

Predicciones sobre CoViD-19

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DEPARTAMENTO DE ESTATÍSTICA,
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- Predicciones

- Predicciones Fallecidos

Datos

Número de datos funcionales: 4478

Países/Regiones distintos incorporados: 167

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

	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	0.437	0.876	0.447
H2	0.011	0.003	0.01	0.008	0.002	0.008	0.579	0.905	0.597
H3	0.022	0.006	0.021	0.02	0.005	0.019	0.629	0.918	0.647
H4	0.047	0.013	0.044	0.041	0.009	0.039	0.625	0.917	0.647
H5	0.087	0.023	0.08	0.08	0.016	0.073	0.614	0.917	0.641

Último dato: 2020-04-22 21:00 que se publica 2020-04-23 12:00.

Tabla Previsión Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	213024	214590	216680	218175	219194	220135
Andalucía	11845	12030	12234	12433	12633	12837
Aragón	5237	5352	5482	5613	5748	5887
Asturias	2453	2496	2541	2584	2627	2672
Islas.Baleares	1861	1892	1926	1960	1994	2028
Canarias	2113	2134	2154	2172	2189	2205
Cantabria	2206	2254	2308	2364	2423	2484
Castilla.La.Mancha	17557	17859	18175	18471	18753	19034
Castilla.y.León	17402	17870	18386	18913	19464	20038
Cataluña	44892	45852	46898	47976	49089	50252
Ceuta	118	121	124	127	130	134
Comunidad.Valenciana	10692	10888	11096	11309	11535	11764
Extremadura	3260	3308	3361	3406	3443	3479
Galicia	8805	8960	9127	9297	9476	9660
Madrid	60487	61609	62818	64067	65341	66681
Melilla	106	107	108	108	109	109
Murcia	1721	1746	1773	1799	1823	1848
Navarra	4994	5093	5200	5309	5421	5538
País.Vasco	13436	13689	13975	14257	14543	14838
La.Rioja	3839	3886	3936	3981	4021	4062

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

Tabla Previsión Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	213024	216954	221223	225685	230818	236766
Andalucía	11845	11957	12074	12190	12322	12466
Aragón	5237	5326	5420	5517	5626	5750
Asturias	2453	2491	2529	2568	2613	2663
Islas.Baleares	1861	1881	1903	1924	1948	1975
Canarias	2113	2121	2128	2136	2144	2152
Cantabria	2206	2249	2297	2348	2407	2477
Castilla.La.Mancha	17557	17848	18146	18448	18769	19139
Castilla.y.León	17402	17761	18112	18467	18834	19235
Cataluña	44892	45861	46925	48061	49352	50865
Ceuta	118	120	123	125	129	132
Comunidad.Valenciana	10692	10831	10975	11127	11298	11489
Extremadura	3260	3309	3358	3408	3459	3517
Galicia	8805	8905	9011	9120	9246	9384
Madrid	60487	61803	63304	64909	66831	69117
Melilla	106	106	107	107	107	107
Murcia	1721	1735	1749	1763	1779	1796
Navarra	4994	5076	5162	5253	5355	5471
País.Vasco	13436	13636	13845	14060	14304	14580
La.Rioja	3839	3871	3903	3934	3970	4007

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

Tabla Previsión Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	213024	217338	221796	226064	231088	235727
Andalucía	11845	12019	12198	12363	12557	12743
Aragón	5237	5347	5463	5569	5689	5795
Asturias	2453	2494	2532	2565	2609	2643
Islas.Baleares	1861	1886	1911	1933	1967	1998
Canarias	2113	2131	2149	2166	2186	2211
Cantabria	2206	2248	2297	2346	2403	2470
Castilla.La.Mancha	17557	17805	18063	18259	18559	18825
Castilla.y.León	17402	17876	18379	18842	19384	19833
Cataluña	44892	45929	47028	48116	49353	50566
Ceuta	118	120	123	126	129	133
Comunidad.Valenciana	10692	10898	11143	11385	11649	11936
Extremadura	3260	3298	3335	3365	3398	3428
Galicia	8805	8963	9136	9309	9496	9694
Madrid	60487	61853	63277	64758	66575	68304
Melilla	106	107	107	108	109	109
Murcia	1721	1742	1762	1775	1794	1806
Navarra	4994	5091	5193	5291	5398	5501
País.Vasco	13436	13683	13944	14185	14453	14701
La.Rioja	3839	3881	3920	3956	3996	4033

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	0.021	0.007	0.017	0.024	0.029	0.033
Andalucía	0.015	0.016	0.033	0.050	0.066	0.084
Aragón	0.023	0.022	0.047	0.072	0.098	0.124
Asturias	0.016	0.017	0.036	0.054	0.071	0.089
Islas.Baleares	0.014	0.017	0.035	0.053	0.071	0.090
Canarias	0.008	0.010	0.019	0.028	0.036	0.044
Cantabria	0.020	0.022	0.046	0.072	0.098	0.126
Castilla.La.Mancha	0.015	0.017	0.035	0.052	0.068	0.084
Castilla.y.León	0.030	0.027	0.057	0.087	0.118	0.151
Cataluña	0.024	0.021	0.045	0.069	0.093	0.119
Ceuta	0.022	0.023	0.049	0.076	0.104	0.134
Comunidad.Valenciana	0.021	0.018	0.038	0.058	0.079	0.100
Extremadura	0.010	0.015	0.031	0.045	0.056	0.067
Galicia	0.019	0.018	0.037	0.056	0.076	0.097
Madrid	0.023	0.019	0.039	0.059	0.080	0.102
Melilla	0.005	0.008	0.016	0.022	0.027	0.031
Murcia	0.012	0.014	0.030	0.045	0.059	0.073
Navarra	0.020	0.020	0.041	0.063	0.086	0.109
País.Vasco	0.020	0.019	0.040	0.061	0.082	0.104
La.Rioja	0.010	0.012	0.025	0.037	0.047	0.058

