

Predicciones sobre CoViD-19

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DEPARTAMENTO DE ESTATÍSTICA,
ANÁLISE MATEMÁTICA E OPTIMIZACIÓN



- Predicciones

- Predicciones Fallecidos

Datos

Número de datos funcionales: 4314

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	0.44	0.878	0.45
H2	0.011	0.003	0.01	0.008	0.002	0.008	0.582	0.907	0.599
H3	0.023	0.006	0.022	0.021	0.005	0.02	0.628	0.919	0.647
H4	0.048	0.013	0.045	0.042	0.01	0.04	0.625	0.918	0.648
H5	0.089	0.024	0.082	0.081	0.016	0.077	0.614	0.918	0.642

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

Tabla Previsión Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	208389	210179	212120	213870	214875	216003
Andalucía	11610	11776	11957	12135	12304	12477
Aragón	5054	5145	5250	5351	5447	5546
Asturias	2419	2464	2513	2563	2611	2661
Islas.Baleares	1836	1867	1901	1935	1970	2006
Canarias	2094	2115	2134	2153	2170	2185
Cantabria	2160	2207	2255	2308	2365	2424
Castilla.La.Mancha	17321	17632	17957	18270	18564	18856
Castilla.y.León	16839	17271	17751	18234	18721	19228
Cataluña	43802	44762	45786	46868	47987	49156
Ceuta	118	121	125	129	133	138
Comunidad.Valenciana	10538	10729	10947	11161	11381	11603
Extremadura	3230	3281	3338	3390	3434	3480
Galicia	8634	8779	8936	9095	9257	9422
Madrid	59199	60379	61612	62939	64306	65736
Melilla	105	106	106	107	107	107
Murcia	1695	1718	1745	1770	1791	1813
Navarra	4899	4995	5099	5205	5314	5427
País.Vasco	13044	13251	13469	13680	13881	14083
La.Rioja	3792	3838	3882	3924	3961	3999

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

Tabla Previsión Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	208389	212335	216719	221577	226663	232849
Andalucía	11610	11719	11837	11964	12094	12247
Aragón	5054	5136	5223	5317	5412	5526
Asturias	2419	2459	2502	2548	2597	2656
Islas.Baleares	1836	1858	1883	1911	1939	1974
Canarias	2094	2102	2110	2119	2127	2136
Cantabria	2160	2204	2256	2316	2380	2461
Castilla.La.Mancha	17321	17629	17948	18286	18614	18998
Castilla.y.León	16839	17191	17530	17876	18218	18585
Cataluña	43802	44761	45817	46997	48244	49739
Ceuta	118	120	123	127	131	136
Comunidad.Valenciana	10538	10671	10814	10969	11132	11322
Extremadura	3230	3284	3340	3400	3457	3524
Galicia	8634	8731	8836	8952	9074	9217
Madrid	59199	60554	62145	63994	66064	68674
Melilla	105	105	106	106	106	106
Murcia	1695	1710	1726	1742	1759	1778
Navarra	4899	4980	5068	5166	5267	5387
País.Vasco	13044	13234	13437	13656	13875	14137
La.Rioja	3792	3827	3864	3903	3943	3990

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

Tabla Ratio Incr. Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.021	0.009	0.018	0.026	0.031	0.037
Andalucía	0.013	0.014	0.030	0.045	0.060	0.075
Aragón	0.016	0.018	0.039	0.059	0.078	0.097
Asturias	0.017	0.019	0.039	0.059	0.079	0.100
Islas.Baleares	0.014	0.017	0.035	0.054	0.073	0.092
Canarias	0.007	0.010	0.019	0.028	0.036	0.044
Cantabria	0.021	0.022	0.044	0.068	0.095	0.122
Castilla.La.Mancha	0.016	0.018	0.037	0.055	0.072	0.089
Castilla.y.León	0.027	0.026	0.054	0.083	0.112	0.142
Cataluña	0.025	0.022	0.045	0.070	0.096	0.122
Ceuta	0.029	0.026	0.058	0.092	0.128	0.166
Comunidad.Valenciana	0.021	0.018	0.039	0.059	0.080	0.101
Extremadura	0.012	0.016	0.033	0.049	0.063	0.077
Galicia	0.017	0.017	0.035	0.053	0.072	0.091
Madrid	0.025	0.020	0.041	0.063	0.086	0.110
Melilla	0.003	0.006	0.013	0.018	0.021	0.023
Murcia	0.010	0.014	0.029	0.044	0.057	0.070
Navarra	0.020	0.020	0.041	0.063	0.085	0.108
País.Vasco	0.015	0.016	0.033	0.049	0.064	0.080
La.Rioja	0.010	0.012	0.024	0.035	0.045	0.055

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	0.019	0.040	0.063	0.088	0.117
Andalucía	0.013	0.009	0.020	0.030	0.042	0.055
Aragón	0.016	0.016	0.033	0.052	0.071	0.093
Asturias	0.017	0.017	0.034	0.053	0.073	0.098
Islas.Baleares	0.014	0.012	0.026	0.041	0.056	0.075
Canarias	0.007	0.004	0.008	0.012	0.016	0.020
Cantabria	0.021	0.020	0.044	0.072	0.102	0.139
Castilla.La.Mancha	0.016	0.018	0.036	0.056	0.075	0.097
Castilla.y.León	0.027	0.021	0.041	0.062	0.082	0.104
Cataluña	0.025	0.022	0.046	0.073	0.101	0.136
Ceuta	0.029	0.021	0.046	0.075	0.108	0.150
Comunidad.Valenciana	0.021	0.013	0.026	0.041	0.056	0.074
Extremadura	0.012	0.017	0.034	0.053	0.070	0.091
Galicia	0.017	0.011	0.023	0.037	0.051	0.067
Madrid	0.025	0.023	0.050	0.081	0.116	0.160
Melilla	0.003	0.003	0.005	0.008	0.010	0.013
Murcia	0.010	0.009	0.018	0.028	0.038	0.049
Navarra	0.020	0.016	0.035	0.054	0.075	0.100
País.Vasco	0.015	0.015	0.030	0.047	0.064	0.084
La.Rioja	0.010	0.009	0.019	0.029	0.040	0.052

