

Predicciones sobre CoViD-19

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DEPARTAMENTO DE ESTATÍSTICA,
ANÁLISE MATEMÁTICA E OPTIMIZACIÓN



- Predicciones

- Predicciones Fallecidos

Datos

Número de datos funcionales: 4850

Países/Regiones distintos incorporados: 169

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	0.002	0.001	0.003	0.442	0.872	0.452
H2	0.01	0.003	0.01	0.008	0.002	0.008	0.584	0.902	0.6
H3	0.021	0.006	0.02	0.018	0.005	0.018	0.632	0.915	0.65
H4	0.044	0.013	0.041	0.037	0.009	0.037	0.627	0.914	0.648
H5	0.082	0.023	0.077	0.069	0.016	0.065	0.613	0.912	0.638

Último dato: 2020-04-24 21:00 que se publica 2020-04-25 12:00.

Tabla Previsión Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	223759	225750	228119	230280	232081	233716
Andalucía	12824	13136	13488	13879	14321	14786
Aragón	5382	5481	5576	5678	5789	5906
Asturias	2546	2589	2635	2681	2728	2778
Islas.Baleares	1907	1935	1965	1994	2024	2055
Canarias	2155	2178	2201	2224	2246	2269
Cantabria	2315	2368	2426	2487	2552	2621
Castilla.La.Mancha	18525	18887	19271	19676	20110	20572
Castilla.y.León	18259	18701	19152	19631	20151	20704
Cataluña	47288	48301	49373	50500	51692	52936
Ceuta	125	128	131	135	139	143
Comunidad.Valenciana	11123	11326	11528	11748	11993	12250
Extremadura	3458	3524	3589	3656	3729	3803
Galicia	9116	9274	9435	9605	9789	9982
Madrid	62510	63542	64649	65757	66848	67988
Melilla	118	121	125	129	134	139
Murcia	1756	1777	1794	1812	1830	1850
Navarra	5274	5392	5520	5657	5807	5965
País.Vasco	14132	14429	14741	15079	15454	15847
La.Rioja	4946	5248	5611	6040	6547	7086

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

Tabla Previsión Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	223759	227575	231758	236399	241946	248127
Andalucía	12824	13003	13201	13425	13688	13981
Aragón	5382	5459	5542	5633	5742	5859
Asturias	2546	2581	2617	2658	2705	2755
Islas.Baleares	1907	1923	1940	1957	1977	1997
Canarias	2155	2162	2169	2176	2183	2190
Cantabria	2315	2355	2398	2446	2502	2565
Castilla.La.Mancha	18525	18798	19089	19408	19792	20207
Castilla.y.León	18259	18621	18985	19380	19810	20291
Cataluña	47288	48236	49265	50420	51787	53350
Ceuta	125	127	130	133	136	140
Comunidad.Valenciana	11123	11251	11391	11543	11724	11915
Extremadura	3458	3509	3561	3618	3685	3757
Galicia	9116	9207	9305	9409	9531	9658
Madrid	62510	63571	64736	65994	67487	69146
Melilla	118	119	120	121	122	123
Murcia	1756	1768	1781	1794	1809	1824
Navarra	5274	5360	5456	5562	5689	5831
País.Vasco	14132	14341	14569	14823	15127	15459
La.Rioja	4946	5260	5773	6273	7010	7740

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

Tabla Previsión Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	223759	228592	233386	238102	243670	248894
Andalucía	12824	13169	13566	14005	14480	15067
Aragón	5382	5483	5575	5662	5774	5878
Asturias	2546	2589	2633	2674	2729	2781
Islas.Baleares	1907	1931	1952	1969	1992	2005
Canarias	2155	2175	2194	2212	2234	2258
Cantabria	2315	2362	2412	2457	2511	2566
Castilla.La.Mancha	18525	18896	19253	19572	19956	20255
Castilla.y.León	18259	18719	19190	19639	20209	20760
Cataluña	47288	48377	49460	50513	51774	52968
Ceuta	125	128	131	134	137	141
Comunidad.Valenciana	11123	11343	11570	11822	12115	12485
Extremadura	3458	3523	3592	3649	3712	3772
Galicia	9116	9273	9434	9603	9796	10023
Madrid	62510	63631	64672	65671	67033	68312
Melilla	118	122	126	131	136	144
Murcia	1756	1777	1793	1807	1830	1849
Navarra	5274	5393	5520	5650	5795	5951
País.Vasco	14132	14447	14780	15111	15483	15888
La.Rioja	4946	5305	5723	6254	6829	7485

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	0.023	0.009	0.019	0.029	0.037	0.044
Andalucía	0.031	0.024	0.052	0.082	0.117	0.153
Aragón	0.019	0.018	0.036	0.055	0.076	0.097
Asturias	0.018	0.017	0.035	0.053	0.071	0.091
Islas.Baleares	0.013	0.015	0.030	0.046	0.061	0.078
Canarias	0.009	0.011	0.021	0.032	0.042	0.053
Cantabria	0.022	0.023	0.048	0.074	0.102	0.132
Castilla.La.Mancha	0.022	0.020	0.040	0.062	0.086	0.110
Castilla.y.León	0.027	0.024	0.049	0.075	0.104	0.134
Cataluña	0.025	0.021	0.044	0.068	0.093	0.119
Ceuta	0.024	0.024	0.050	0.079	0.111	0.145
Comunidad.Valenciana	0.021	0.018	0.036	0.056	0.078	0.101
Extremadura	0.022	0.019	0.038	0.057	0.078	0.100
Galicia	0.018	0.017	0.035	0.054	0.074	0.095
Madrid	0.018	0.017	0.034	0.052	0.069	0.088
Melilla	0.035	0.026	0.057	0.091	0.132	0.175
Murcia	0.011	0.012	0.022	0.032	0.042	0.053
Navarra	0.025	0.022	0.047	0.073	0.101	0.131
País.Vasco	0.025	0.021	0.043	0.067	0.094	0.121
La.Rioja	0.087	0.061	0.135	0.221	0.324	0.433

