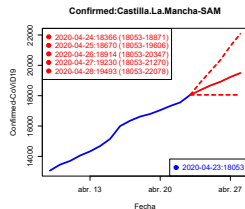
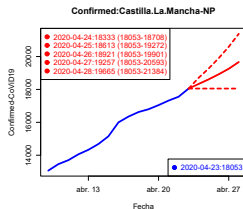
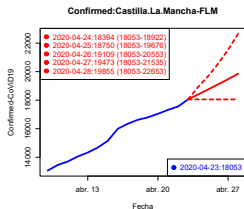
◀ Fallecidos

Confirmados: Canarias



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

Confirmados: Castilla-La Mancha

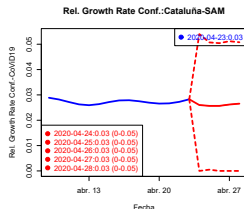
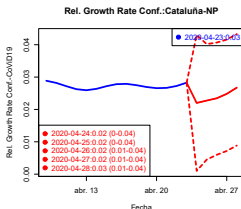
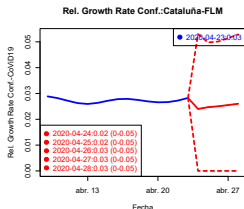
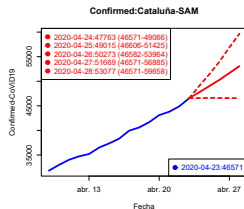
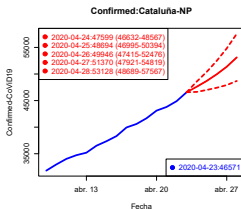
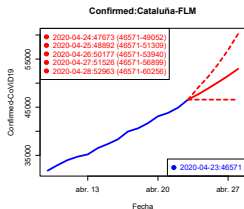


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cataluña



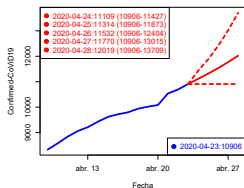
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

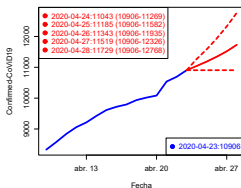
◀ Fallecidos

Confirmados: C. Valenciana

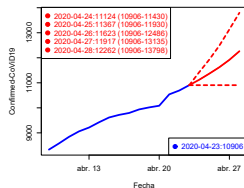
Confirmed:Comunidad.Valenciana-FLM



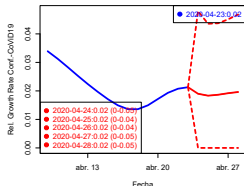
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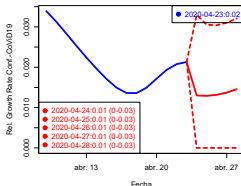
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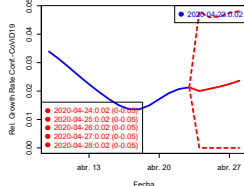
Rel. Growth Rate Conf.:Comunidad.Valenciana-FLM



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



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

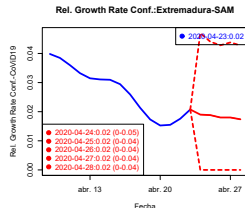
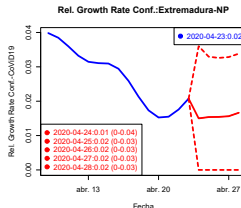
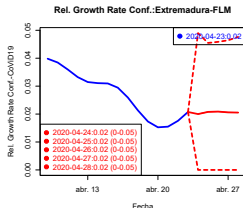
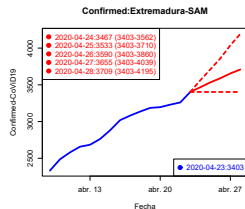
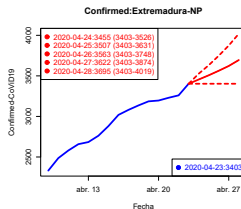
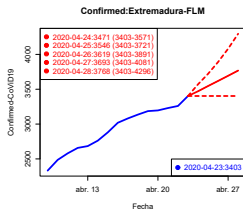