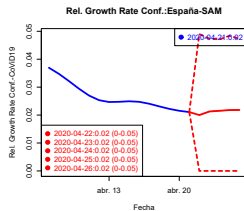
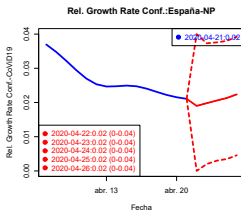
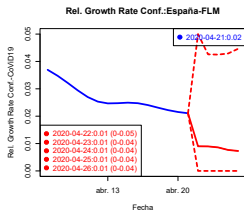
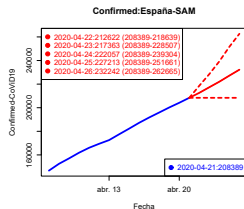
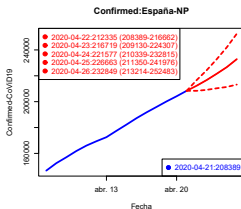
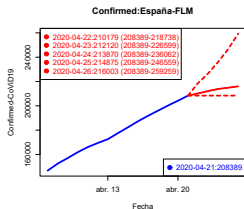
Table: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
- 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.021	0.020	0.043	0.066	0.090	0.114
Andalucía	0.013	0.013	0.027	0.041	0.058	0.073
Aragón	0.016	0.016	0.034	0.049	0.069	0.084
Asturias	0.017	0.017	0.035	0.051	0.074	0.092
Islas.Baleares	0.014	0.014	0.030	0.046	0.066	0.088
Canarias	0.007	0.009	0.018	0.027	0.039	0.052
Cantabria	0.021	0.021	0.044	0.071	0.092	0.127
Castilla.La.Mancha	0.016	0.015	0.033	0.050	0.067	0.087
Castilla.y.León	0.027	0.025	0.053	0.079	0.109	0.133
Cataluña	0.025	0.024	0.051	0.079	0.106	0.136
Ceuta	0.029	0.026	0.058	0.092	0.121	0.160
Comunidad.Valenciana	0.021	0.019	0.042	0.063	0.091	0.115
Extremadura	0.012	0.013	0.026	0.039	0.049	0.061
Galicia	0.017	0.017	0.036	0.055	0.078	0.099
Madrid	0.025	0.024	0.052	0.083	0.114	0.152
Melilla	0.003	0.005	0.008	0.010	0.018	0.019
Murcia	0.010	0.010	0.021	0.029	0.046	0.056
Navarra	0.020	0.020	0.041	0.061	0.085	0.105
País.Vasco	0.015	0.015	0.030	0.045	0.062	0.076
La.Rioja	0.010	0.011	0.021	0.031	0.044	0.054

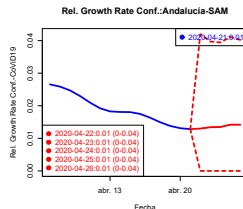
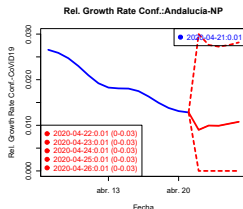
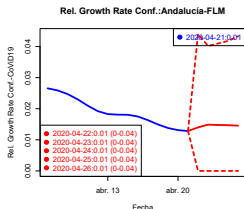
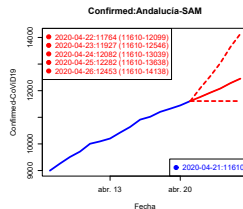
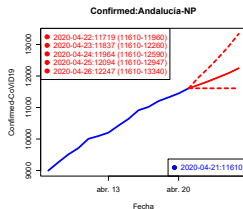
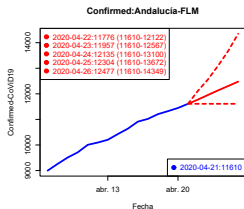
Table: Previsión Ratio Incr. Confirmados: Mod. Aditivo - Horizonte 1 – 5 días.

Confirmados: España



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

Confirmados: Andalucía

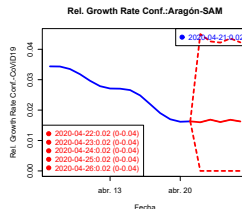
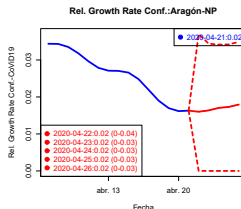
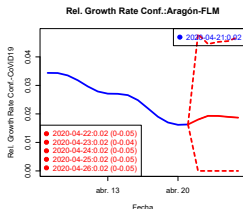
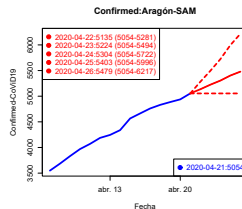
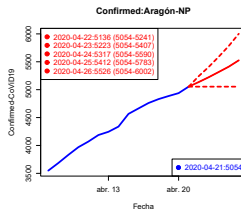
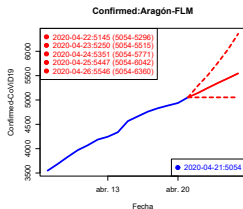


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Aragón

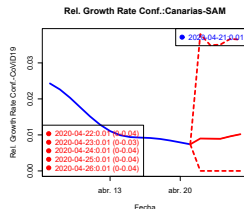
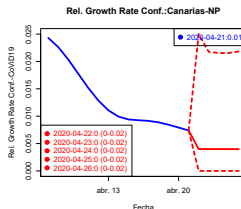
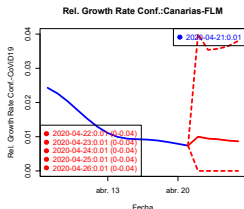
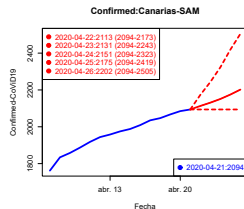
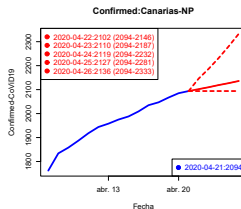
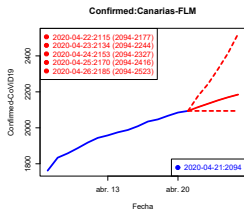


