

Predicciones sobre CoViD-19

Manuel Febrero-Bande

Dpt. de Estadística, Análisis Matemático y Optimización
Univ. de Santiago de Compostela

May 5, 2020



DEPARTAMENTO DE ESTATÍSTICA,
ANÁLISE MATEMÁTICA E OPTIMIZACIÓN



- Predicciones

- Predicciones Fallecidos

Datos

Número de datos funcionales: 5546

Países/Regiones distintos incorporados: 171

Predicciones:

- ▶ España
- ▶ Andalucía
- ▶ Aragón
- ▶ Asturias
- ▶ I. Baleares
- ▶ Canarias
- ▶ Cantabria
- ▶ Cataluña
- ▶ Castilla-La Mancha
- ▶ Castilla y León
- ▶ C. Valenciana
- ▶ Extremadura
- ▶ País Vasco
- ▶ Galicia
- ▶ Madrid
- ▶ Murcia
- ▶ Navarra
- ▶ La Rioja
- ▶ Mod Lineal
- ▶ Mod NP
- ▶ Mod Aditivo

	σ_R^2			$\sigma_R^2(rob.)$			r^2		
Horiz	FLM	NP	SAM	FLM	NP	SAM	FLM	NP	SAM
H1	0.001	0.001	0.001	0.001	0.001	0.001	0.511	0.732	0.52
H2	0.003	0.002	0.003	0.003	0.002	0.003	0.635	0.806	0.648
H3	0.006	0.004	0.006	0.006	0.004	0.006	0.68	0.828	0.692
H4	0.011	0.007	0.011	0.012	0.007	0.011	0.699	0.837	0.708
H5	0.018	0.01	0.017	0.02	0.012	0.02	0.707	0.84	0.717

Último dato: 2020-05-04 21:00 que se publica 2020-05-05 12:00.

Tabla Previsión Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	250561	252254	253716	254753	255469	255871
Andalucía	14394	14537	14681	14819	14937	15056
Aragón	6282	6367	6449	6524	6585	6645
Asturias	3041	3090	3141	3192	3247	3306
Islas.Baleares	1997	2007	2017	2025	2032	2039
Canarias	2231	2241	2249	2257	2263	2270
Cantabria	2607	2633	2658	2679	2697	2714
Castilla.La.Mancha	21656	21928	22213	22505	22783	23066
Castilla.y.León	21719	22015	22304	22581	22840	23103
Cataluña	51798	52170	52506	52826	53123	53395
Ceuta	155	157	159	161	163	164
Comunidad.Valenciana	12883	13048	13218	13389	13551	13717
Extremadura	3728	3762	3797	3832	3861	3890
Galicia	9953	10041	10125	10205	10277	10350
Madrid	67678	67972	68199	68346	68426	68481
Melilla	131	132	133	135	136	137
Murcia	2051	2086	2120	2154	2187	2221
Navarra	6561	6664	6761	6849	6923	6998
País.Vasco	16426	16626	16818	16991	17136	17284
La.Rioja	5270	5296	5316	5330	5338	5346

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

Tabla Previsión Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	250561	252207	253815	255348	256840	258271
Andalucía	14394	14516	14636	14750	14862	14968
Aragón	6282	6348	6413	6475	6536	6594
Asturias	3041	3073	3105	3135	3166	3195
Islas.Baleares	1997	2003	2009	2015	2020	2026
Canarias	2231	2236	2241	2246	2251	2256
Cantabria	2607	2629	2651	2672	2692	2712
Castilla.La.Mancha	21656	21884	22111	22327	22541	22748
Castilla.y.León	21719	22002	22284	22553	22817	23071
Cataluña	51798	52117	52428	52723	53010	53284
Ceuta	155	157	159	161	163	165
Comunidad.Valenciana	12883	12994	13103	13208	13311	13410
Extremadura	3728	3744	3760	3775	3790	3805
Galicia	9953	10010	10066	10119	10170	10220
Madrid	67678	67881	68081	68276	68468	68660
Melilla	131	132	133	133	134	135
Murcia	2051	2066	2081	2096	2110	2124
Navarra	6561	6656	6751	6842	6933	7024
País.Vasco	16426	16604	16781	16949	17114	17273
La.Rioja	5270	5302	5333	5362	5391	5418