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Extremadura



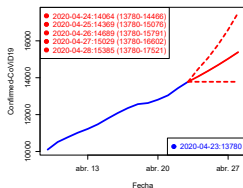
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

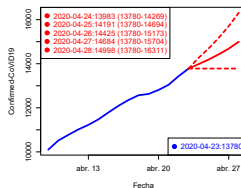
◀ Fallecidos

Confirmados: País Vasco

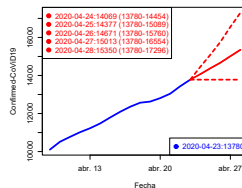
Confirmed:País.Vasco-FLM



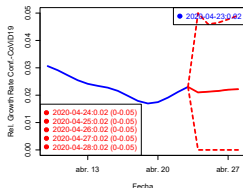
Confirmed:País.Vasco-NP



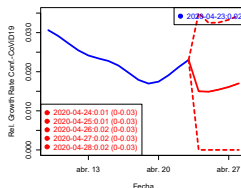
Confirmed:País.Vasco-SAM



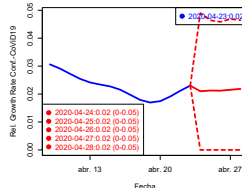
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Rel. Growth Rate Conf.:País.Vasco-NP



Rel. Growth Rate Conf.:País.Vasco-SAM

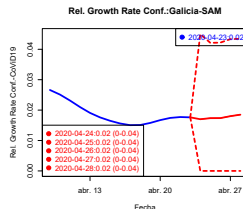
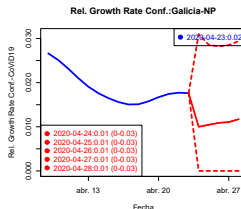
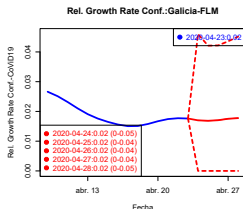
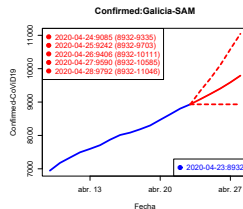
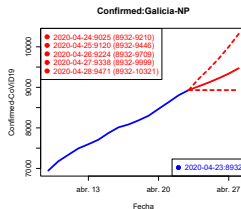
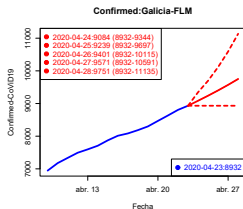


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia

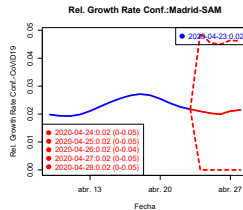
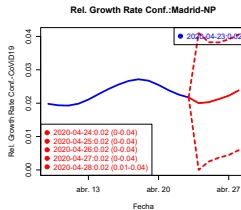
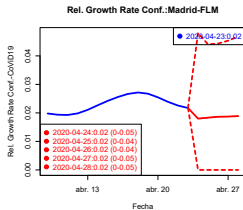
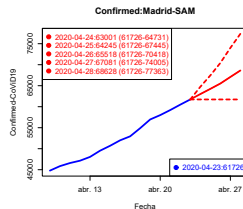
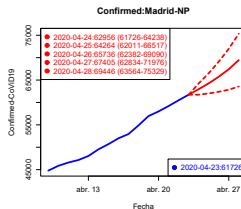
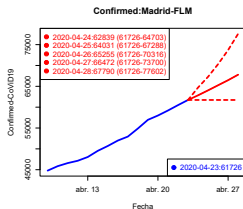