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Canarias

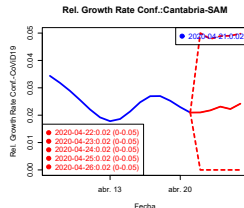
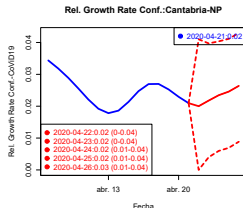
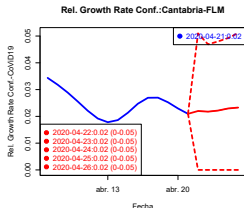
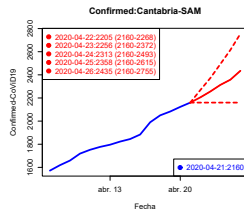
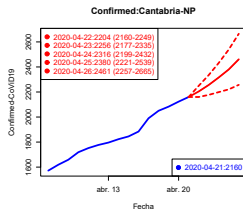
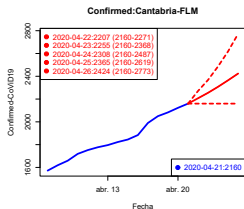


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cantabria

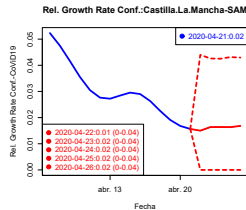
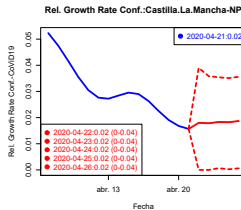
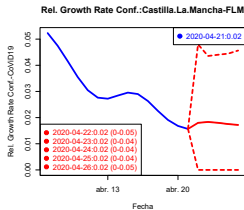
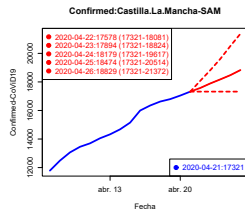
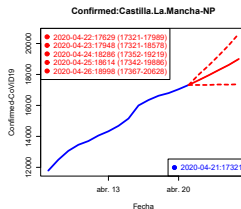
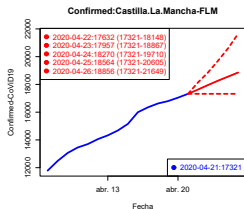


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla-La Mancha

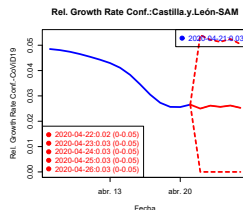
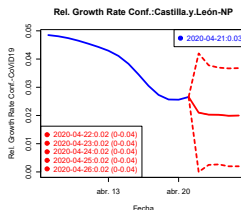
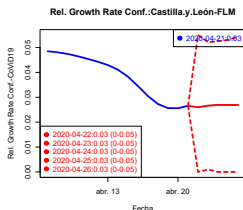
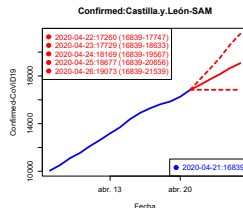
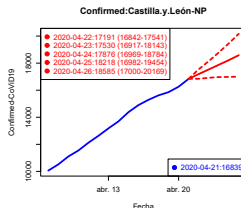
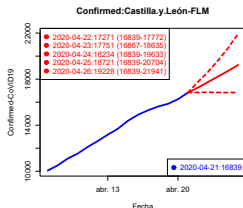


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla y León

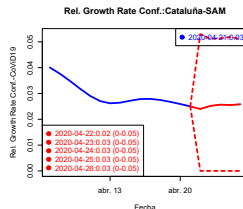
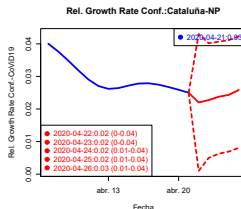
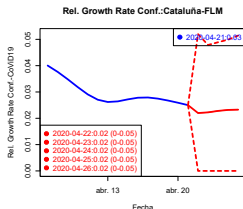
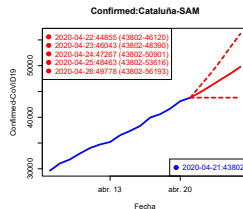
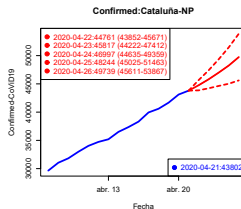
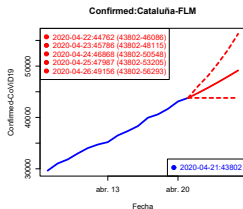


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cataluña



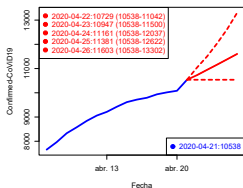
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

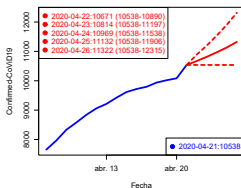
◀ Fallecidos

Confirmados: C. Valenciana

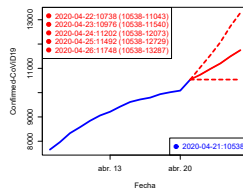
Confirmed:Comunidad.Valenciana-FLM



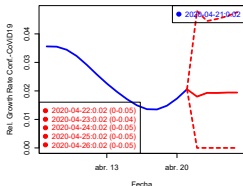
Confirmed:Comunidad.Valenciana-NP



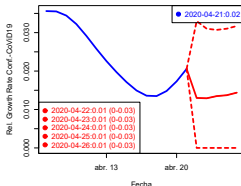
Confirmed:Comunidad.Valenciana-SAM



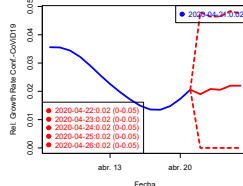
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Rel. Growth Rate Conf.:Comunidad.Valenciana-NP