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	0.023	0.017	0.036	0.056	0.081	0.109
Andalucía	0.031	0.014	0.029	0.047	0.067	0.090
Aragón	0.019	0.014	0.030	0.047	0.067	0.089
Asturias	0.018	0.014	0.028	0.044	0.062	0.082
Islas.Baleares	0.013	0.008	0.017	0.026	0.037	0.047
Canarias	0.009	0.003	0.006	0.010	0.013	0.016
Cantabria	0.022	0.017	0.036	0.056	0.081	0.108
Castilla.La.Mancha	0.022	0.015	0.030	0.048	0.068	0.091
Castilla.y.León	0.027	0.020	0.040	0.061	0.085	0.111
Cataluña	0.025	0.020	0.042	0.066	0.095	0.128
Ceuta	0.024	0.019	0.040	0.063	0.090	0.121
Comunidad.Valenciana	0.021	0.011	0.024	0.038	0.054	0.071
Extremadura	0.022	0.015	0.030	0.046	0.065	0.087
Galicia	0.018	0.010	0.021	0.032	0.046	0.059
Madrid	0.018	0.017	0.036	0.056	0.080	0.106
Melilla	0.035	0.007	0.015	0.023	0.032	0.041
Murcia	0.011	0.007	0.014	0.022	0.030	0.039
Navarra	0.025	0.016	0.034	0.055	0.079	0.106
País.Vasco	0.025	0.015	0.031	0.049	0.070	0.094
La.Rioja	0.087	0.064	0.167	0.268	0.417	0.565

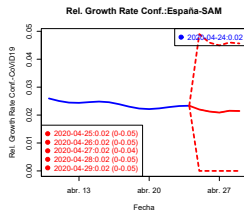
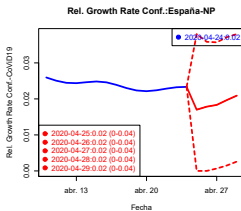
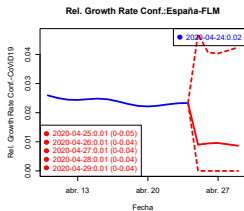
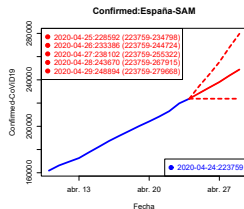
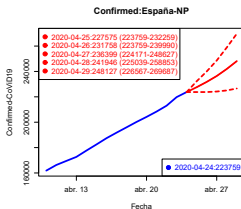
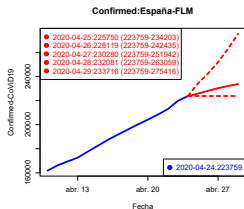
Table: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
- 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.023	0.022	0.043	0.064	0.089	0.112
Andalucía	0.031	0.027	0.058	0.092	0.129	0.175
Aragón	0.019	0.019	0.036	0.052	0.073	0.092
Asturias	0.018	0.017	0.034	0.050	0.072	0.092
Islas.Baleares	0.013	0.013	0.024	0.033	0.044	0.051
Canarias	0.009	0.009	0.018	0.027	0.037	0.048
Cantabria	0.022	0.020	0.042	0.061	0.085	0.108
Castilla.La.Mancha	0.022	0.020	0.039	0.056	0.077	0.093
Castilla.y.León	0.027	0.025	0.051	0.076	0.107	0.137
Cataluña	0.025	0.023	0.046	0.068	0.095	0.120
Ceuta	0.024	0.024	0.047	0.071	0.099	0.125
Comunidad.Valenciana	0.021	0.020	0.040	0.063	0.089	0.122
Extremadura	0.022	0.019	0.039	0.055	0.073	0.091
Galicia	0.018	0.017	0.035	0.053	0.075	0.100
Madrid	0.018	0.018	0.035	0.051	0.072	0.093
Melilla	0.035	0.030	0.064	0.107	0.154	0.215
Murcia	0.011	0.012	0.021	0.029	0.042	0.053
Navarra	0.025	0.023	0.047	0.071	0.099	0.128
País.Vasco	0.025	0.022	0.046	0.069	0.096	0.124
La.Rioja	0.087	0.073	0.157	0.264	0.381	0.513

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

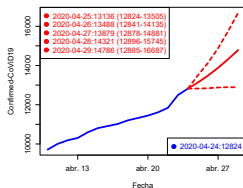
Confirmados: España



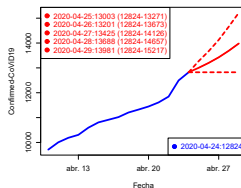
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

Confirmados: Andalucía

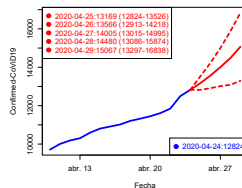
Confirmed:Andalucía-FLM



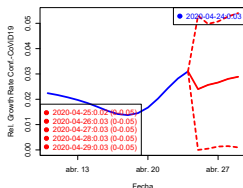
Confirmed:Andalucía-NP



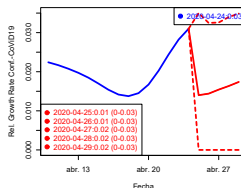
Confirmed:Andalucía-SAM



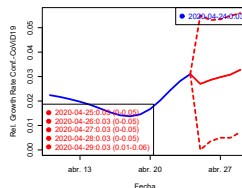
Rel. Growth Rate Conf.:Andalucía-FLM



Rel. Growth Rate Conf.:Andalucía-NP



Rel. Growth Rate Conf.:Andalucía-SAM

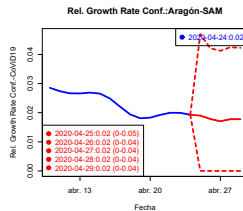
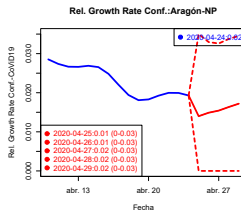
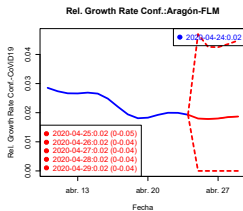
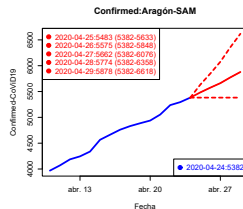
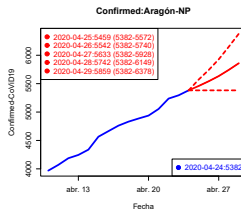
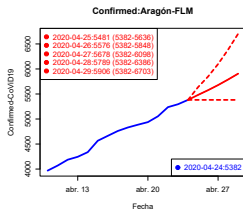