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid

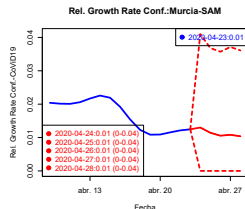
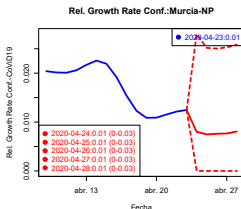
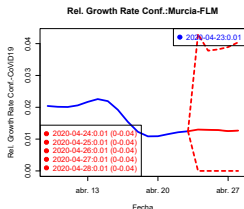
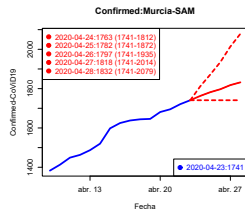
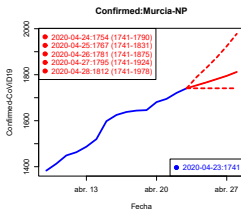
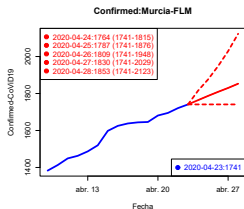


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Murcia

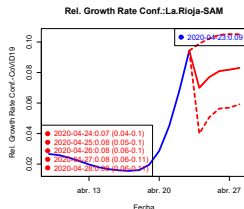
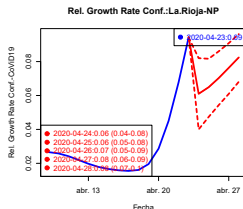
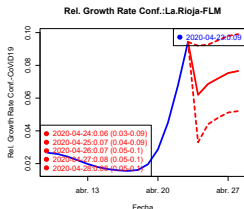
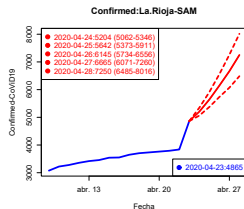
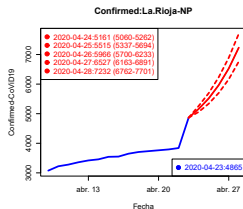
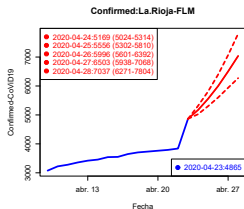


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: La Rioja



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

◀ Confirmados

◀ Fallecidos

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- Predicciones

2 Fallecidos

- Predicciones Fallecidos

Modelos para fallecidos por CoViD-19

Número de datos funcionales: 6061

Países/Regiones distintos incorporados: 95

Predicciones:

▶ España

▶ Andalucía

▶ Aragón

▶ Asturias

▶ I. Baleares

▶ Canarias

▶ Cantabria

▶ Castilla-La Mancha

▶ Castilla y León

▶ Cataluña

▶ C. Valenciana

▶ Extremadura

▶ País Vasco

▶ Galicia

▶ Madrid

▶ Murcia

▶ Navarra

▶ La Rioja

▶ Mod Lineal

▶ Mod NP

▶ Mod Aditivo

	σ_R^2			$\sigma_R^2(rob.)$			r^2		
Horiz	FLM	NP	SAM	FLM	NP	SAM	FLM	NP	SAM
H1	0.003	0.002	0.003	0.002	0.002	0.002	0.453	0.586	0.485
H2	0.009	0.006	0.008	0.006	0.005	0.006	0.553	0.731	0.613
H3	0.019	0.01	0.015	0.013	0.01	0.013	0.62	0.794	0.686
H4	0.035	0.018	0.027	0.024	0.014	0.023	0.651	0.821	0.729
H5	0.07	0.033	0.051	0.041	0.022	0.036	0.632	0.833	0.733