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

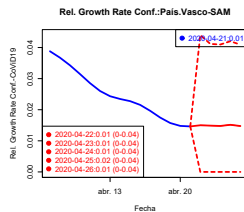
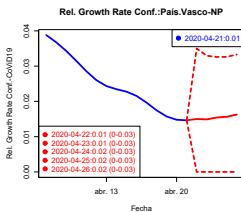
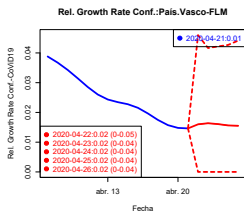
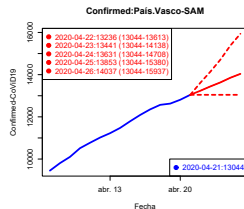
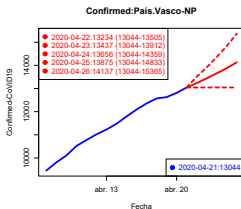
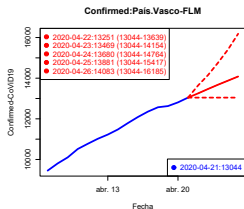


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: País Vasco

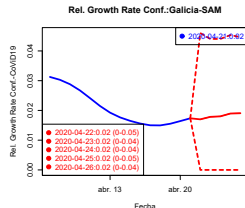
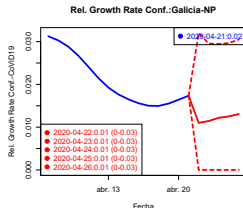
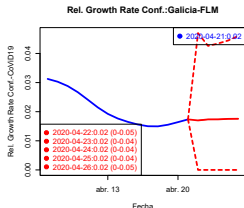
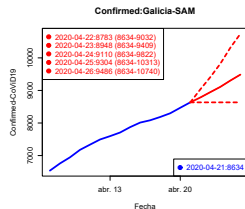
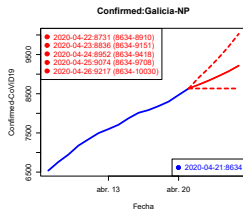
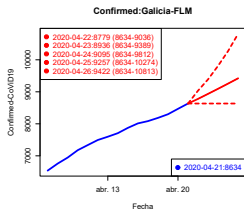


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia

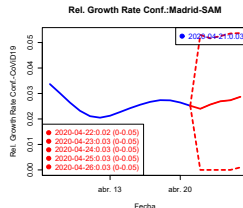
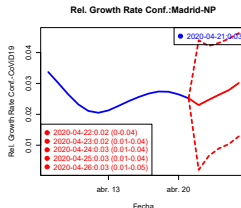
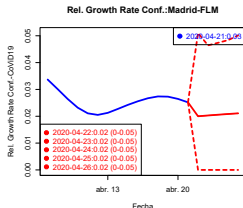
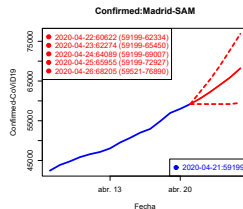
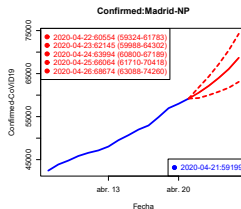
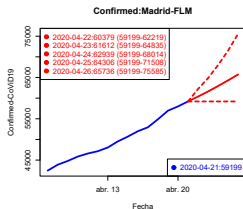


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid

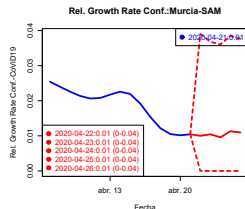
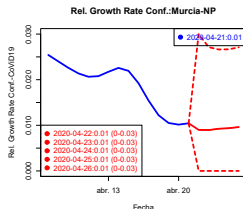
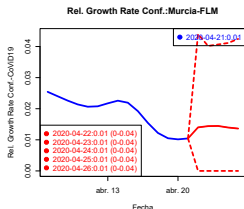
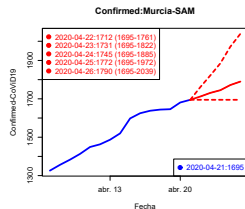
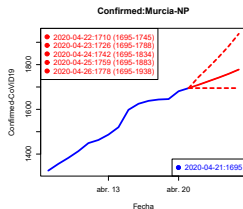
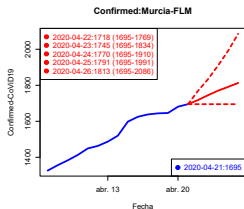


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Murcia

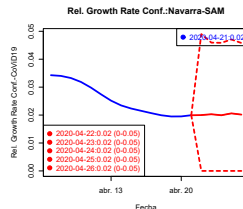
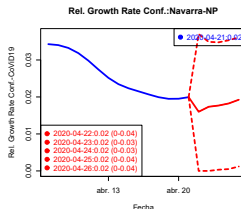
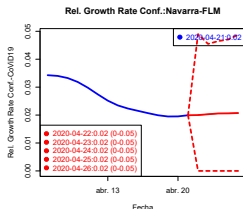
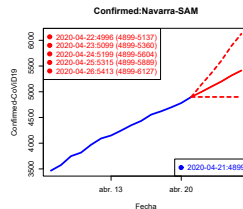
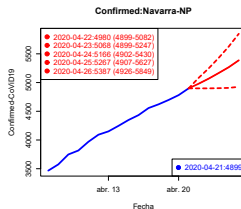
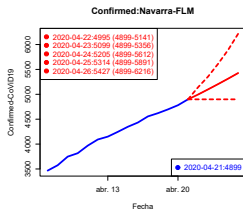


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Navarra

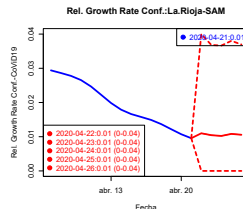
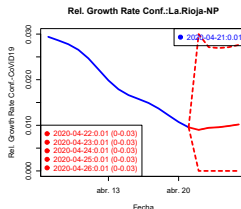
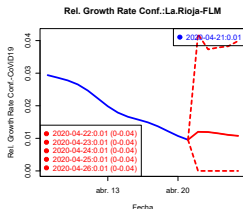
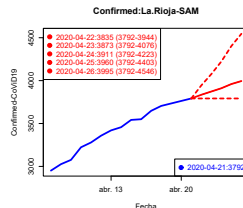
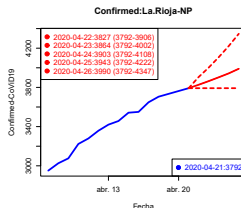
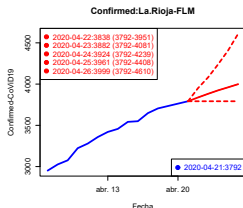