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	0.021	0.018	0.038	0.059	0.084	0.111
Andalucía	0.015	0.009	0.019	0.029	0.040	0.052
Aragón	0.023	0.017	0.035	0.053	0.074	0.098
Asturias	0.016	0.015	0.031	0.047	0.065	0.085
Islas.Baleares	0.014	0.011	0.023	0.034	0.047	0.061
Canarias	0.008	0.004	0.007	0.011	0.015	0.018
Cantabria	0.020	0.019	0.041	0.064	0.091	0.123
Castilla.La.Mancha	0.015	0.017	0.034	0.051	0.069	0.090
Castilla.y.León	0.030	0.021	0.041	0.061	0.082	0.105
Cataluña	0.024	0.022	0.045	0.071	0.099	0.133
Ceuta	0.022	0.019	0.041	0.063	0.089	0.120
Comunidad.Valenciana	0.021	0.013	0.026	0.041	0.057	0.075
Extremadura	0.010	0.015	0.030	0.045	0.061	0.079
Galicia	0.019	0.011	0.023	0.036	0.050	0.066
Madrid	0.023	0.022	0.047	0.073	0.105	0.143
Melilla	0.005	0.002	0.005	0.008	0.010	0.013
Murcia	0.012	0.008	0.017	0.025	0.034	0.043
Navarra	0.020	0.016	0.034	0.052	0.072	0.096
País.Vasco	0.020	0.015	0.030	0.046	0.065	0.085
La.Rioja	0.010	0.008	0.017	0.025	0.034	0.044

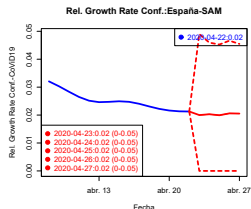
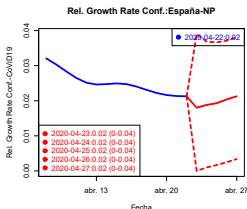
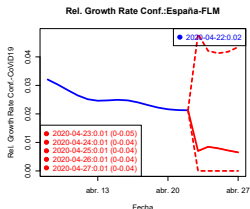
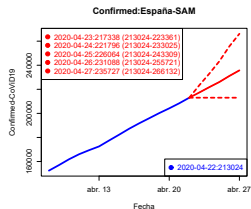
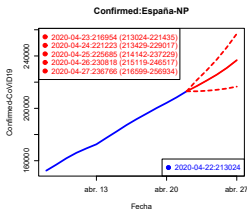
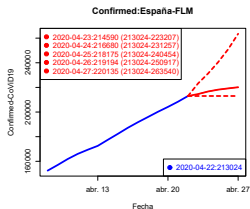
Table: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
– 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.021	0.020	0.041	0.061	0.085	0.107
Andalucía	0.015	0.015	0.030	0.044	0.060	0.076
Aragón	0.023	0.021	0.043	0.063	0.086	0.107
Asturias	0.016	0.017	0.032	0.046	0.064	0.077
Islas.Baleares	0.014	0.013	0.027	0.039	0.057	0.074
Canarias	0.008	0.008	0.017	0.025	0.035	0.046
Cantabria	0.020	0.019	0.041	0.063	0.089	0.120
Castilla.La.Mancha	0.015	0.014	0.029	0.040	0.057	0.072
Castilla.y.León	0.030	0.027	0.056	0.083	0.114	0.140
Cataluña	0.024	0.023	0.048	0.072	0.099	0.126
Ceuta	0.022	0.020	0.044	0.068	0.095	0.126
Comunidad.Valenciana	0.021	0.019	0.042	0.065	0.089	0.116
Extremadura	0.010	0.012	0.023	0.032	0.042	0.052
Galicia	0.019	0.018	0.038	0.057	0.078	0.101
Madrid	0.023	0.023	0.046	0.071	0.101	0.129
Melilla	0.005	0.006	0.012	0.017	0.024	0.029
Murcia	0.012	0.012	0.024	0.032	0.042	0.050
Navarra	0.020	0.019	0.040	0.060	0.081	0.101
País.Vasco	0.020	0.018	0.038	0.056	0.076	0.094
La.Rioja	0.010	0.011	0.021	0.030	0.041	0.050

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

Confirmados: España

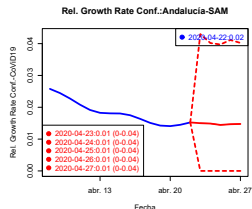
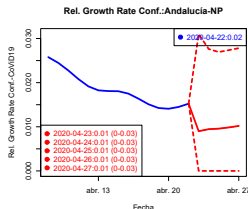
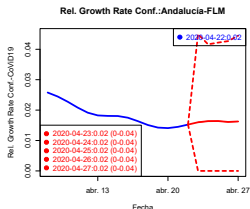
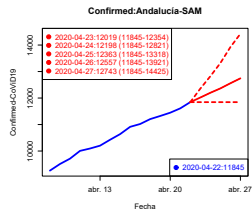
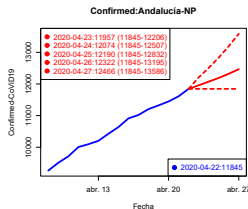
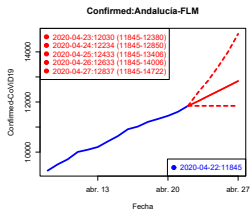


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Andalucía

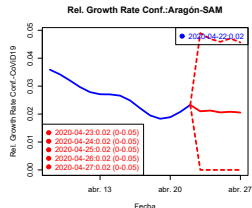
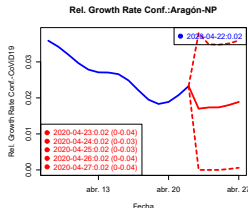
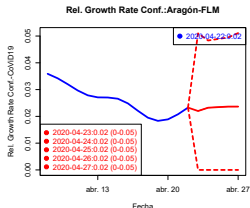
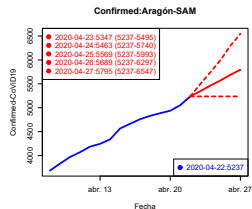
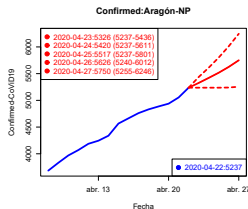
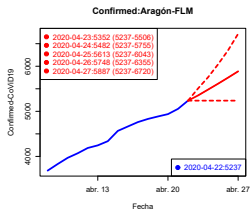


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

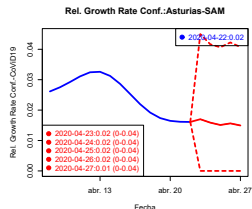
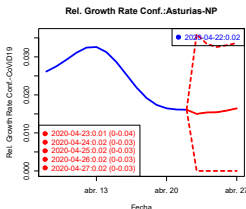
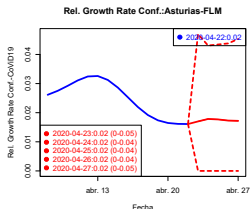
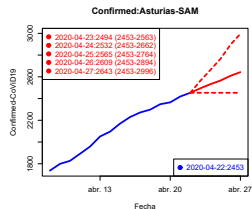
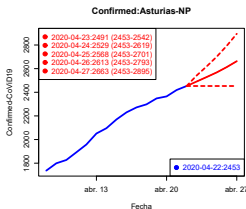
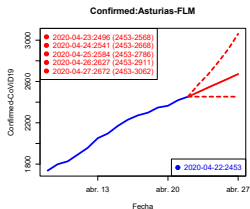
◀ Fallecidos