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	22524	22899	23203	23424	23577	23651
Andalucía	1107	1128	1145	1157	1165	1167
Aragón	695	711	724	735	743	750
Asturias	231	238	244	250	255	260
Islas.Baleares	172	177	180	182	184	185
Canarias	128	130	131	133	134	134
Cantabria	178	182	186	190	193	196
Castilla.La.Mancha	2255	2304	2347	2383	2415	2439
Castilla.y.León	1612	1638	1658	1674	1685	1691
Cataluña	4393	4473	4544	4600	4642	4670
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1147	1164	1177	1185	1189	1188
Extremadura	411	416	420	421	421	418
Galicia	382	390	396	400	402	404
Madrid	7765	7856	7921	7954	7961	7935
Melilla	2	2	2	2	2	2
Murcia	125	126	127	128	128	127
Navarra	417	432	444	455	464	475
País.Vasco	1193	1219	1241	1259	1273	1285
La.Rioja	307	313	317	320	322	323

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

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	22524	23009	23451	23874	24267	24650
Andalucía	1107	1135	1160	1185	1208	1230
Aragón	695	714	731	748	763	779
Asturias	231	238	245	251	258	264
Islas.Baleares	172	177	182	186	190	195
Canarias	128	130	132	135	136	138
Cantabria	178	183	187	192	196	200
Castilla.La.Mancha	2255	2311	2363	2412	2458	2503
Castilla.y.León	1612	1645	1676	1705	1732	1758
Cataluña	4393	4499	4597	4690	4778	4864
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1147	1171	1193	1214	1234	1253
Extremadura	411	419	427	434	441	448
Galicia	382	391	400	408	415	423
Madrid	7765	7902	8027	8147	8258	8367
Melilla	2	2	2	2	2	2
Murcia	125	127	130	132	134	136
Navarra	417	430	442	453	464	475
País.Vasco	1193	1223	1251	1278	1304	1328
La.Rioja	307	315	322	329	335	341

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

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	22524	22909	23189	23497	23743	24040
Andalucía	1107	1129	1146	1160	1175	1199
Aragón	695	710	719	732	742	751
Asturias	231	238	245	251	258	266
Islas.Baleares	172	176	180	182	186	188
Canarias	128	130	130	132	133	134
Cantabria	178	182	184	188	191	193
Castilla.La.Mancha	2255	2308	2348	2388	2424	2466
Castilla.y.León	1612	1641	1669	1695	1715	1750
Cataluña	4393	4470	4508	4577	4627	4677
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1147	1164	1172	1183	1191	1201
Extremadura	411	416	419	422	424	426
Galicia	382	390	396	401	406	411
Madrid	7765	7869	7973	8078	8158	8251
Melilla	2	2	2	2	2	2
Murcia	125	127	128	129	129	131
Navarra	417	425	440	451	453	466
País.Vasco	1193	1218	1235	1255	1272	1291
La.Rioja	307	312	317	321	327	339

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

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.019	0.017	0.030	0.040	0.047	0.050
Andalucía	0.025	0.019	0.035	0.045	0.052	0.054
Aragón	0.025	0.023	0.042	0.057	0.069	0.079
Asturias	0.040	0.029	0.056	0.080	0.103	0.123
Islas.Baleares	0.023	0.026	0.046	0.059	0.068	0.073
Canarias	0.022	0.014	0.026	0.036	0.043	0.048
Cantabria	0.029	0.024	0.046	0.067	0.086	0.102
Castilla.La.Mancha	0.028	0.022	0.041	0.057	0.071	0.082
Castilla.y.León	0.019	0.016	0.029	0.038	0.045	0.049
Cataluña	0.020	0.018	0.034	0.047	0.057	0.063
Ceuta	0.000	0.000	0.000	0.000	0.000	0.000
Comunidad.Valenciana	0.017	0.015	0.026	0.033	0.036	0.036
Extremadura	0.012	0.012	0.021	0.024	0.023	0.018
Galicia	0.020	0.020	0.036	0.047	0.053	0.057
Madrid	0.013	0.012	0.020	0.024	0.025	0.022
Melilla	0.000	0.001	0.000	0.000	0.000	0.000
Murcia	0.013	0.011	0.019	0.023	0.023	0.018
Navarra	0.021	0.036	0.065	0.090	0.113	0.139
País.Vasco	0.026	0.022	0.040	0.055	0.067	0.077
La.Rioja	0.017	0.019	0.033	0.043	0.049	0.051