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ 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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 - Predicciones

- 2 Fallecidos
 - Predicciones Fallecidos

Modelos para fallecidos por CoViD-19

Número de datos funcionales: 5729

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	0.003	0.003	0.002	0.002	0.002	0.438	0.582	0.471
H2	0.01	0.006	0.009	0.006	0.005	0.007	0.536	0.728	0.602
H3	0.021	0.011	0.017	0.015	0.01	0.015	0.607	0.792	0.68
H4	0.039	0.02	0.03	0.027	0.015	0.024	0.639	0.82	0.726
H5	0.079	0.036	0.056	0.043	0.022	0.04	0.623	0.833	0.731

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	21717	22177	22561	22827	23005	23117
Andalucía	1050	1074	1091	1098	1097	1089
Aragón	656	676	692	702	709	714
Asturias	211	217	223	228	231	235
Islas.Baleares	164	169	174	179	183	187
Canarias	121	123	125	127	128	129
Cantabria	167	172	177	181	184	187
Castilla.La.Mancha	2140	2190	2237	2274	2304	2326
Castilla.y.León	1554	1582	1606	1623	1633	1638
Cataluña	4247	4359	4453	4523	4576	4621
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1106	1129	1146	1156	1160	1160
Extremadura	404	412	418	421	423	424
Galicia	368	377	385	391	395	398
Madrid	7577	7691	7783	7831	7849	7839
Melilla	2	2	2	2	2	2
Murcia	123	125	126	127	127	126
Navarra	401	423	443	464	487	515
País.Vasco	1124	1154	1178	1194	1205	1211
La.Rioja	298	305	311	315	318	319

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

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	21717	22278	22790	23247	23666	24068
Andalucía	1050	1084	1117	1147	1174	1200
Aragón	656	678	699	719	737	754
Asturias	211	219	226	232	238	244
Islas.Baleares	164	169	174	179	183	187
Canarias	121	123	125	127	129	131
Cantabria	167	172	177	182	186	190
Castilla.La.Mancha	2140	2204	2262	2315	2364	2411
Castilla.y.León	1554	1592	1627	1658	1686	1714
Cataluña	4247	4373	4488	4593	4689	4782
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1106	1135	1161	1184	1206	1226
Extremadura	404	414	423	430	438	444
Galicia	368	379	389	398	407	415
Madrid	7577	7729	7868	7991	8104	8213
Melilla	2	2	2	2	2	2
Murcia	123	126	129	131	133	135
Navarra	401	415	427	439	450	461
País.Vasco	1124	1159	1192	1222	1250	1277
La.Rioja	298	307	316	323	330	337

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

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	21717	22260	22782	23168	23516	23841
Andalucía	1050	1074	1099	1111	1123	1146
Aragón	656	677	698	712	727	741
Asturias	211	217	223	229	235	240
Islas.Baleares	164	169	173	178	183	186
Canarias	121	123	126	129	131	132
Cantabria	167	172	177	182	186	189
Castilla.La.Mancha	2140	2198	2250	2293	2333	2365
Castilla.y.León	1554	1593	1631	1659	1684	1713
Cataluña	4247	4365	4485	4583	4673	4741
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1106	1134	1160	1176	1190	1208
Extremadura	404	413	423	429	435	439
Galicia	368	378	386	393	400	408
Madrid	7577	7733	7892	8015	8118	8228
Melilla	2	2	2	2	2	2
Murcia	123	125	128	129	130	131
Navarra	401	428	450	462	485	509
País.Vasco	1124	1156	1187	1208	1229	1248
La.Rioja	298	306	313	317	323	328

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

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.021	0.021	0.039	0.051	0.059	0.064
Andalucía	0.021	0.023	0.039	0.046	0.045	0.037
Aragón	0.023	0.031	0.054	0.070	0.081	0.088
Asturias	0.031	0.029	0.055	0.078	0.097	0.111
Islas.Baleares	0.027	0.031	0.061	0.088	0.115	0.140
Canarias	0.011	0.020	0.035	0.046	0.054	0.062
Cantabria	0.029	0.031	0.058	0.081	0.101	0.121
Castilla.La.Mancha	0.029	0.023	0.045	0.063	0.077	0.087
Castilla.y.León	0.021	0.018	0.033	0.044	0.051	0.054
Cataluña	0.026	0.026	0.048	0.065	0.077	0.088
Ceuta	0.000	0.002	0.001	0.000	0.000	0.000
Comunidad.Valenciana	0.016	0.021	0.037	0.045	0.049	0.049
Extremadura	0.017	0.019	0.034	0.043	0.047	0.049
Galicia	0.024	0.024	0.045	0.061	0.073	0.082
Madrid	0.016	0.015	0.027	0.034	0.036	0.035
Melilla	0.000	0.002	0.000	0.000	0.000	0.000
Murcia	0.020	0.016	0.028	0.033	0.033	0.028
Navarra	0.033	0.054	0.105	0.156	0.215	0.284
País.Vasco	0.023	0.026	0.048	0.062	0.072	0.077
La.Rioja	0.024	0.024	0.044	0.057	0.066	0.071

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	0.026	0.049	0.070	0.090	0.108
Andalucía	0.021	0.033	0.063	0.092	0.118	0.143
Aragón	0.023	0.034	0.066	0.096	0.123	0.150
Asturias	0.031	0.035	0.069	0.100	0.130	0.158
Islas.Baleares	0.027	0.032	0.062	0.090	0.115	0.140
Canarias	0.011	0.018	0.035	0.050	0.064	0.078
Cantabria	0.029	0.032	0.061	0.088	0.113	0.137
Castilla.La.Mancha	0.029	0.030	0.057	0.082	0.105	0.127
Castilla.y.León	0.021	0.025	0.047	0.067	0.085	0.103
Cataluña	0.026	0.030	0.057	0.081	0.104	0.126
Ceuta	0.000	0.014	0.027	0.040	0.052	0.063
Comunidad.Valenciana	0.016	0.026	0.050	0.071	0.090	0.109
Extremadura	0.017	0.024	0.046	0.065	0.083	0.100
Galicia	0.024	0.030	0.057	0.082	0.105	0.127
Madrid	0.016	0.020	0.038	0.055	0.070	0.084
Melilla	0.000	0.014	0.027	0.040	0.052	0.063
Murcia	0.020	0.024	0.046	0.065	0.083	0.100
Navarra	0.033	0.034	0.065	0.095	0.122	0.148
País.Vasco	0.023	0.031	0.061	0.087	0.112	0.136
La.Rioja	0.024	0.030	0.059	0.084	0.108	0.131