Confirmados: Aragón



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

Confirmados: Asturias

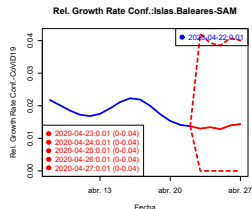
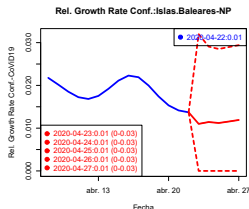
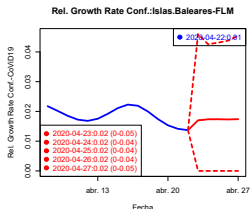
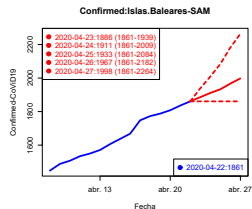
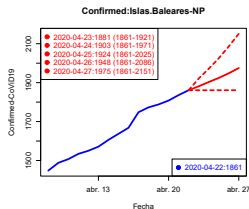
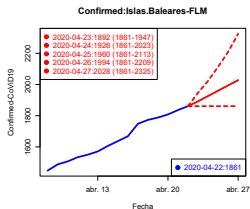


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Islas Baleares

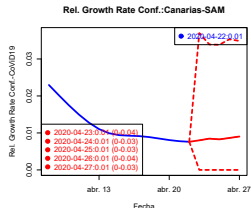
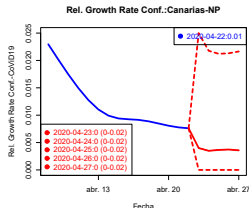
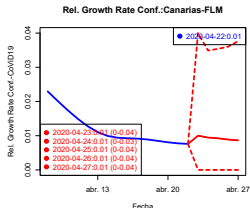
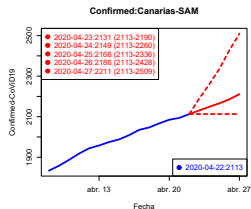
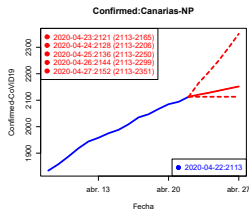
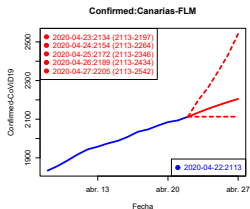


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

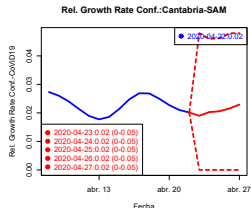
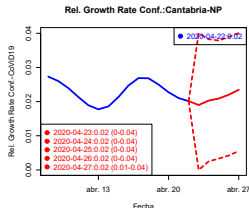
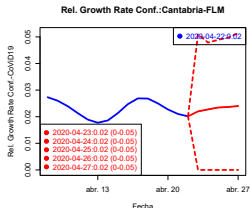
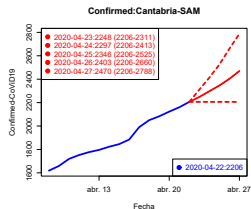
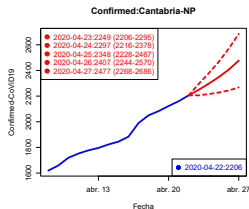
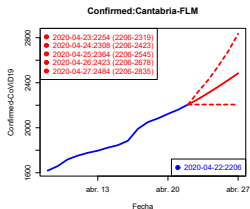
◀ Fallecidos

Confirmados: Canarias



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

Confirmados: Cantabria

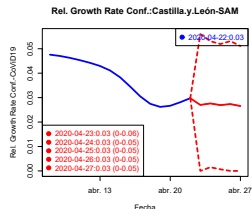
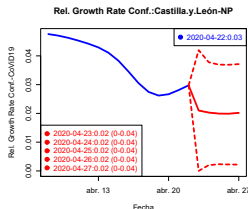
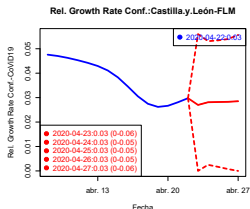
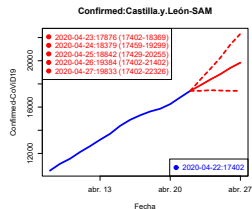
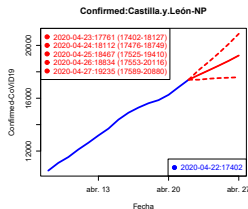
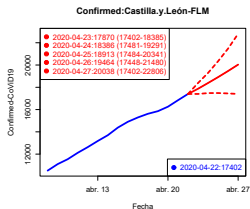


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla y León

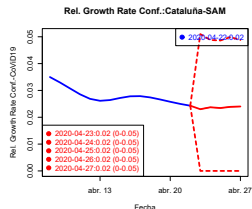
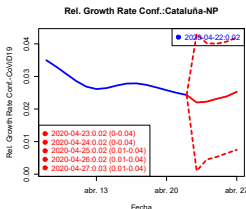
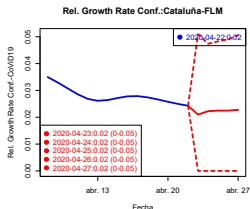
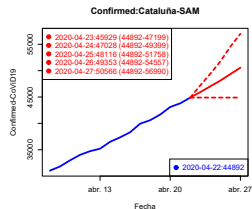
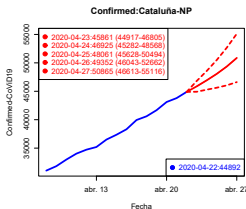
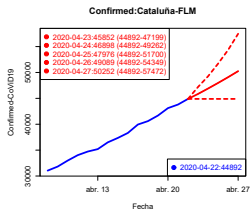