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	0.019	0.022	0.041	0.060	0.077	0.094
Andalucía	0.025	0.025	0.048	0.070	0.091	0.111
Aragón	0.025	0.027	0.052	0.076	0.098	0.120
Asturias	0.040	0.031	0.060	0.088	0.115	0.141
Islas.Baleares	0.023	0.029	0.056	0.082	0.106	0.130
Canarias	0.022	0.018	0.035	0.050	0.065	0.080
Cantabria	0.029	0.027	0.052	0.076	0.099	0.121
Castilla.La.Mancha	0.028	0.025	0.048	0.070	0.090	0.110
Castilla.y.León	0.019	0.021	0.040	0.058	0.074	0.091
Cataluña	0.020	0.024	0.046	0.068	0.088	0.107
Ceuta	0.000	0.013	0.026	0.039	0.051	0.062
Comunidad.Valenciana	0.017	0.021	0.040	0.058	0.075	0.092
Extremadura	0.012	0.020	0.039	0.057	0.073	0.089
Galicia	0.020	0.024	0.046	0.067	0.087	0.106
Madrid	0.013	0.018	0.034	0.049	0.063	0.077
Melilla	0.000	0.013	0.026	0.039	0.051	0.062
Murcia	0.013	0.020	0.038	0.055	0.071	0.086
Navarra	0.021	0.031	0.059	0.086	0.113	0.139
País.Vasco	0.026	0.025	0.049	0.071	0.093	0.113
La.Rioja	0.017	0.025	0.048	0.070	0.090	0.110

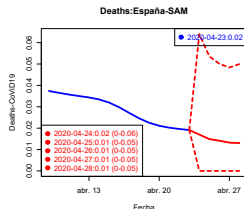
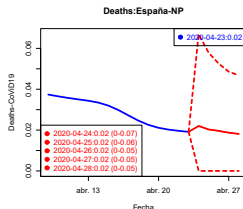
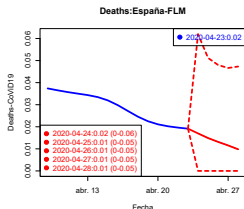
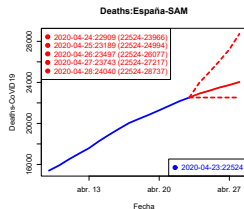
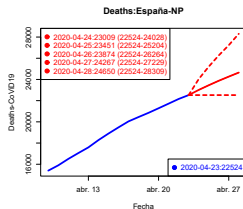
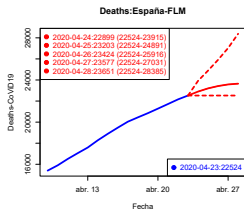
Table: Previsión Ratio Incr. Fallecidos: Mod. No Paramétrico - Horizonte 1 – 5 días.

Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.019	0.017	0.030	0.043	0.054	0.067
Andalucía	0.025	0.020	0.035	0.048	0.062	0.083
Aragón	0.025	0.021	0.035	0.053	0.068	0.081
Asturias	0.040	0.030	0.058	0.086	0.116	0.153
Islas.Baleares	0.023	0.024	0.045	0.060	0.079	0.091
Canarias	0.022	0.014	0.019	0.033	0.041	0.043
Cantabria	0.029	0.022	0.033	0.056	0.073	0.084
Castilla.La.Mancha	0.028	0.024	0.041	0.059	0.075	0.094
Castilla.y.León	0.019	0.018	0.036	0.051	0.064	0.085
Cataluña	0.020	0.018	0.026	0.042	0.053	0.065
Ceuta	0.000	0.004	0.024	0.044	0.059	0.077
Comunidad.Valenciana	0.017	0.015	0.022	0.032	0.038	0.047
Extremadura	0.012	0.012	0.020	0.028	0.032	0.036
Galicia	0.020	0.021	0.037	0.049	0.061	0.076
Madrid	0.013	0.013	0.027	0.040	0.051	0.063
Melilla	0.000	0.006	0.023	0.041	0.056	0.081
Murcia	0.013	0.014	0.022	0.028	0.035	0.047
Navarra	0.021	0.019	0.054	0.080	0.086	0.118
País.Vasco	0.026	0.021	0.035	0.052	0.066	0.082
La.Rioja	0.017	0.017	0.031	0.046	0.065	0.103