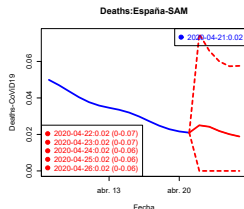
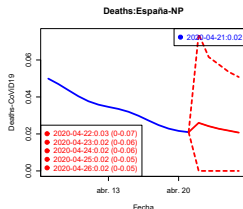
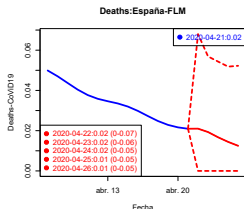
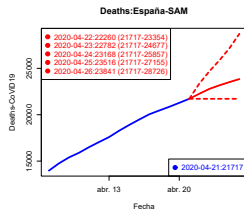
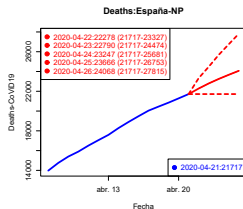
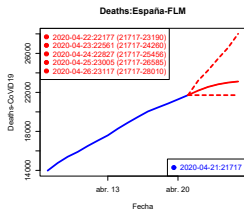
Table: Previsión Ratio Incr. Fallecidos: Mod. No Paramétrico - Horizonte 1 – 5 días.

Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.021	0.025	0.049	0.067	0.083	0.098
Andalucía	0.021	0.022	0.047	0.058	0.070	0.092
Aragón	0.023	0.032	0.064	0.085	0.108	0.130
Asturias	0.031	0.029	0.055	0.083	0.112	0.139
Islas.Baleares	0.027	0.028	0.056	0.087	0.117	0.134
Canarias	0.011	0.020	0.045	0.064	0.082	0.094
Cantabria	0.029	0.030	0.060	0.088	0.115	0.132
Castilla.La.Mancha	0.029	0.027	0.052	0.072	0.090	0.105
Castilla.y.León	0.021	0.025	0.050	0.068	0.084	0.102
Cataluña	0.026	0.028	0.056	0.079	0.100	0.116
Ceuta	0.000	0.012	0.034	0.057	0.075	0.097
Comunidad.Valenciana	0.016	0.025	0.049	0.063	0.076	0.092
Extremadura	0.017	0.023	0.047	0.063	0.078	0.086
Galicia	0.024	0.027	0.050	0.068	0.086	0.108
Madrid	0.016	0.021	0.042	0.058	0.071	0.086
Melilla	0.000	0.011	0.029	0.046	0.061	0.077
Murcia	0.020	0.020	0.037	0.047	0.057	0.067
Navarra	0.033	0.068	0.122	0.152	0.210	0.269
País.Vasco	0.023	0.028	0.056	0.075	0.093	0.111
La.Rioja	0.024	0.026	0.049	0.065	0.082	0.100

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

Fallecidos: España

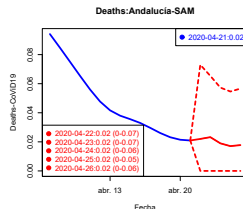
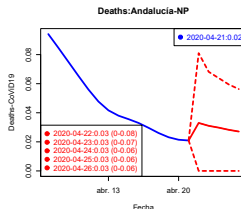
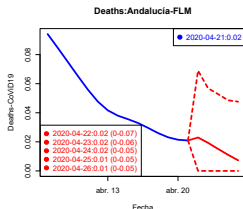
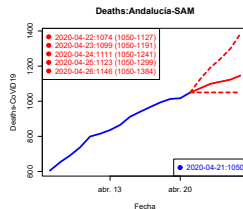
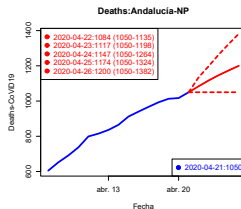
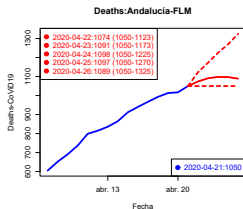


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

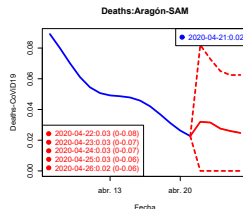
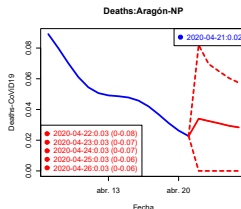
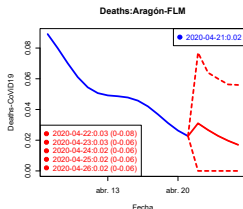
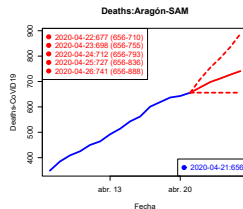
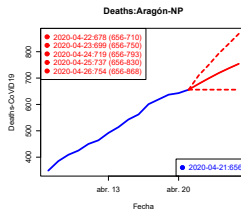
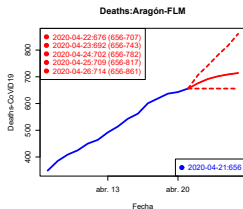
◀ Fallecidos

Fallecidos: Andalucía



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

Fallecidos: Aragón

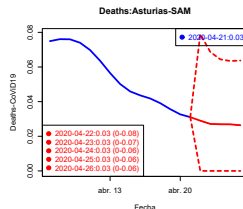
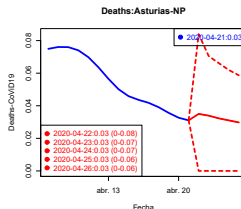
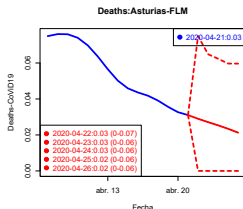
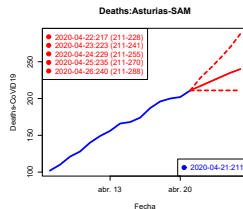
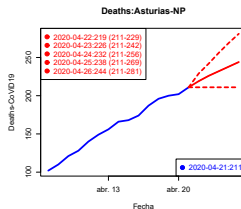
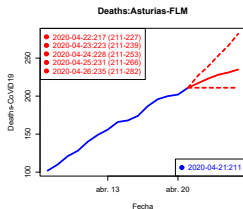