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cataluña

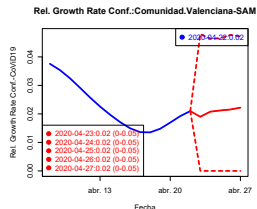
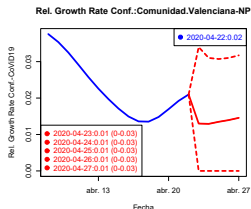
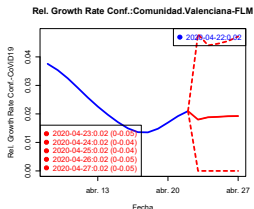
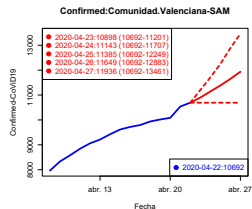
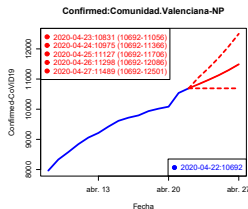
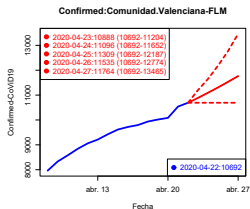


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: C. Valenciana

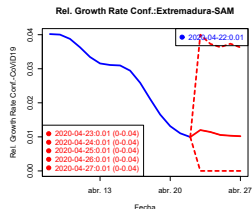
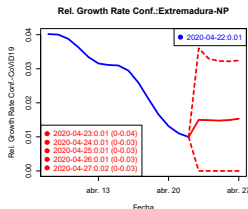
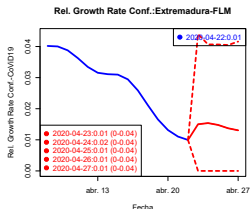
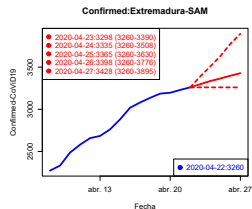
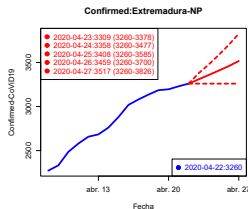
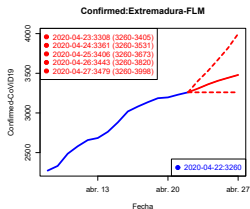


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Extremadura

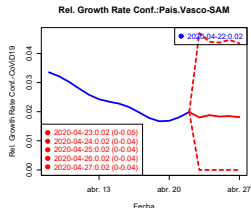
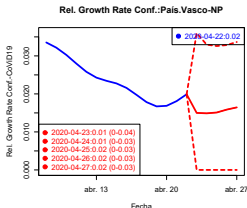
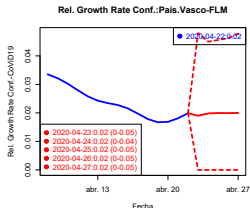
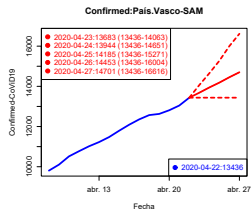
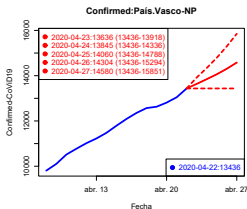
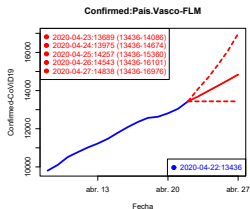


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: País Vasco

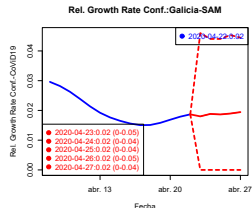
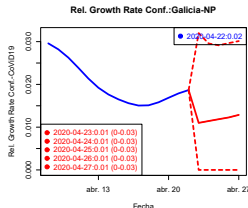
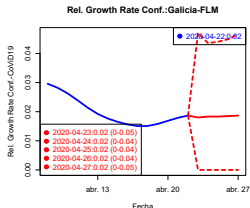
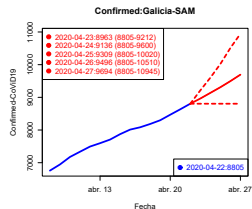
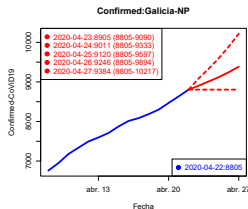
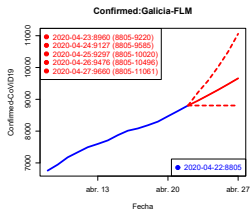


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia

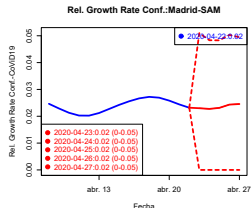
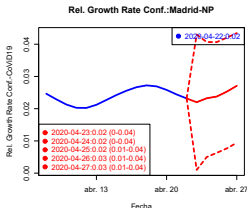
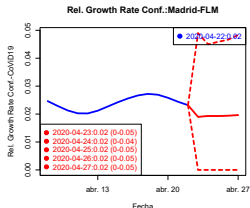
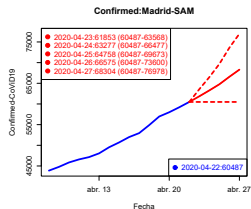
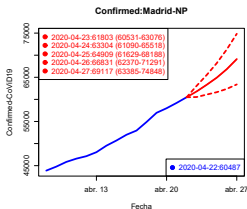
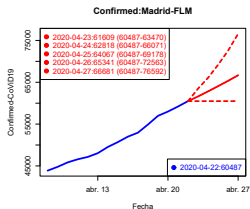


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid

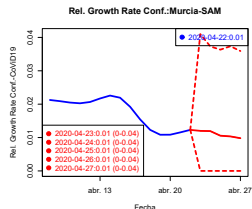
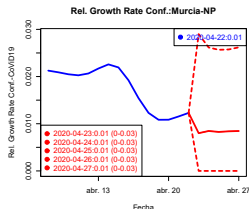
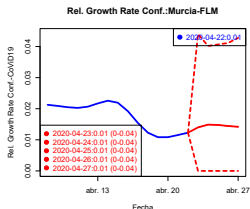
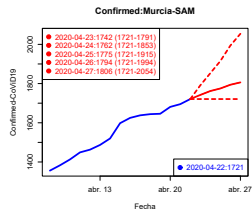
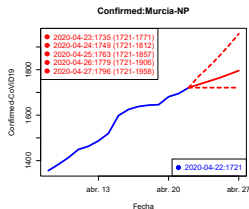
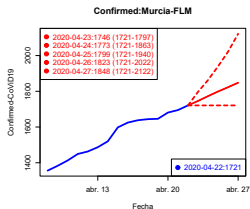