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

Fallecidos: España

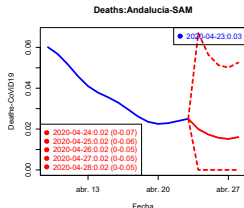
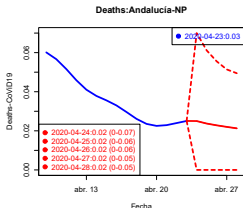
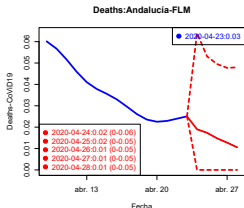
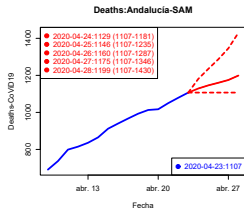
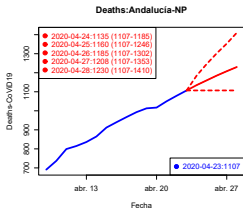
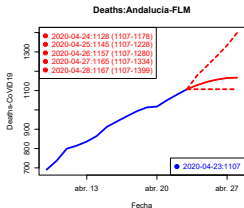


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Andalucía

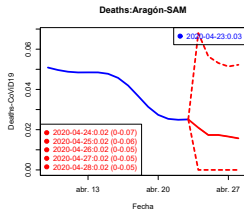
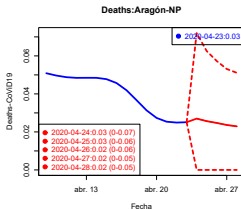
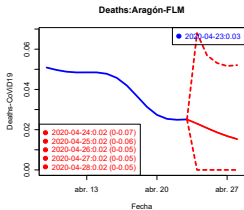
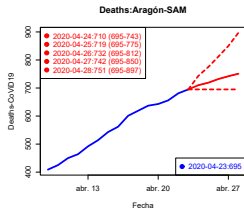
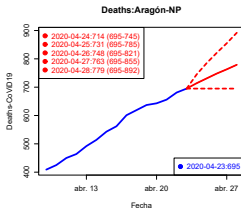
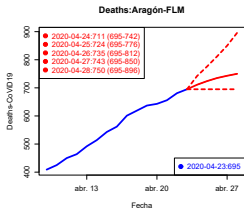


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Aragón

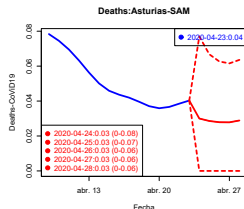
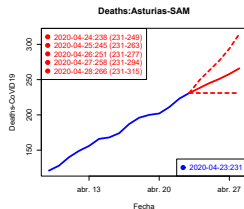


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

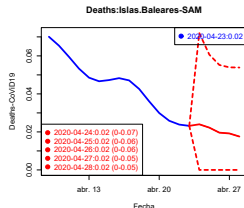
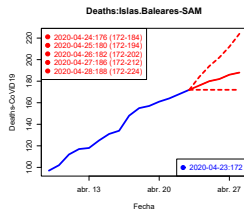
◀ Confirmados

◀ Fallecidos

○○



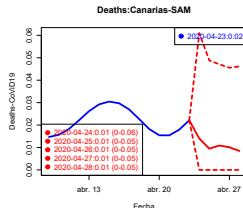
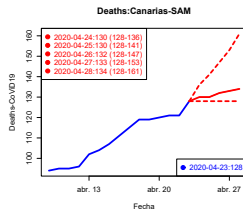
◀ Confirmados ◀ Fallecidos