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Asturias

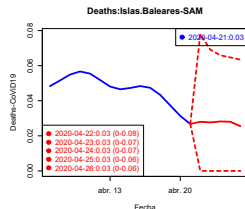
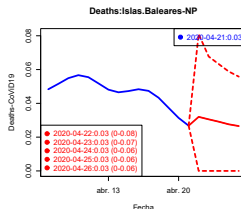
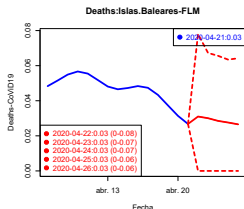
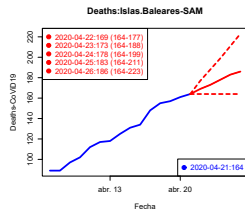
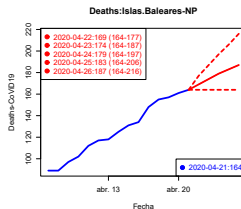
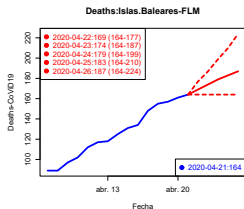


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Islas Baleares

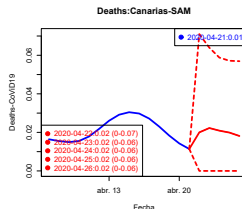
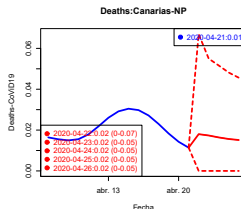
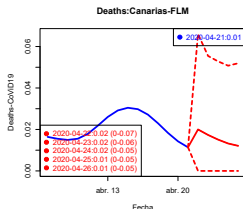
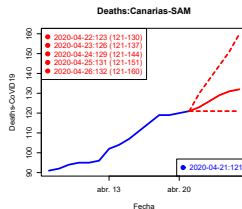
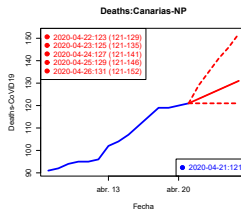
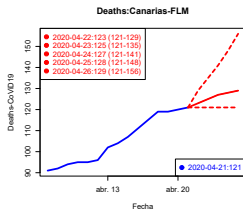


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Canarias

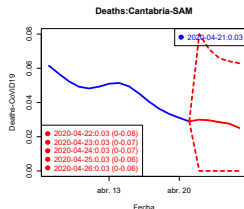
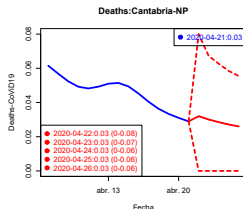
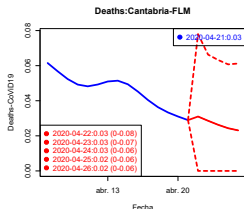
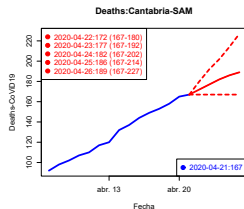
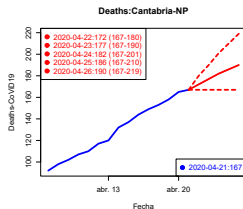
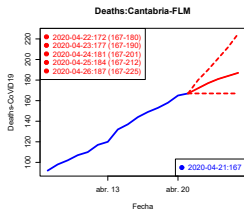


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Cantabria

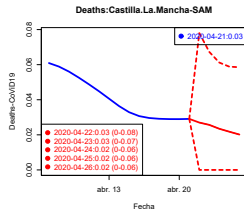
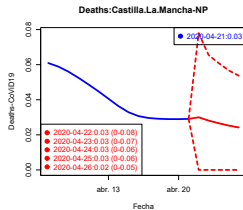
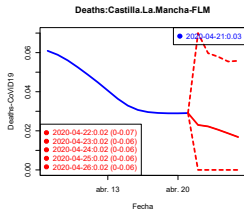
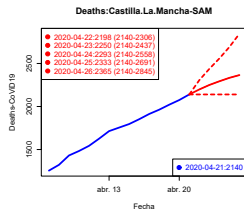
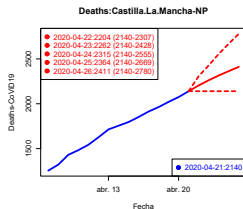
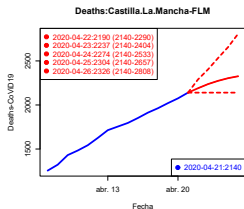


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

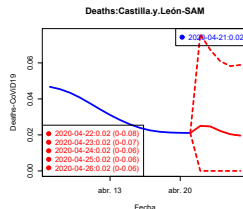
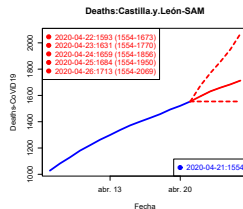
Fallecidos: Castilla-La Mancha



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

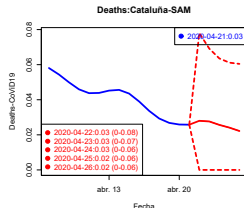
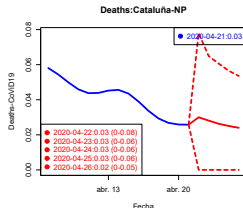
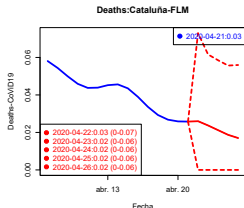
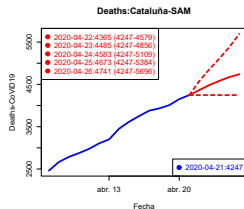
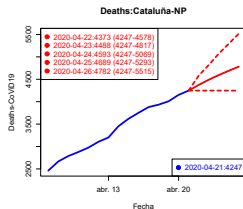
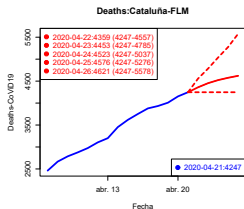
◀ Confirmados