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

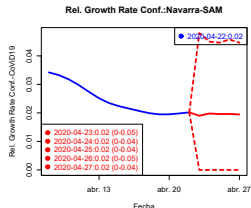
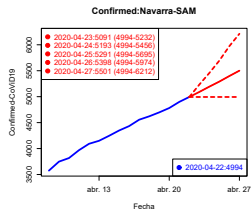
◀ Confirmados

◀ Fallecidos

Confirmados: Murcia

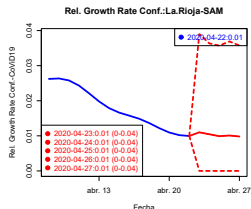
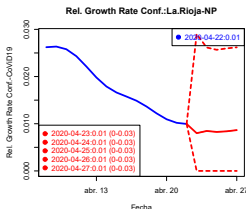
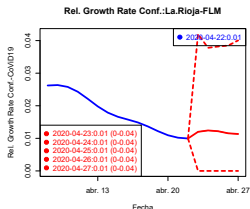
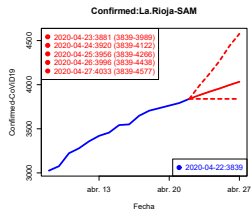
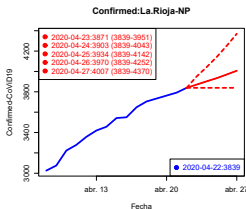
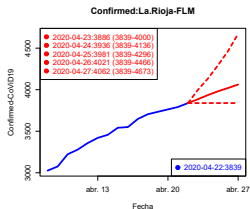


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.



◀ Confirmados ▶ Fallecidos

Confirmados: La Rioja



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

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 - Predicciones Fallecidos

Modelos para fallecidos por CoViD-19

Número de datos funcionales: 5822

Países/Regiones distintos incorporados: 93

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	0.446	0.585	0.479
H2	0.01	0.006	0.008	0.006	0.005	0.006	0.545	0.73	0.608
H3	0.02	0.011	0.016	0.014	0.01	0.014	0.614	0.794	0.683
H4	0.037	0.019	0.028	0.025	0.015	0.025	0.646	0.821	0.728
H5	0.074	0.034	0.053	0.042	0.022	0.039	0.628	0.833	0.732

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	22157	22580	22922	23156	23324	23414
Andalucía	1079	1101	1118	1128	1132	1130
Aragón	681	700	715	726	734	741
Asturias	223	230	236	241	246	250
Islas.Baleares	168	173	177	180	183	186
Canarias	121	123	124	125	125	124
Cantabria	173	178	182	186	189	193
Castilla.La.Mancha	2188	2236	2280	2314	2343	2363
Castilla.y.León	1582	1609	1631	1646	1656	1661
Cataluña	4343	4443	4527	4589	4638	4674
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1124	1144	1158	1166	1169	1168
Extremadura	407	413	418	420	420	419
Galicia	375	384	390	395	398	399
Madrid	7684	7789	7867	7905	7921	7904
Melilla	2	2	2	2	2	2
Murcia	124	126	127	128	128	127
Navarra	409	428	444	458	473	492
País.Vasco	1167	1196	1219	1237	1250	1260
La.Rioja	303	309	314	318	320	321

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

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	22157	22683	23154	23580	23995	24376
Andalucía	1079	1109	1137	1163	1187	1210
Aragón	681	702	721	738	755	772
Asturias	223	231	238	244	251	257
Islas.Baleares	168	173	178	182	186	190
Canarias	121	123	125	127	129	130
Cantabria	173	178	183	187	191	195
Castilla.La.Mancha	2188	2248	2301	2351	2399	2443
Castilla.y.León	1582	1618	1651	1680	1708	1734
Cataluña	4343	4462	4569	4667	4762	4851
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1124	1150	1173	1194	1215	1233
Extremadura	407	416	424	431	439	445
Galicia	375	385	395	403	412	419
Madrid	7684	7830	7961	8078	8193	8298
Melilla	2	2	2	2	2	2
Murcia	124	127	129	131	133	135
Navarra	409	422	434	446	457	468
País.Vasco	1167	1200	1231	1259	1286	1311
La.Rioja	303	311	319	325	332	338

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

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	22157	22610	23027	23351	23651	23952
Andalucía	1079	1102	1122	1134	1148	1166
Aragón	681	699	716	730	744	757
Asturias	223	230	236	242	249	257
Islas.Baleares	168	172	176	180	183	185
Canarias	121	123	124	126	126	126
Cantabria	173	177	181	185	189	191
Castilla.La.Mancha	2188	2244	2288	2323	2359	2392
Castilla.y.León	1582	1616	1650	1673	1696	1731
Cataluña	4343	4440	4527	4608	4679	4738
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1124	1144	1162	1174	1184	1196
Extremadura	407	414	420	424	427	427
Galicia	375	384	392	398	404	411
Madrid	7684	7811	7943	8050	8147	8251
Melilla	2	2	2	2	2	2
Murcia	124	126	127	128	129	131
Navarra	409	427	445	454	464	487
País.Vasco	1167	1196	1223	1243	1264	1285
La.Rioja	303	310	314	318	322	325

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

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.021	0.019	0.035	0.045	0.053	0.057
Andalucía	0.023	0.020	0.036	0.045	0.049	0.047
Aragón	0.026	0.027	0.049	0.065	0.078	0.087
Asturias	0.039	0.029	0.057	0.080	0.101	0.119
Islas.Baleares	0.024	0.028	0.052	0.072	0.090	0.105
Canarias	0.006	0.015	0.025	0.029	0.030	0.028
Cantabria	0.030	0.027	0.052	0.074	0.094	0.112
Castilla.La.Mancha	0.027	0.022	0.042	0.058	0.071	0.080
Castilla.y.León	0.020	0.017	0.031	0.040	0.047	0.050
Cataluña	0.025	0.023	0.042	0.057	0.068	0.076
Ceuta	0.000	0.001	0.000	0.000	0.000	0.000
Comunidad.Valenciana	0.015	0.018	0.030	0.037	0.040	0.040
Extremadura	0.014	0.015	0.027	0.032	0.033	0.030
Galicia	0.022	0.023	0.040	0.052	0.060	0.064
Madrid	0.015	0.014	0.024	0.029	0.031	0.029
Melilla	0.000	0.002	0.000	0.000	0.000	0.000
Murcia	0.017	0.013	0.023	0.029	0.031	0.027
Navarra	0.025	0.047	0.085	0.120	0.157	0.201
País.Vasco	0.027	0.025	0.045	0.060	0.071	0.079
La.Rioja	0.021	0.020	0.037	0.049	0.057	0.061