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

Tabla Previsión Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	250561	252491	254186	255659	256849	258034
Andalucía	14394	14515	14638	14743	14840	14925
Aragón	6282	6357	6430	6492	6539	6567
Asturias	3041	3088	3134	3179	3221	3268
Islas.Baleares	1997	2004	2010	2014	2018	2022
Canarias	2231	2236	2241	2244	2247	2251
Cantabria	2607	2628	2648	2663	2672	2678
Castilla.La.Mancha	21656	21900	22179	22435	22701	22979
Castilla.y.León	21719	22003	22279	22529	22748	22960
Cataluña	51798	52134	52397	52650	52891	53150
Ceuta	155	157	159	161	162	162
Comunidad.Valenciana	12883	13031	13190	13336	13481	13628
Extremadura	3728	3756	3788	3815	3842	3866
Galicia	9953	10032	10103	10167	10220	10276
Madrid	67678	67896	68043	68141	68120	68112
Melilla	131	132	133	134	135	136
Murcia	2051	2085	2115	2144	2172	2196
Navarra	6561	6656	6738	6811	6865	6899
País.Vasco	16426	16601	16771	16909	17001	17074
La.Rioja	5270	5289	5307	5317	5307	5302

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	0.007	0.007	0.013	0.017	0.020	0.021
Andalucía	0.007	0.010	0.020	0.030	0.038	0.046
Aragón	0.008	0.014	0.027	0.039	0.048	0.058
Asturias	0.019	0.016	0.033	0.050	0.068	0.087
Islas.Baleares	0.003	0.005	0.010	0.014	0.017	0.021
Canarias	0.003	0.004	0.008	0.012	0.014	0.017
Cantabria	0.006	0.010	0.019	0.028	0.034	0.041
Castilla.La.Mancha	0.012	0.013	0.026	0.039	0.052	0.065
Castilla.y.León	0.012	0.014	0.027	0.040	0.052	0.064
Cataluña	0.007	0.007	0.014	0.020	0.026	0.031
Ceuta	0.010	0.015	0.029	0.041	0.051	0.061
Comunidad.Valenciana	0.011	0.013	0.026	0.039	0.052	0.065
Extremadura	0.006	0.009	0.019	0.028	0.036	0.044
Galicia	0.007	0.009	0.017	0.025	0.033	0.040
Madrid	0.002	0.004	0.008	0.010	0.011	0.012
Melilla	0.010	0.009	0.018	0.028	0.038	0.049
Murcia	0.016	0.017	0.034	0.050	0.066	0.083
Navarra	0.011	0.016	0.031	0.044	0.055	0.067
País.Vasco	0.008	0.012	0.024	0.034	0.043	0.052
La.Rioja	0.002	0.005	0.009	0.011	0.013	0.014

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	0.007	0.007	0.013	0.019	0.025	0.031
Andalucía	0.007	0.008	0.017	0.025	0.032	0.040
Aragón	0.008	0.010	0.021	0.031	0.040	0.050
Asturias	0.019	0.011	0.021	0.031	0.041	0.051
Islas.Baleares	0.003	0.003	0.006	0.009	0.012	0.015
Canarias	0.003	0.002	0.004	0.007	0.009	0.011
Cantabria	0.006	0.009	0.017	0.025	0.033	0.040
Castilla.La.Mancha	0.012	0.011	0.021	0.031	0.041	0.050
Castilla.y.León	0.012	0.013	0.026	0.038	0.051	0.062
Cataluña	0.007	0.006	0.012	0.018	0.023	0.029
Ceuta	0.010	0.013	0.027	0.039	0.052	0.064
Comunidad.Valenciana	0.011	0.009	0.017	0.025	0.033	0.041
Extremadura	0.006	0.004	0.009	0.013	0.017	0.021
Galicia	0.007	0.006	0.011	0.017	0.022	0.027
Madrid	0.002	0.003	0.006	0.009	0.012	0.015
Melilla	0.010	0.006	0.012	0.018	0.023	0.029
Murcia	0.016	0.007	0.015	0.022	0.029	0.036
Navarra	0.011	0.014	0.029	0.043	0.057	0.070
País.Vasco	0.008	0.011	0.022	0.032	0.042	0.052
La.Rioja	0.002	0.006	0.012	0.018	0.023	0.028