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Aragón

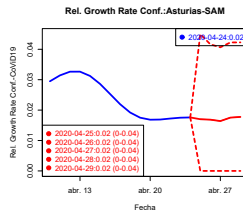
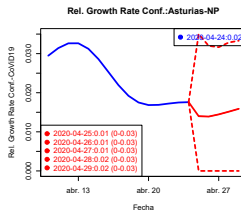
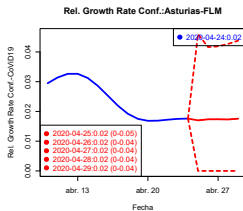
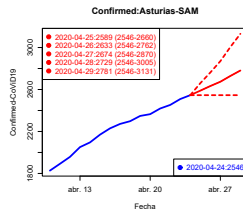
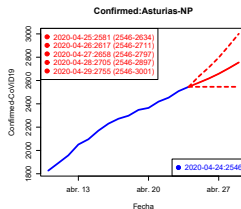
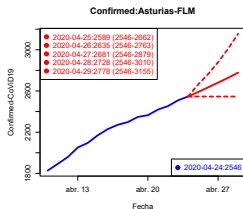


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Asturias

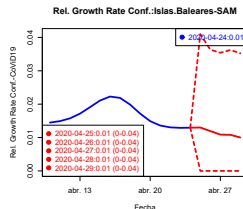
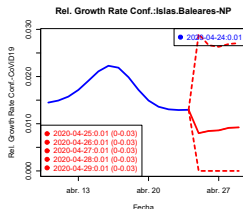
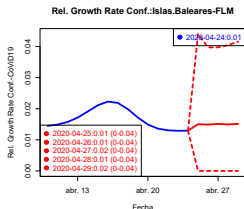
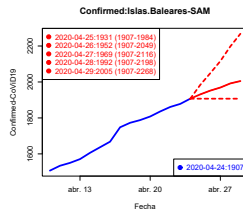
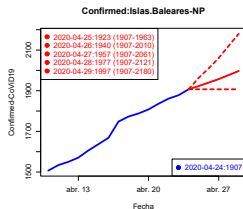
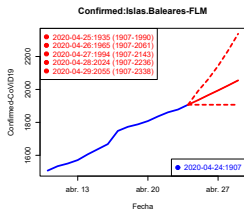


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Islas Baleares

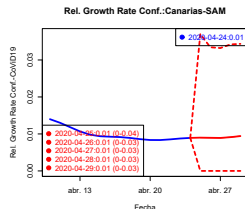
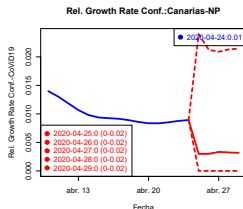
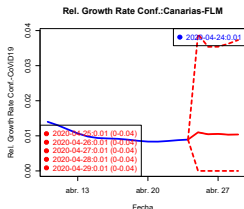
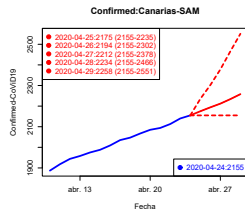
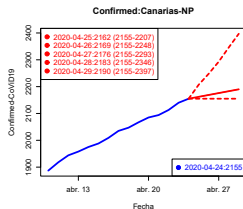
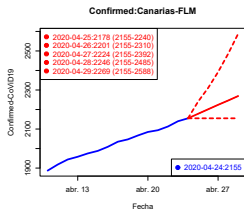


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

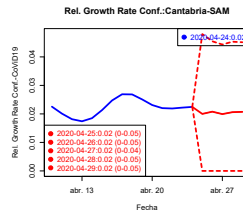
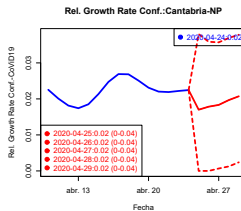
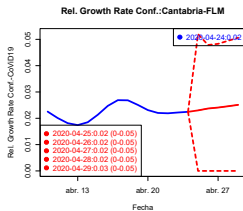
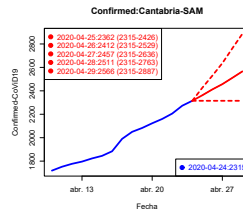
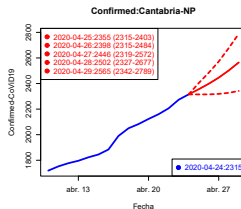
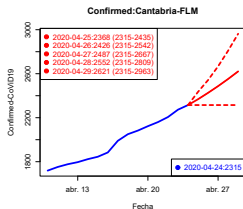
◀ Fallecidos

Confirmados: Canarias



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

Confirmados: Cantabria

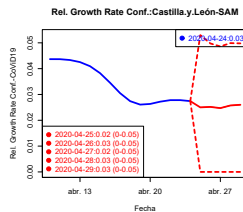
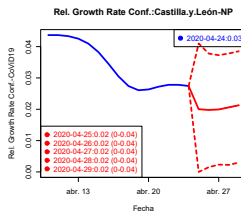
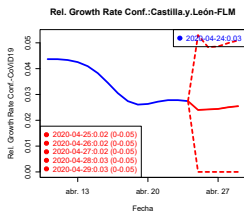
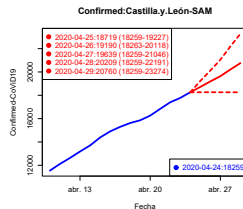
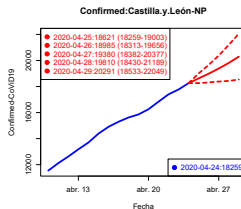
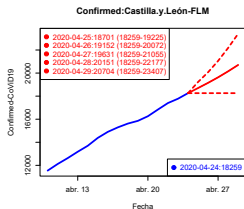


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla y León

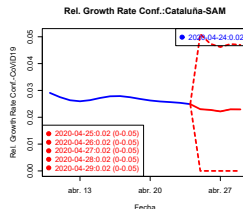
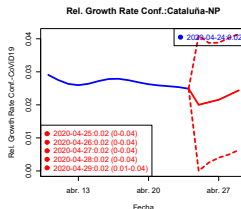
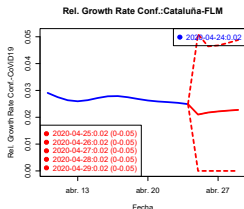
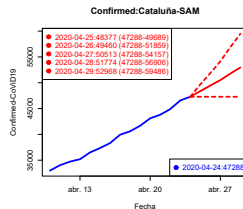
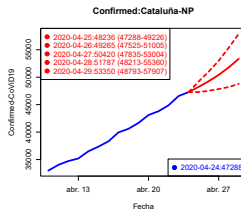
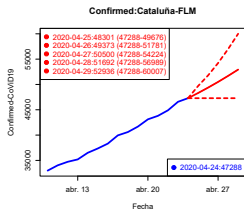