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	0.021	0.024	0.045	0.064	0.083	0.100
Andalucía	0.023	0.028	0.054	0.077	0.100	0.121
Aragón	0.026	0.030	0.058	0.084	0.109	0.133
Asturias	0.039	0.034	0.065	0.094	0.123	0.150
Islas.Baleares	0.024	0.030	0.058	0.084	0.109	0.132
Canarias	0.006	0.018	0.034	0.049	0.063	0.076
Cantabria	0.030	0.029	0.056	0.080	0.104	0.127
Castilla.La.Mancha	0.027	0.027	0.052	0.074	0.096	0.116
Castilla.y.León	0.020	0.023	0.043	0.062	0.080	0.096
Cataluña	0.025	0.027	0.052	0.075	0.097	0.117
Ceuta	0.000	0.014	0.027	0.039	0.051	0.063
Comunidad.Valenciana	0.015	0.023	0.044	0.062	0.081	0.097
Extremadura	0.014	0.022	0.042	0.060	0.077	0.093
Galicia	0.022	0.028	0.052	0.075	0.098	0.118
Madrid	0.015	0.019	0.036	0.051	0.066	0.080
Melilla	0.000	0.014	0.027	0.039	0.051	0.063
Murcia	0.017	0.021	0.040	0.057	0.074	0.089
Navarra	0.025	0.032	0.062	0.090	0.117	0.143
País.Vasco	0.027	0.029	0.055	0.079	0.102	0.124
La.Rioja	0.021	0.027	0.051	0.074	0.095	0.115

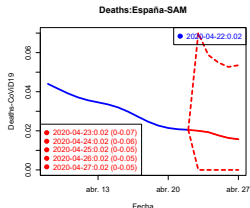
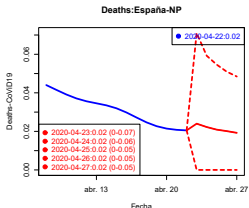
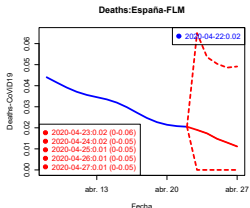
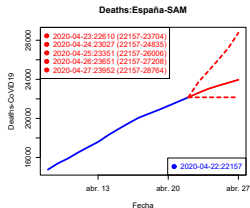
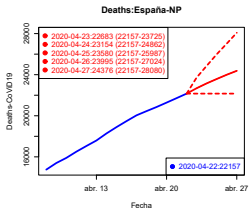
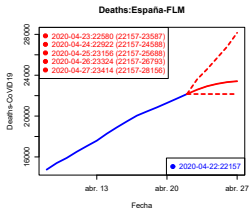
Table: Previsión Ratio Incr. Fallecidos: Mod. No Paramétrico - Horizonte 1 – 5 días.

Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.021	0.020	0.039	0.054	0.067	0.081
Andalucía	0.023	0.021	0.040	0.051	0.064	0.081
Aragón	0.026	0.027	0.052	0.072	0.093	0.112
Asturias	0.039	0.032	0.059	0.086	0.117	0.152
Islas.Baleares	0.024	0.026	0.047	0.070	0.091	0.103
Canarias	0.006	0.013	0.024	0.038	0.044	0.042
Cantabria	0.030	0.024	0.045	0.070	0.091	0.103
Castilla.La.Mancha	0.027	0.026	0.046	0.062	0.078	0.093
Castilla.y.León	0.020	0.022	0.043	0.058	0.072	0.094
Cataluña	0.025	0.022	0.042	0.061	0.077	0.091
Ceuta	0.000	0.007	0.027	0.045	0.061	0.076
Comunidad.Valenciana	0.015	0.018	0.034	0.045	0.053	0.064
Extremadura	0.014	0.016	0.031	0.041	0.048	0.049
Galicia	0.022	0.024	0.046	0.060	0.076	0.097
Madrid	0.015	0.017	0.034	0.048	0.060	0.074
Melilla	0.000	0.008	0.024	0.039	0.053	0.067
Murcia	0.017	0.018	0.026	0.035	0.043	0.053
Navarra	0.025	0.044	0.087	0.111	0.133	0.189
País.Vasco	0.027	0.025	0.048	0.065	0.083	0.101
La.Rioja	0.021	0.021	0.037	0.049	0.062	0.074

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

Fallecidos: España

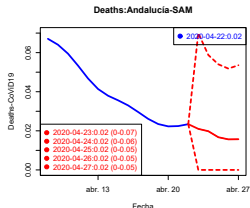
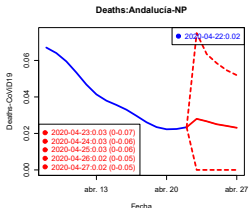
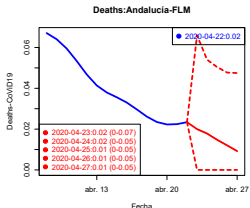
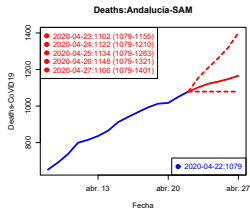
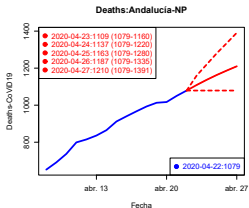
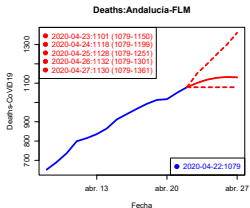


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Andalucía

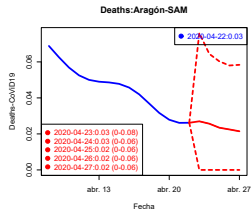
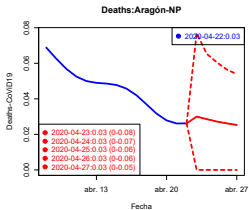
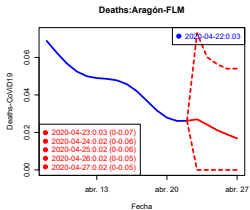
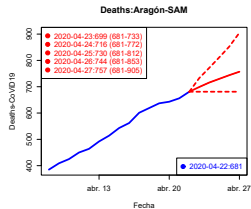
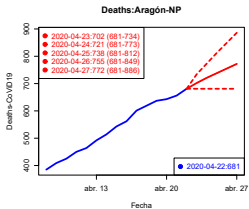
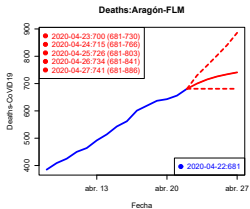