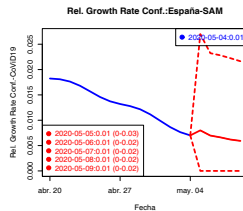
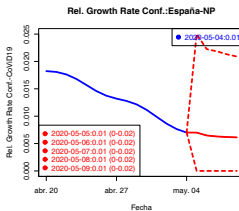
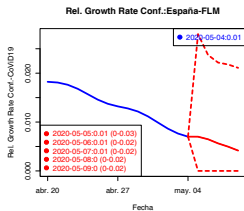
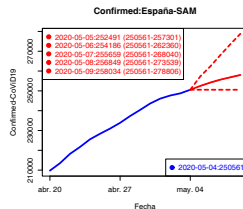
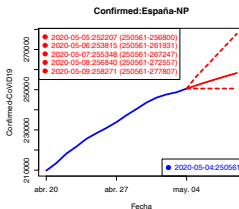
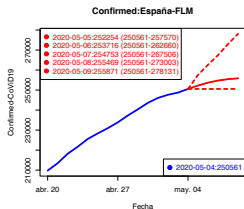
Table: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
– 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.007	0.008	0.014	0.020	0.025	0.030
Andalucía	0.007	0.008	0.017	0.024	0.031	0.037
Aragón	0.008	0.012	0.023	0.033	0.041	0.045
Asturias	0.019	0.015	0.031	0.045	0.059	0.074
Islas.Baleares	0.003	0.004	0.006	0.009	0.011	0.013
Canarias	0.003	0.002	0.004	0.006	0.007	0.009
Cantabria	0.006	0.008	0.016	0.022	0.025	0.027
Castilla.La.Mancha	0.012	0.011	0.024	0.036	0.048	0.061
Castilla.y.León	0.012	0.013	0.026	0.037	0.047	0.057
Cataluña	0.007	0.006	0.012	0.016	0.021	0.026
Ceuta	0.010	0.014	0.025	0.036	0.043	0.046
Comunidad.Valenciana	0.011	0.011	0.024	0.035	0.046	0.058
Extremadura	0.006	0.008	0.016	0.023	0.031	0.037
Galicia	0.007	0.008	0.015	0.021	0.027	0.032
Madrid	0.002	0.003	0.005	0.007	0.007	0.006
Melilla	0.010	0.007	0.016	0.023	0.031	0.041
Murcia	0.016	0.016	0.031	0.045	0.059	0.071
Navarra	0.011	0.014	0.027	0.038	0.046	0.051
País.Vasco	0.008	0.011	0.021	0.029	0.035	0.039
La.Rioja	0.002	0.004	0.007	0.009	0.007	0.006

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

Confirmados: España

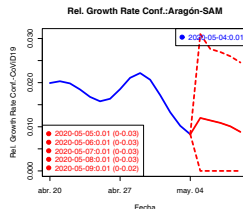
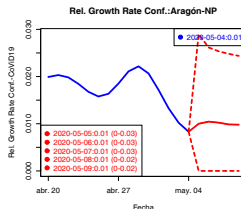
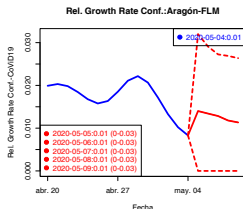
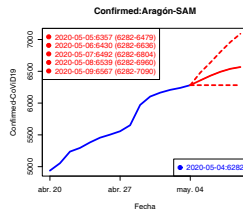
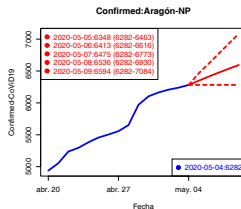
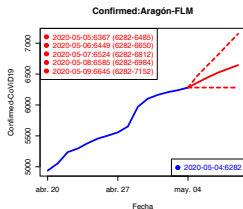