◀ Fallecidos



◀ Confirmados ◀ Fallecidos

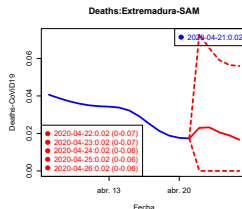
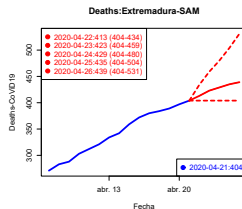
Fallecidos: Cataluña



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

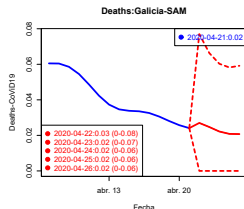
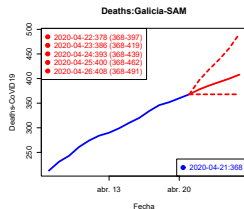
◀ Confirmados

◀ Fallecidos



◀ Confirmados ◀ Fallecidos

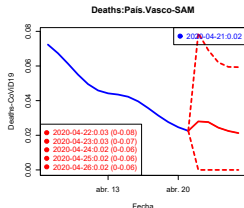
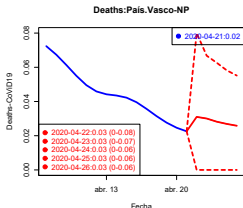
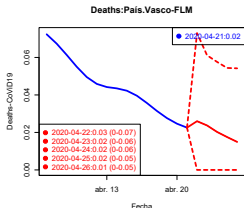
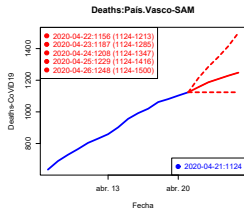
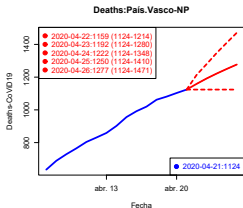
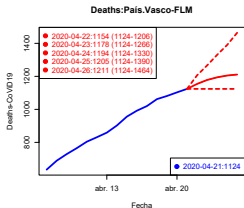
○○



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

◀ Fallecidos

Fallecidos: País Vasco

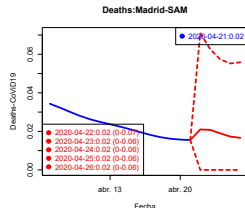
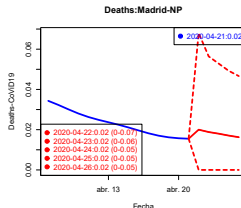
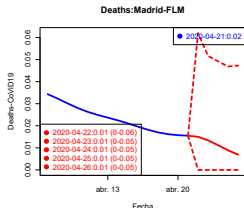
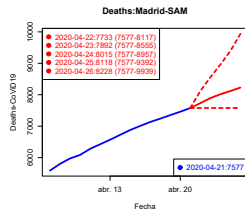
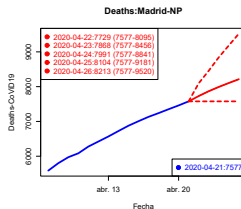
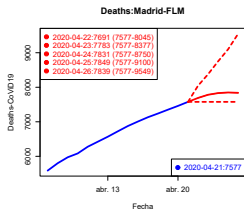


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Madrid



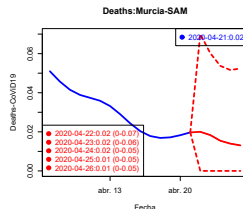
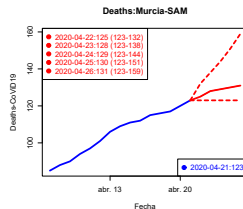
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

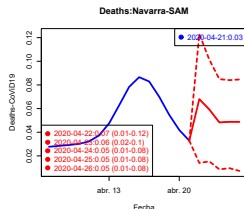
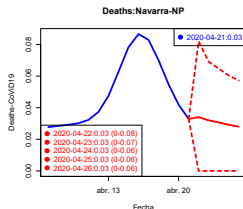
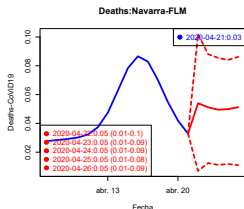
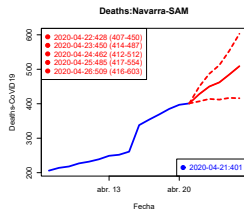
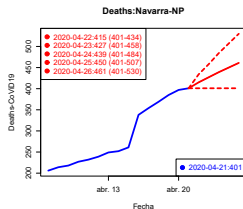
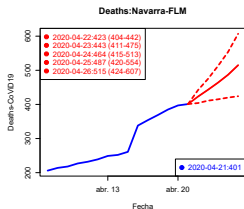
◀ Fallecidos

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

◀ Fallecidos



Fallecidos: Navarra

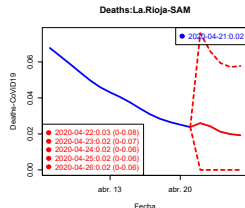
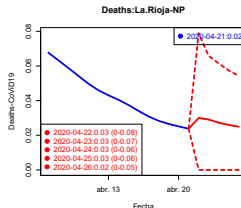
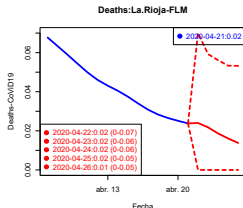
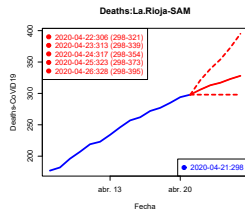
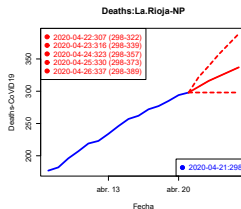
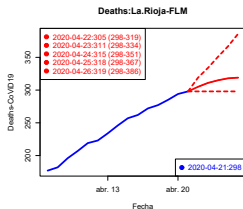


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: La Rioja



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

◀ 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.