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

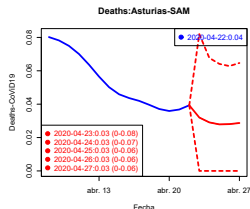
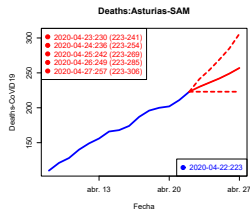
◀ Confirmados

◀ Fallecidos

Fallecidos: Aragón

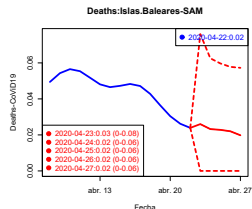
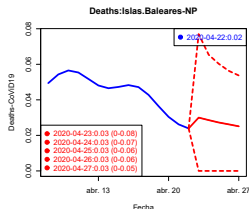
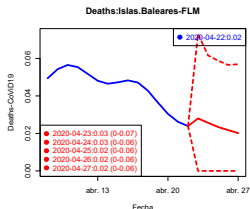
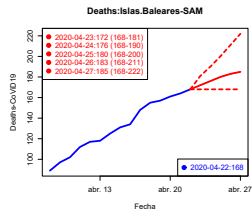
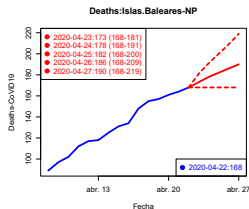
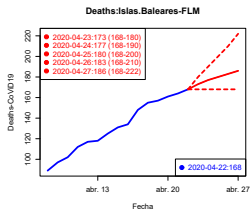


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.



◀ Confirmados ◀ Fallecidos

Fallecidos: Islas Baleares

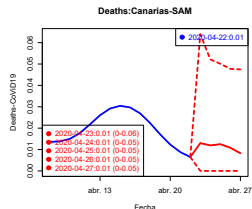
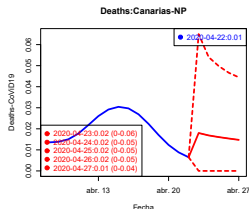
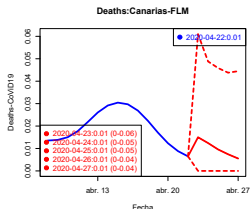
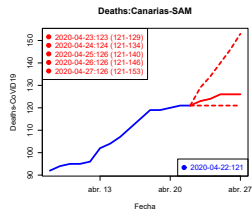
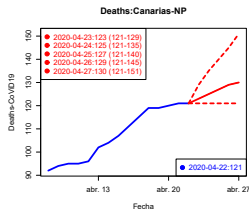
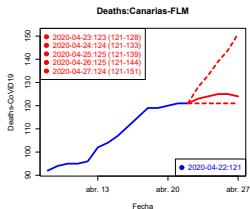


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Canarias

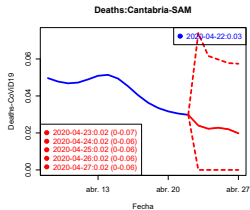
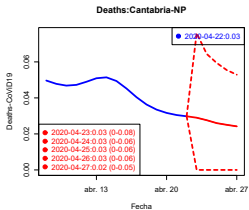
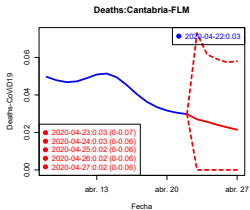
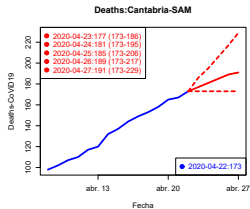
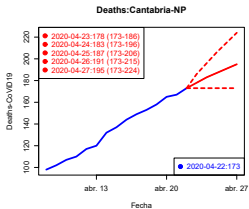
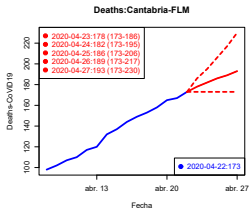


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Cantabria

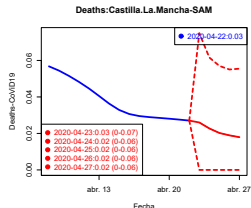
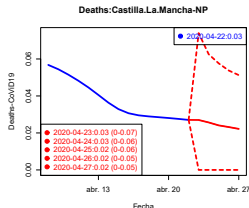
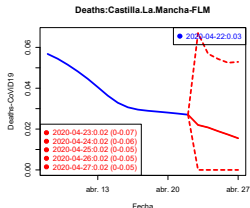
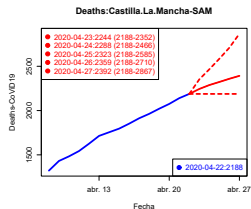
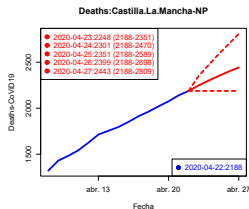
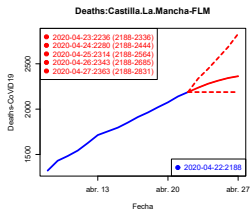


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Castilla-La Mancha

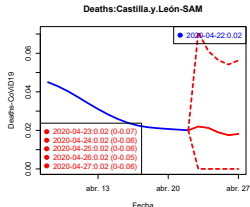
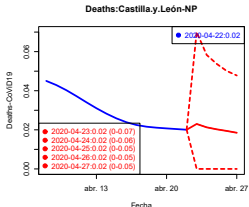
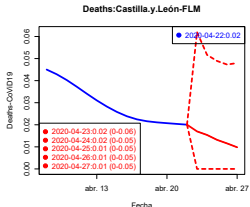
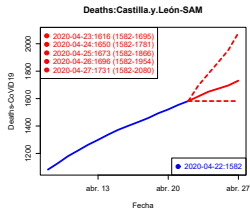
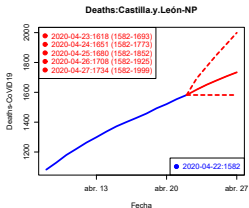
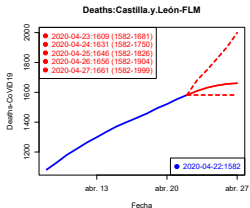