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Aragón

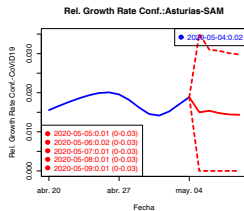
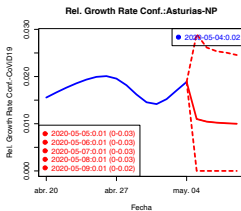
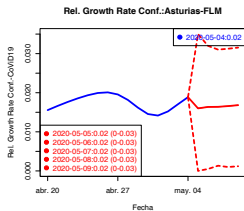
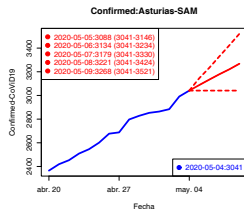
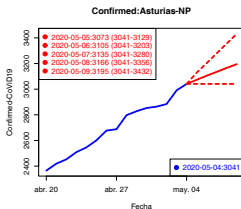
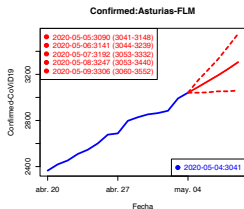


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Asturias

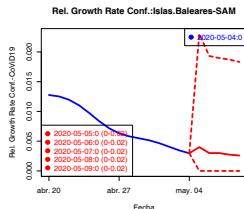
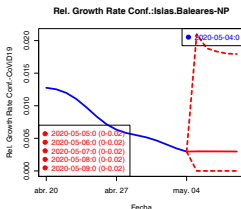
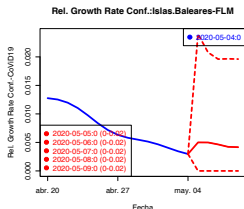
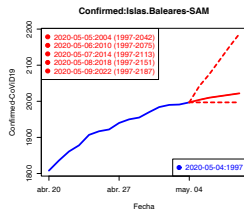
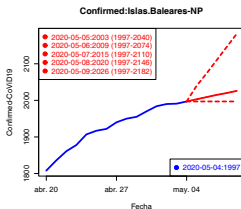
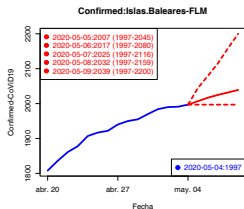


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Islas Baleares

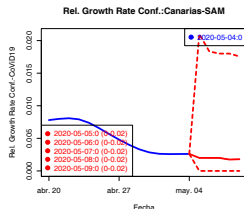
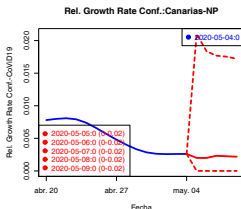
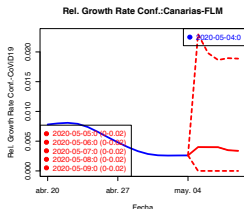
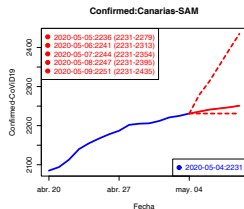
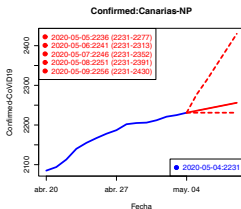
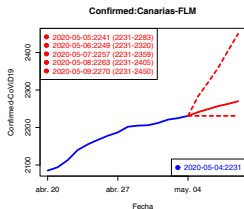