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cataluña

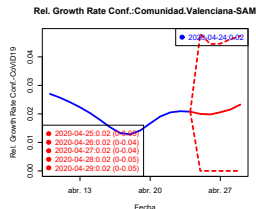
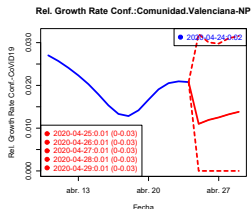
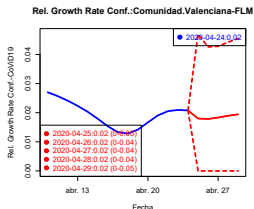
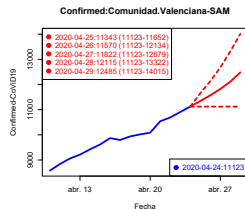
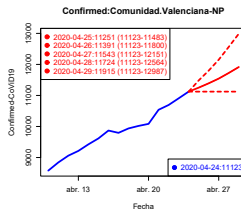
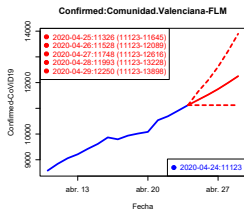


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

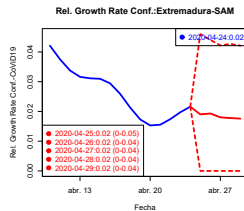
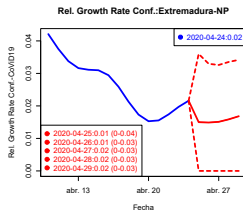
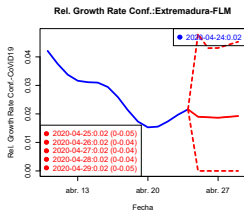
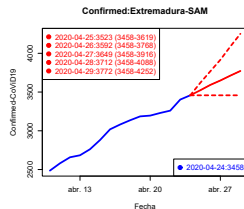
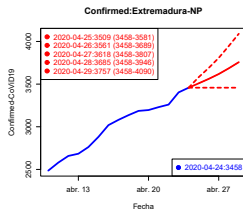
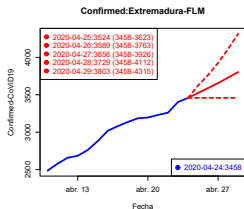
◀ Fallecidos

Confirmados: C. Valenciana



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

Confirmados: Extremadura

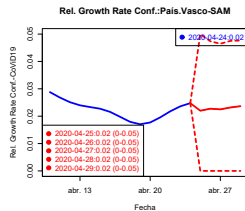
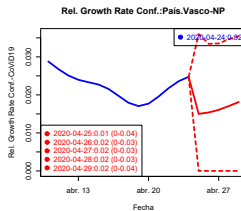
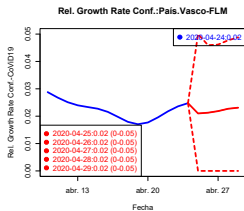
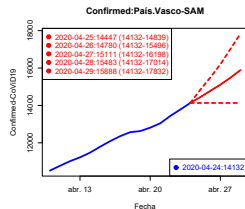
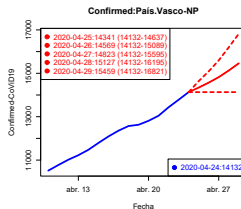
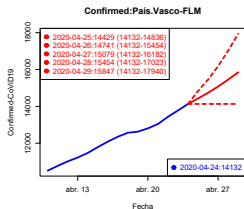


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: País Vasco

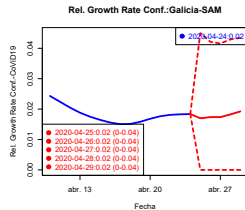
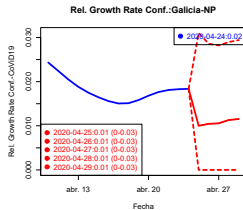
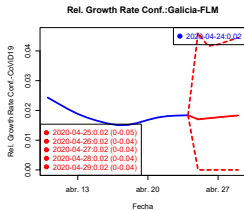
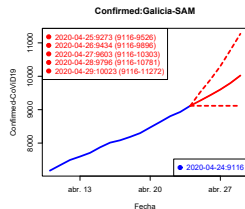
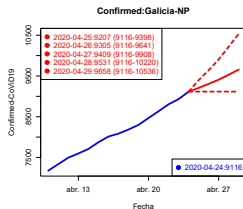
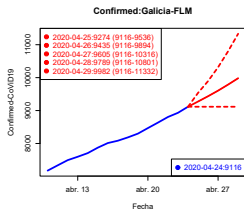


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia

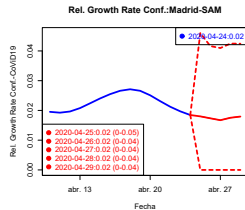
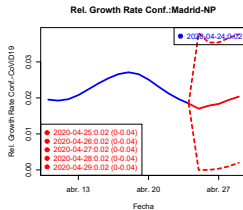
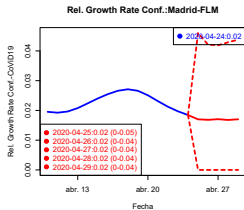
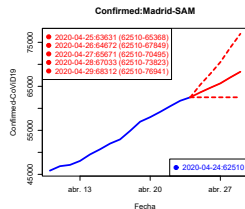
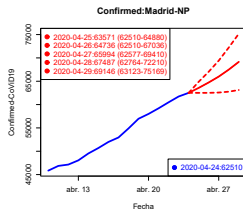
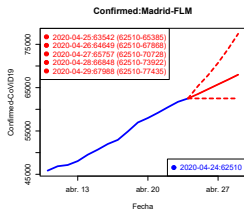