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Castilla y León

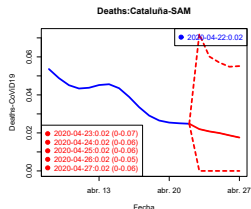
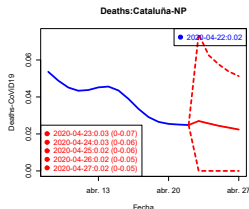
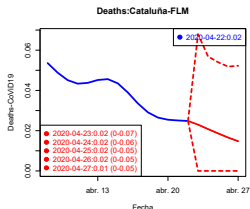
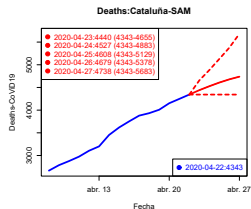
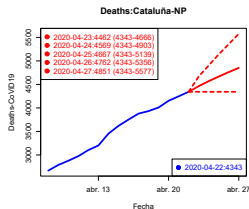
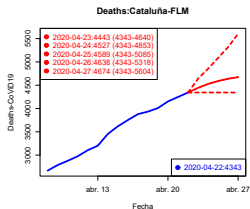


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Cataluña

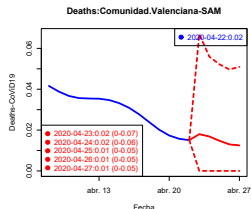
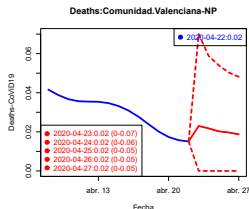
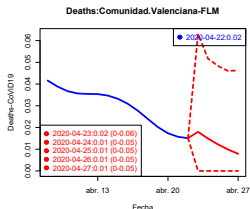
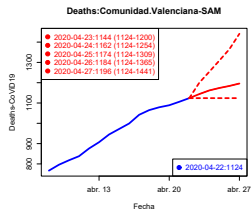
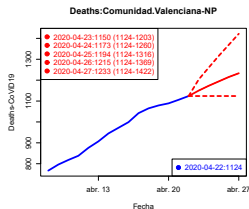
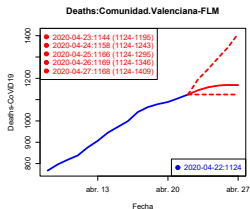


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: C. Valenciana

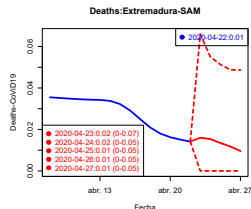
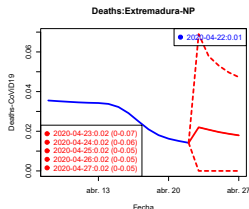
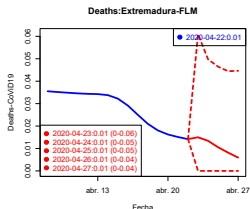
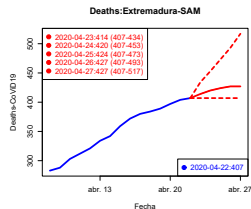
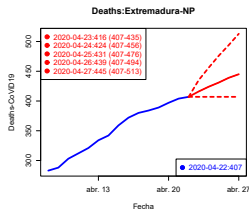
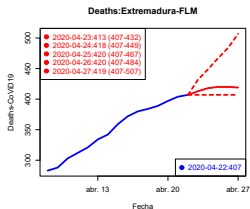


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Extremadura

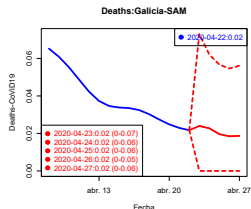
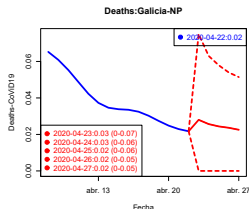
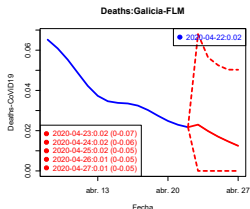
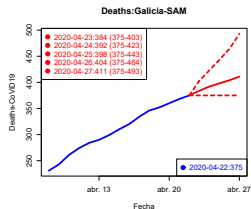
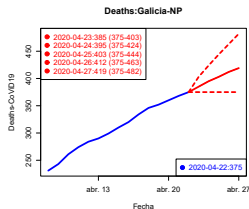
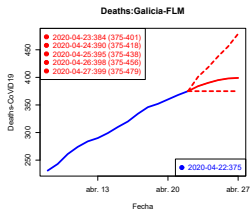


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

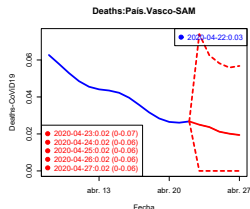
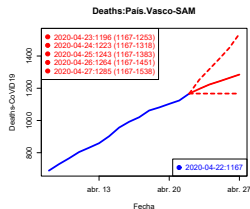
Fallecidos: Galicia



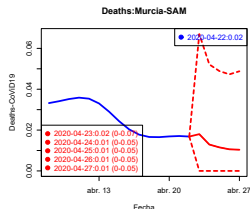
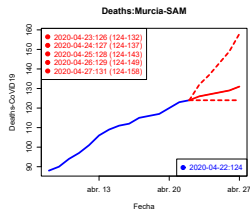
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

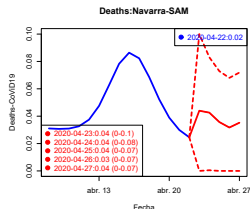
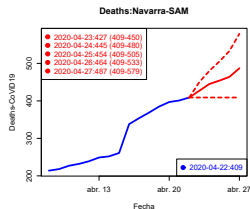
◀ Fallecidos



◀ Confirmados

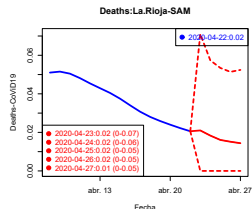
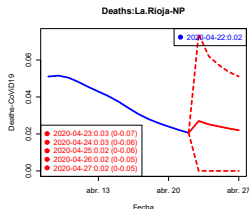
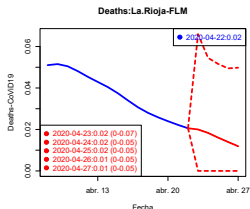
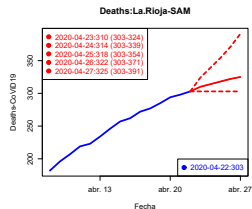
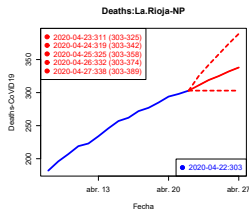
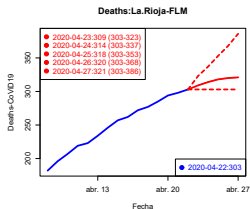


◀ Confirmados ▶ Fallecidos



◀ Confirmados ▶ Fallecidos

Fallecidos: La Rioja



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

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.