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Canarias

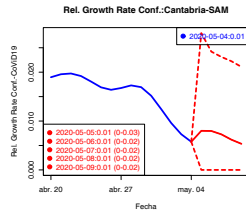
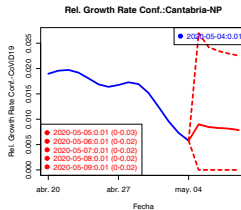
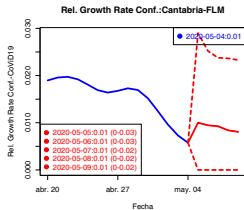
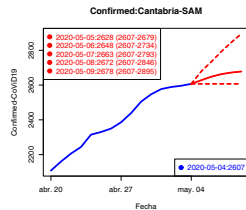
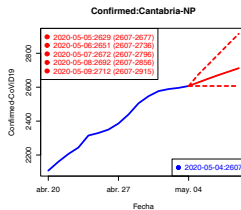
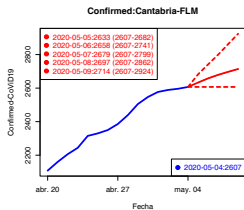


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cantabria

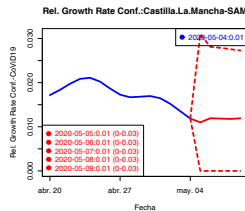
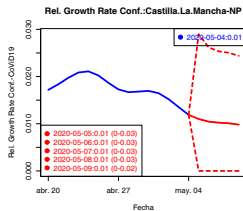
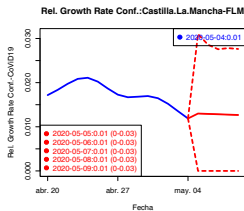
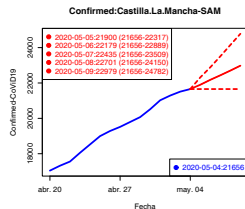
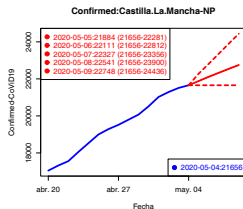
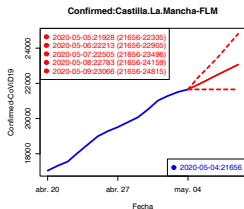


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla-La Mancha

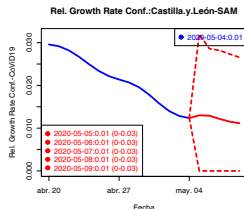
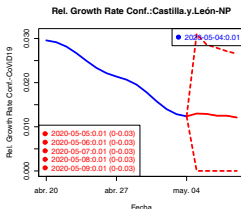
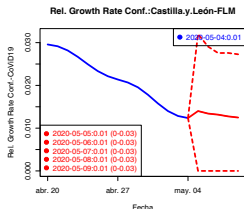
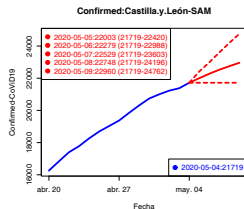
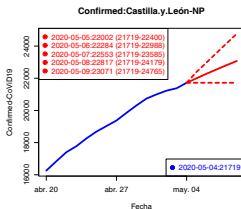
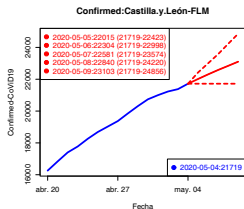


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla y León



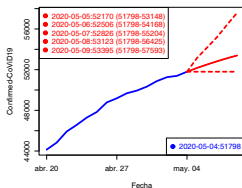
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