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid

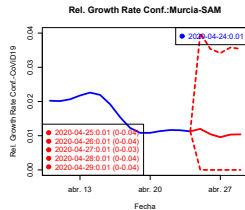
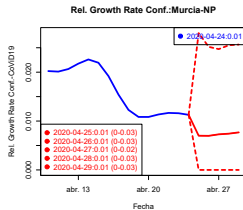
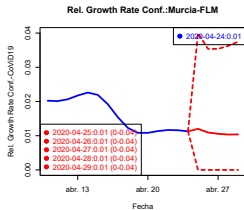
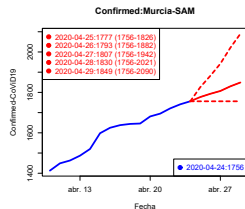
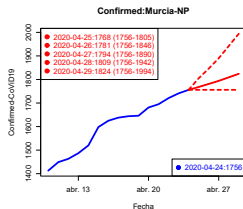
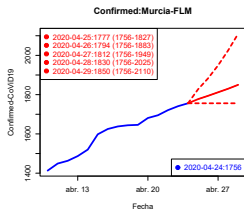


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Murcia

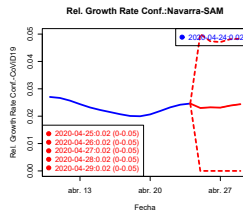
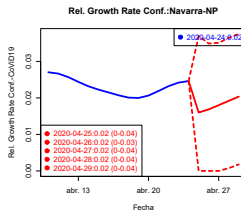
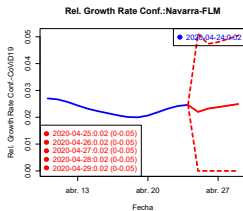
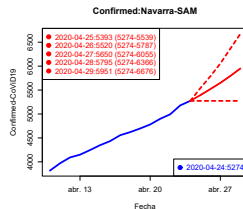
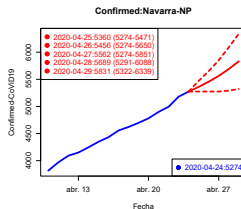
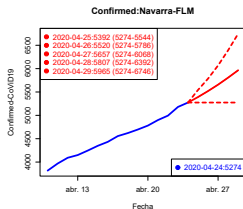


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Navarra

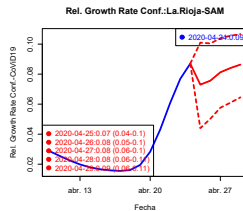
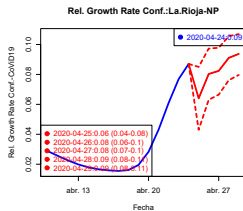
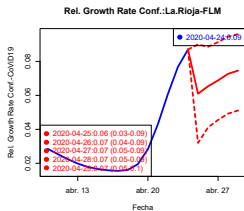
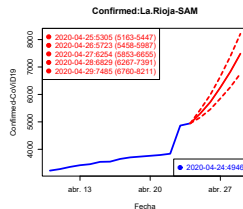
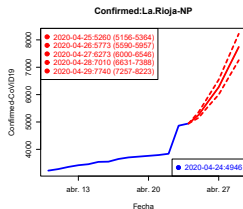
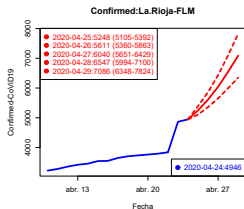


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: La Rioja



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

◀ Confirmados

◀ Fallecidos

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- 1 Casos Confirmados
 - Predicciones

- 2 Fallecidos
 - Predicciones Fallecidos

Modelos para fallecidos por CoViD-19

Número de datos funcionales: 6230

Países/Regiones distintos incorporados: 96

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	0.46	0.59	0.485
H2	0.009	0.005	0.008	0.006	0.004	0.005	0.56	0.734	0.603
H3	0.018	0.01	0.015	0.013	0.009	0.012	0.626	0.796	0.678
H4	0.033	0.018	0.026	0.023	0.014	0.021	0.655	0.822	0.724
H5	0.067	0.031	0.05	0.039	0.022	0.033	0.636	0.833	0.725

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	22902	23229	23505	23704	23836	23900
Andalucía	1131	1151	1167	1180	1189	1194
Aragón	709	722	734	744	751	756
Asturias	239	246	252	258	264	270
Islas.Baleares	174	178	180	182	183	183
Canarias	130	132	133	134	135	136
Cantabria	182	186	189	193	196	198
Castilla.La.Mancha	2292	2337	2376	2411	2443	2470
Castilla.y.León	1639	1663	1682	1697	1708	1715
Cataluña	4498	4568	4633	4684	4722	4745
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1172	1187	1199	1207	1211	1212
Extremadura	416	420	423	424	422	419
Galicia	388	395	400	403	405	405
Madrid	7848	7926	7984	8009	8008	7981
Melilla	2	2	2	2	2	2
Murcia	126	127	128	128	128	127
Navarra	429	440	450	457	463	470
País.Vasco	1212	1234	1254	1270	1282	1292
La.Rioja	311	315	319	321	322	322

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

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	22902	23365	23810	24221	24622	25007
Andalucía	1131	1157	1182	1205	1227	1249
Aragón	709	727	744	760	775	790
Asturias	239	246	252	259	265	270
Islas.Baleares	174	179	183	187	191	195
Canarias	130	132	135	137	139	141
Cantabria	182	187	191	196	200	204
Castilla.La.Mancha	2292	2343	2392	2438	2483	2526
Castilla.y.León	1639	1671	1701	1729	1757	1783
Cataluña	4498	4601	4700	4793	4883	4969
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1172	1195	1218	1239	1259	1279
Extremadura	416	424	432	439	446	453
Galicia	388	397	405	413	420	427
Madrid	7848	7980	8109	8226	8341	8453
Melilla	2	2	2	2	2	2
Murcia	126	128	131	133	135	137
Navarra	429	442	454	466	478	489
País.Vasco	1212	1241	1268	1294	1319	1343
La.Rioja	311	318	325	331	337	343