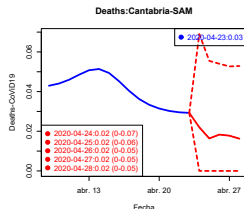
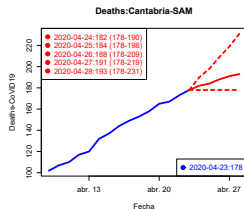


◀ Confirmados ▶ Fallecidos

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

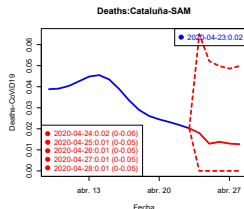
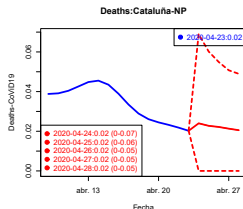
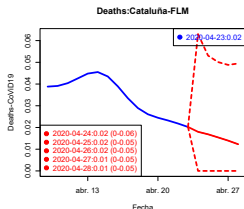
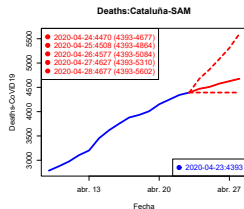
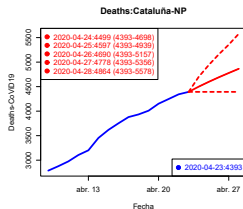
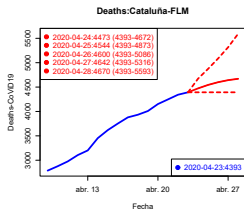
◀ Fallecidos





◀ Confirmados ◀ Fallecidos

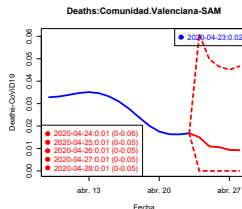
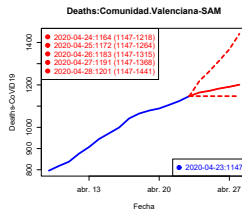
Fallecidos: Cataluña



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

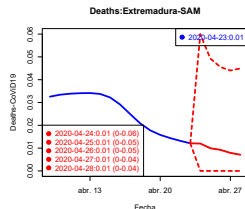
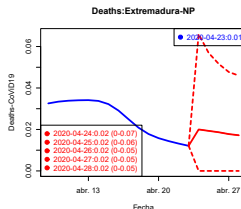
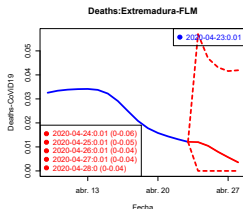
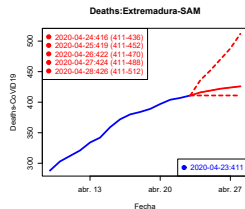
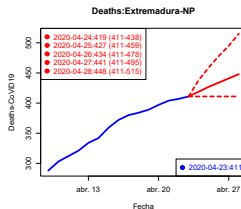
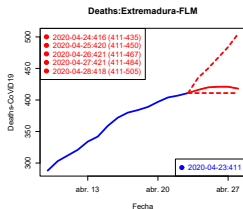
◀ Confirmados

◀ Fallecidos



◀ Confirmados ◀ Fallecidos

Fallecidos: Extremadura

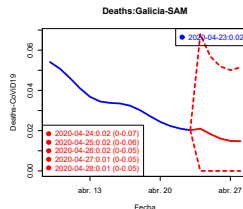
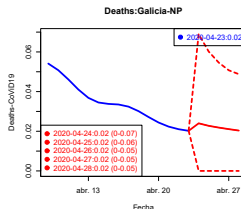
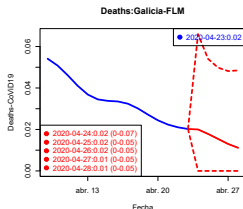
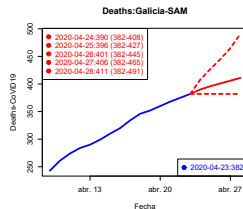
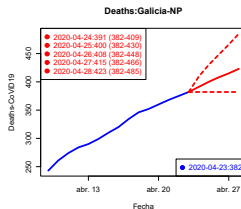
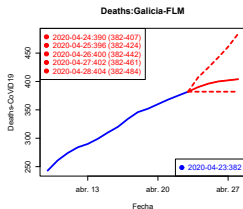