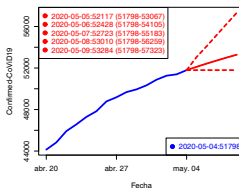
◀ Fallecidos

Confirmados: Cataluña

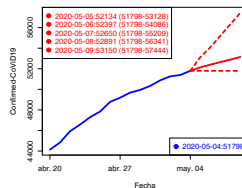
Confirmed:Cataluña-FLM



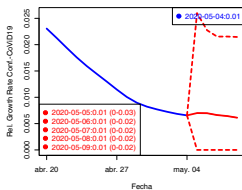
Confirmed:Cataluña-NP



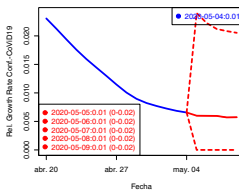
Confirmed:Cataluña-SAM



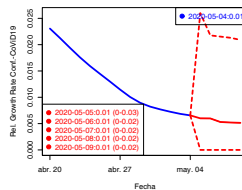
Rel. Growth Rate Conf.:Cataluña-FLM



Rel. Growth Rate Conf.:Cataluña-NP



Rel. Growth Rate Conf.:Cataluña-SAM



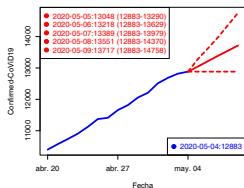
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

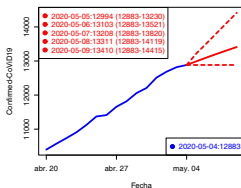
◀ Fallecidos

Confirmados: C. Valenciana

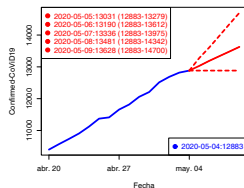
Confirmed:Comunidad.Valenciana-FLM



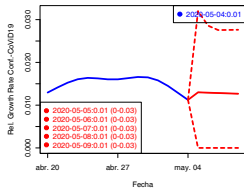
Confirmed:Comunidad.Valenciana-NP



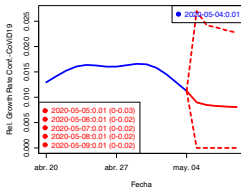
Confirmed:Comunidad.Valenciana-SAM



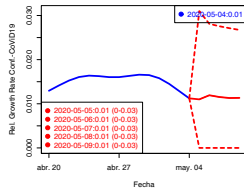
Rel. Growth Rate Conf.:Comunidad.Valenciana-FLM



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



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

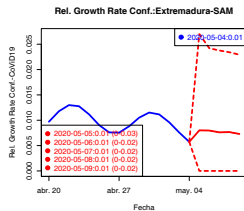
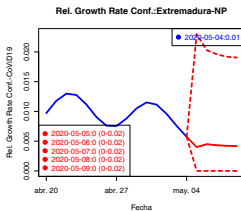
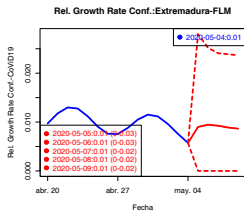
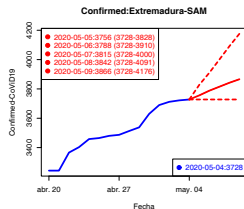
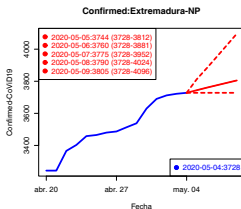
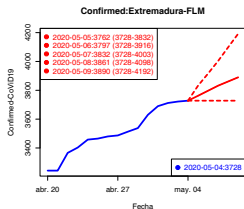


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Extremadura



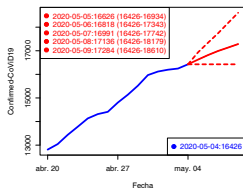
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

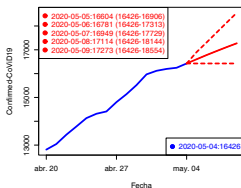
◀ Fallecidos

Confirmados: País Vasco

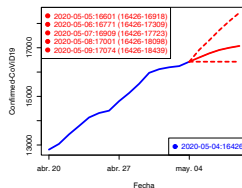
Confirmed:País.Vasco-FLM



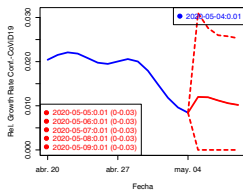
Confirmed:País.Vasco-NP



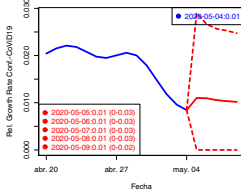
Confirmed:País.Vasco-SAM



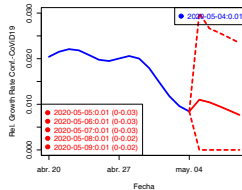
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Rel. Growth Rate Conf.:País.Vasco-NP