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

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	22902	23276	23415	23650	23863	24070
Andalucía	1131	1154	1165	1180	1199	1222
Aragón	709	723	729	739	748	759
Asturias	239	246	251	258	264	271
Islas.Baleares	174	178	180	182	184	186
Canarias	130	132	132	134	135	136
Cantabria	182	186	188	191	194	196
Castilla.La.Mancha	2292	2343	2366	2403	2441	2477
Castilla.y.León	1639	1668	1682	1700	1719	1740
Cataluña	4498	4579	4592	4645	4687	4734
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1172	1189	1194	1203	1212	1225
Extremadura	416	421	422	424	425	427
Galicia	388	395	399	403	407	409
Madrid	7848	7944	8002	8078	8134	8152
Melilla	2	2	2	2	2	2
Murcia	126	128	128	129	130	131
Navarra	429	439	443	452	458	462
País.Vasco	1212	1236	1245	1261	1277	1297
La.Rioja	311	316	318	321	326	336

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

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.018	0.014	0.026	0.035	0.041	0.044
Andalucía	0.024	0.017	0.032	0.043	0.051	0.056
Aragón	0.024	0.019	0.036	0.049	0.059	0.066
Asturias	0.039	0.028	0.054	0.080	0.104	0.128
Islas.Baleares	0.019	0.021	0.036	0.046	0.051	0.053
Canarias	0.023	0.012	0.024	0.034	0.042	0.047
Cantabria	0.027	0.021	0.041	0.058	0.074	0.087
Castilla.La.Mancha	0.024	0.020	0.037	0.052	0.066	0.078
Castilla.y.León	0.018	0.015	0.026	0.035	0.042	0.046
Cataluña	0.020	0.016	0.030	0.041	0.050	0.055
Ceuta	0.000	0.000	0.000	0.000	0.000	0.000
Comunidad.Valenciana	0.019	0.012	0.023	0.030	0.034	0.034
Extremadura	0.012	0.010	0.017	0.018	0.015	0.007
Galicia	0.018	0.017	0.031	0.039	0.043	0.045
Madrid	0.012	0.010	0.017	0.021	0.020	0.017
Melilla	0.000	0.000	0.000	0.000	0.000	0.000
Murcia	0.011	0.010	0.016	0.017	0.014	0.006
Navarra	0.023	0.026	0.048	0.066	0.080	0.095
País.Vasco	0.023	0.018	0.034	0.048	0.058	0.066
La.Rioja	0.015	0.014	0.025	0.032	0.036	0.037

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	0.018	0.020	0.040	0.058	0.075	0.092
Andalucía	0.024	0.023	0.045	0.065	0.085	0.104
Aragón	0.024	0.025	0.049	0.072	0.094	0.115
Asturias	0.039	0.028	0.055	0.081	0.107	0.131
Islas.Baleares	0.019	0.026	0.051	0.074	0.097	0.119
Canarias	0.023	0.018	0.035	0.051	0.067	0.082
Cantabria	0.027	0.026	0.050	0.074	0.097	0.118
Castilla.La.Mancha	0.024	0.022	0.044	0.064	0.083	0.102
Castilla.y.León	0.018	0.019	0.038	0.055	0.072	0.088
Cataluña	0.020	0.023	0.045	0.066	0.086	0.105
Ceuta	0.000	0.013	0.026	0.039	0.051	0.063
Comunidad.Valenciana	0.019	0.020	0.039	0.057	0.074	0.091
Extremadura	0.012	0.020	0.038	0.056	0.073	0.089
Galicia	0.018	0.022	0.043	0.063	0.082	0.101
Madrid	0.012	0.017	0.033	0.048	0.063	0.077
Melilla	0.000	0.013	0.026	0.039	0.051	0.063
Murcia	0.011	0.019	0.037	0.053	0.070	0.085
Navarra	0.023	0.030	0.058	0.086	0.113	0.140
País.Vasco	0.023	0.024	0.046	0.067	0.088	0.108
La.Rioja	0.015	0.022	0.044	0.064	0.083	0.102

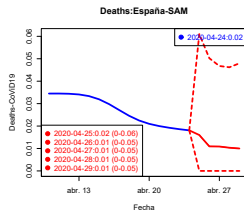
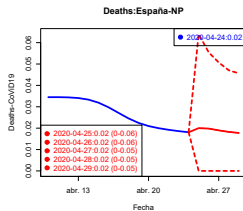
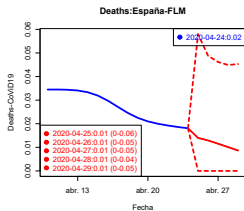
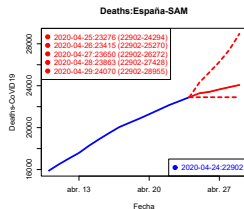
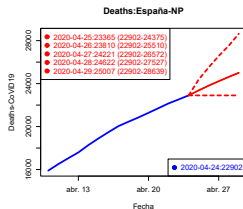
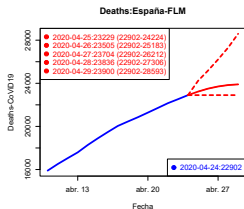
Table: Previsión Ratio Incr. Fallecidos: Mod. No Paramétrico - Horizonte 1 – 5 días.

Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.018	0.016	0.022	0.033	0.042	0.051
Andalucía	0.024	0.020	0.030	0.044	0.060	0.080
Aragón	0.024	0.020	0.028	0.042	0.055	0.071
Asturias	0.039	0.031	0.050	0.078	0.106	0.135
Islas.Baleares	0.019	0.020	0.033	0.046	0.059	0.069
Canarias	0.023	0.014	0.019	0.029	0.037	0.046
Cantabria	0.027	0.022	0.031	0.049	0.064	0.077
Castilla.La.Mancha	0.024	0.022	0.032	0.048	0.065	0.081
Castilla.y.León	0.018	0.018	0.026	0.037	0.048	0.062
Cataluña	0.020	0.018	0.021	0.033	0.042	0.052
Ceuta	0.000	0.004	0.019	0.035	0.048	0.062
Comunidad.Valenciana	0.019	0.015	0.019	0.026	0.034	0.045
Extremadura	0.012	0.011	0.015	0.019	0.022	0.026
Galicia	0.018	0.018	0.029	0.038	0.048	0.055
Madrid	0.012	0.012	0.020	0.029	0.036	0.039
Melilla	0.000	0.005	0.020	0.034	0.050	0.075
Murcia	0.011	0.012	0.020	0.026	0.034	0.042
Navarra	0.023	0.022	0.033	0.055	0.067	0.077
País.Vasco	0.023	0.020	0.027	0.041	0.054	0.070
La.Rioja	0.015	0.016	0.022	0.031	0.049	0.081