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Galicia

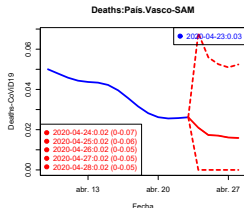
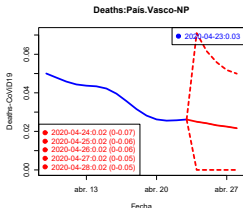
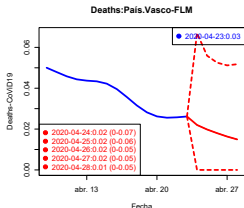
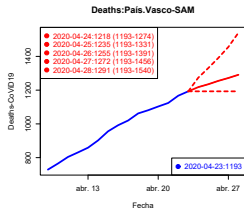
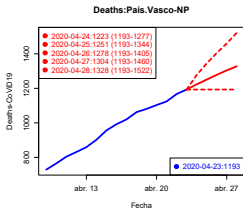
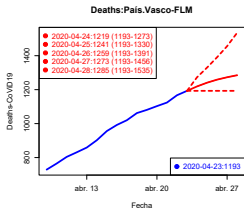


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: País Vasco

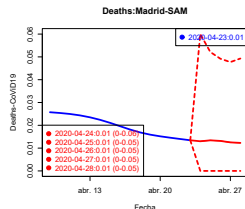
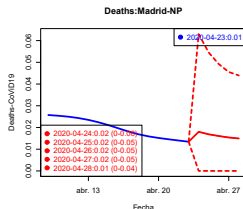
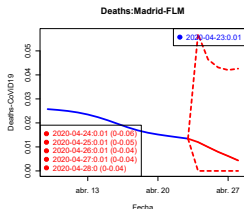
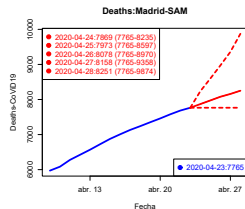
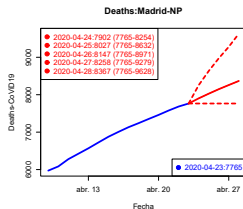
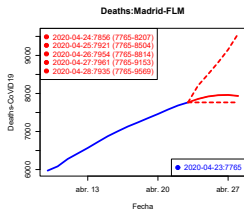


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

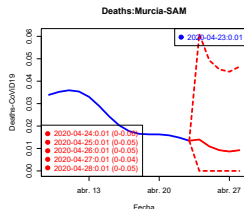
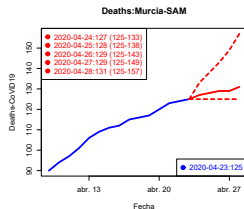
Fallecidos: Madrid



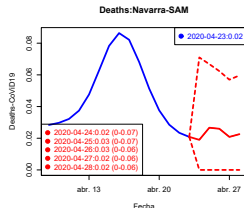
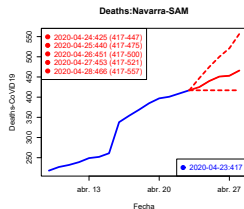
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

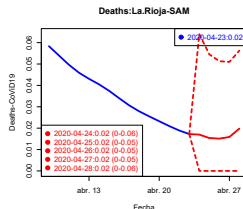
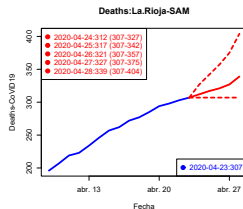
◀ Fallecidos



◀ 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.