Rel. Growth Rate Conf.:País.Vasco-SAM

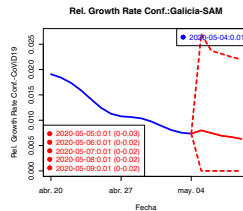
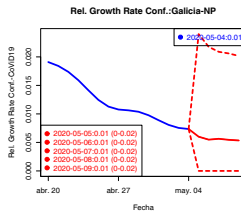
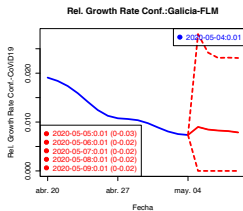
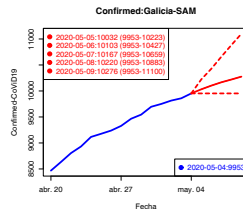
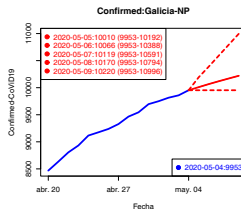
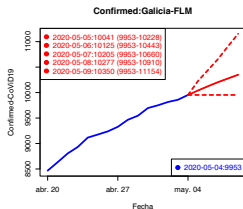


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia

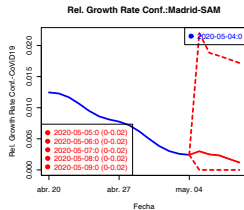
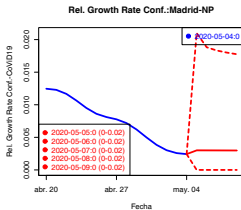
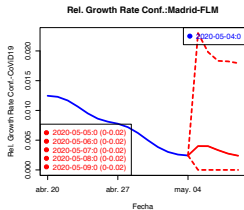
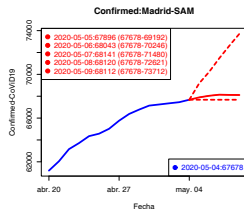
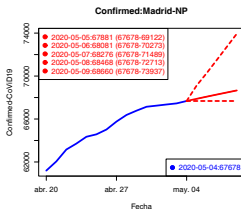
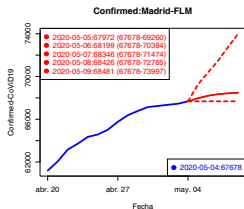


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid

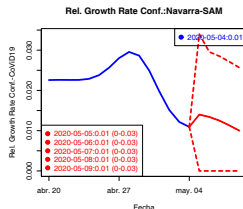
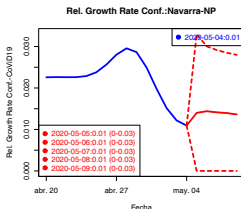
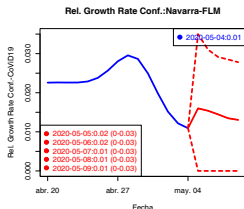
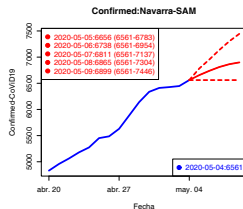
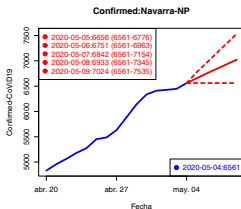
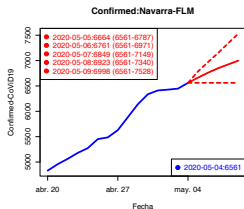