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

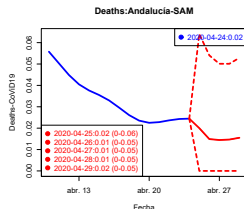
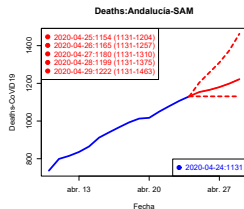
Fallecidos: España



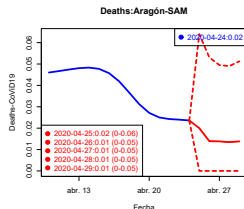
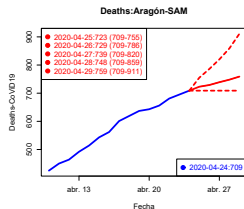
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

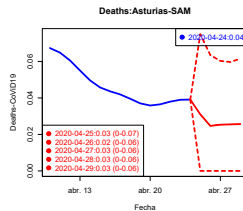
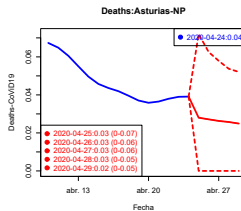
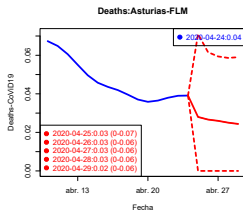
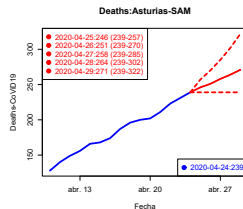
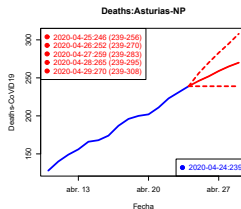
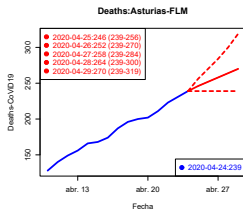


◀ Confirmados ◀ Fallecidos



◀ Confirmados ▶ Fallecidos

Fallecidos: Asturias

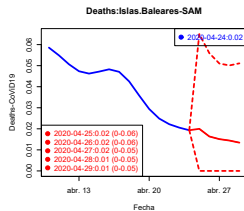
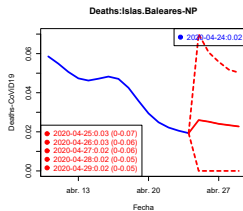
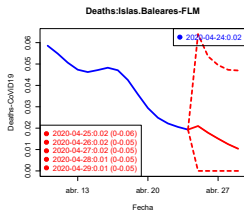
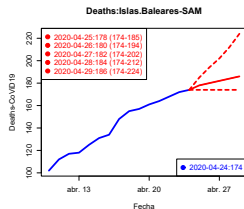
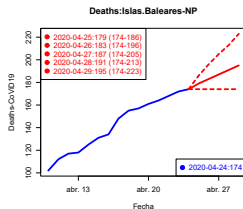
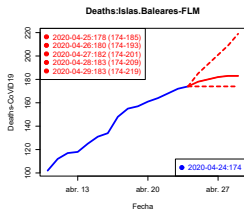


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

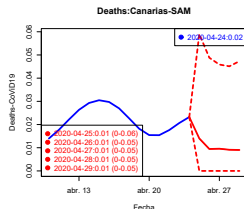
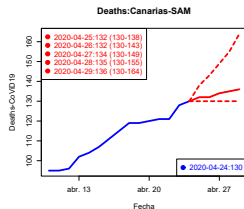
Fallecidos: Islas Baleares



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

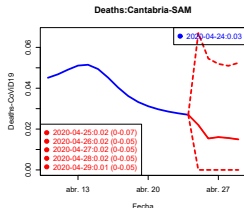
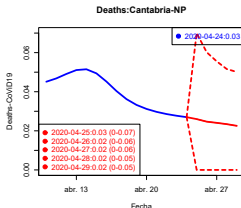
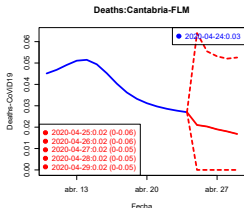
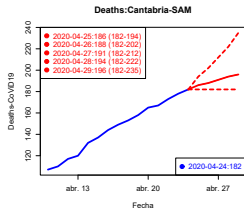
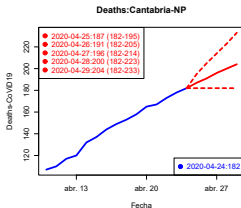
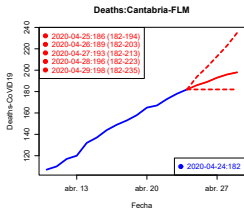
◀ Confirmados

◀ Fallecidos



◀ Confirmados ◀ Fallecidos

Fallecidos: Cantabria

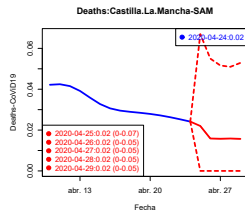
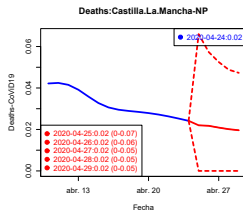
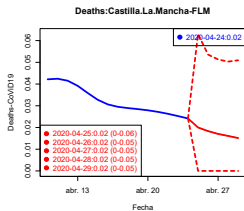
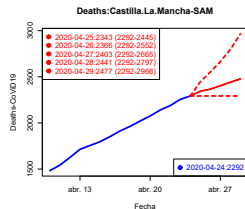
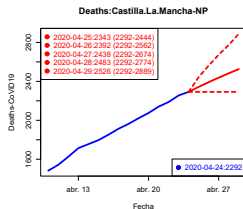
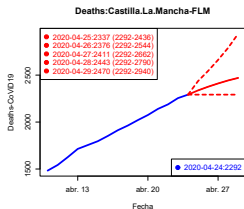


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

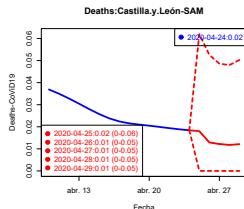
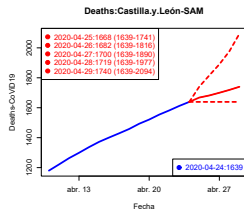
Fallecidos: Castilla-La Mancha



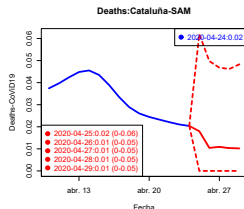
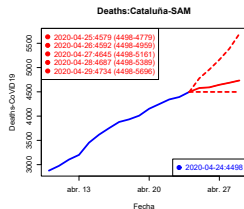
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

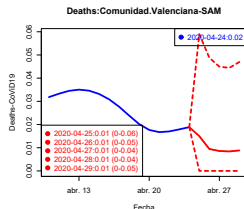
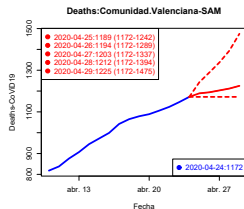
◀ Fallecidos



◀ Confirmados ◀ Fallecidos

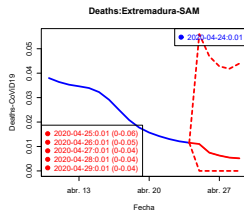
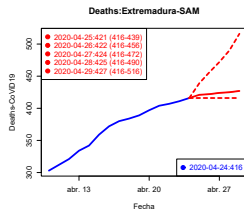


◀ Confirmados ◀ Fallecidos



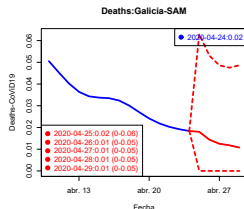
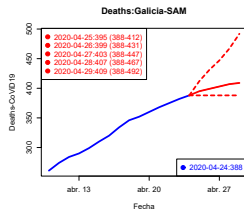
◀ Confirmados ◀ Fallecidos

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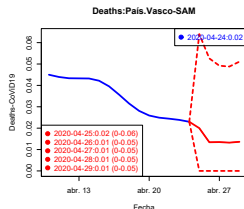
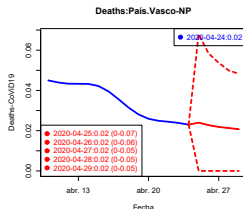
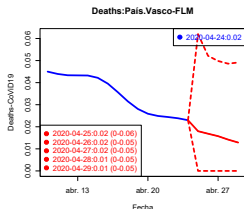
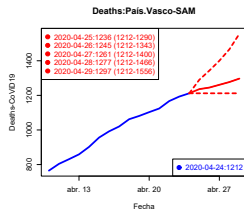
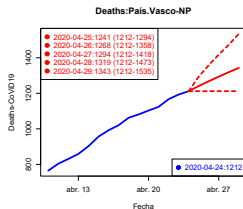
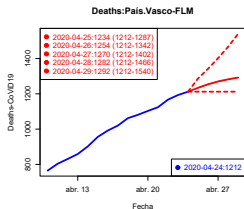
◀ Confirmados ◀ Fallecidos

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◀ Confirmados ▶ Fallecidos

Fallecidos: País Vasco

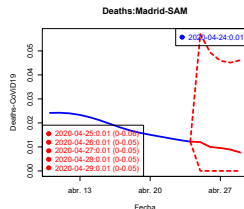
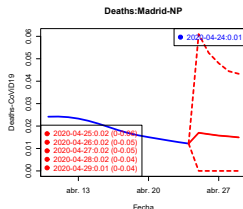
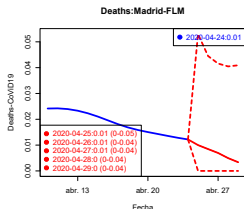
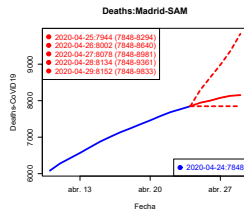
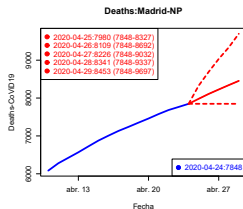
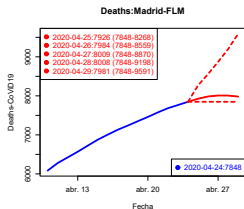


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Madrid

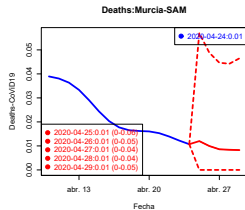
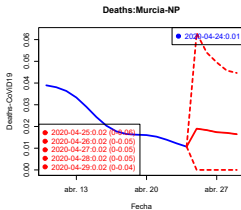
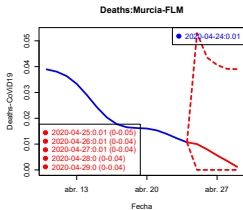
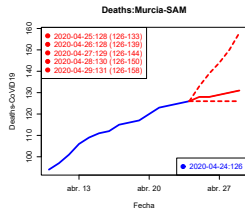
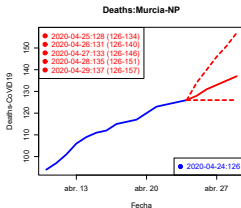
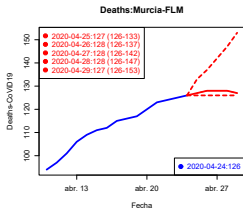


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

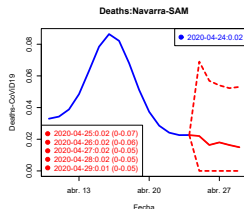
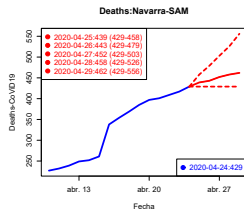
Fallecidos: Murcia



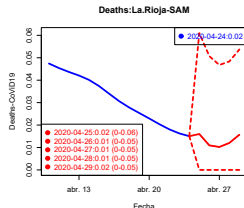
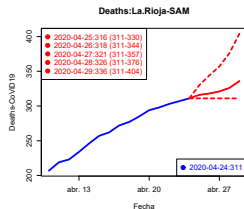
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos



◀ Confirmados ◀ Fallecidos



◀ Confirmados ◀ Fallecidos

Breve descripción del Modelo de predicción

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

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

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

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

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

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