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Navarra

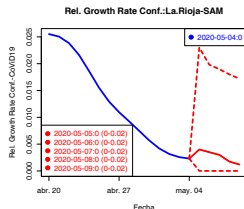
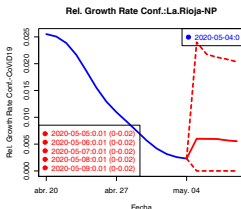
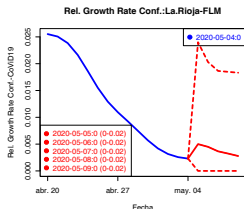
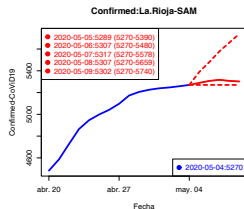
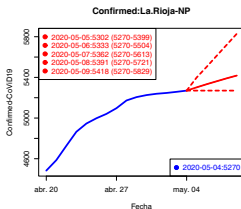
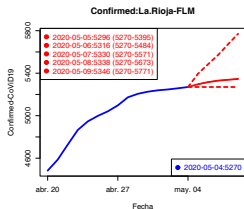


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ 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: 7862

Países/Regiones distintos incorporados: 104

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	0.001	0.001	0.001	0.001	0.001	0.001	0.489	0.485	0.515
H2	0.002	0.002	0.002	0.002	0.002	0.002	0.612	0.603	0.651
H3	0.004	0.005	0.004	0.006	0.005	0.005	0.667	0.653	0.714
H4	0.007	0.008	0.006	0.01	0.009	0.008	0.698	0.68	0.751
H5	0.011	0.012	0.009	0.017	0.014	0.013	0.712	0.69	0.767

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	25613	25905	26161	26373	26543	26704
Andalucía	1267	1282	1296	1307	1316	1325
Aragón	770	777	783	787	791	794
Asturias	284	288	291	294	297	299
Islas.Baleares	198	201	203	205	207	208
Canarias	142	143	145	146	147	148
Cantabria	198	200	201	203	203	204
Castilla.La.Mancha	2616	2650	2681	2710	2734	2757
Castilla.y.León	1832	1852	1869	1884	1896	1907
Cataluña	5270	5346	5414	5471	5520	5567
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1279	1292	1303	1312	1320	1327
Extremadura	462	467	472	476	479	481
Galicia	573	593	612	626	638	651
Madrid	8420	8493	8554	8601	8634	8664
Melilla	2	2	2	2	2	2
Murcia	136	137	138	139	140	141
Navarra	471	476	480	484	487	489
País.Vasco	1353	1368	1381	1392	1401	1409
La.Rioja	336	339	341	342	343	343

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

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	25613	26048	26460	26855	27221	27581
Andalucía	1267	1289	1310	1330	1349	1367
Aragón	770	783	795	807	818	829
Asturias	284	290	295	300	305	310
Islas.Baleares	198	201	205	208	211	214
Canarias	142	144	147	149	151	153
Cantabria	198	201	205	208	211	214
Castilla.La.Mancha	2616	2662	2707	2749	2788	2827
Castilla.y.León	1832	1863	1893	1921	1947	1973
Cataluña	5270	5365	5455	5541	5622	5701
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1279	1300	1320	1339	1357	1375
Extremadura	462	470	477	484	490	496
Galicia	573	586	599	611	623	635
Madrid	8420	8555	8683	8805	8918	9029
Melilla	2	2	2	2	2	2
Murcia	136	138	140	142	144	146
Navarra	471	479	487	494	500	507
País.Vasco	1353	1376	1399	1420	1440	1459
La.Rioja	336	342	347	352	356	361

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

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	25613	25870	26144	26404	26621	26847
Andalucía	1267	1280	1294	1307	1316	1327
Aragón	770	777	785	790	798	805
Asturias	284	288	291	293	295	296
Islas.Baleares	198	200	203	205	206	207
Canarias	142	143	145	146	147	149
Cantabria	198	200	202	203	204	205
Castilla.La.Mancha	2616	2646	2677	2703	2728	2755
Castilla.y.León	1832	1851	1872	1890	1907	1926
Cataluña	5270	5335	5394	5445	5480	5516
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1279	1292	1308	1323	1338	1352
Extremadura	462	467	473	479	484	488
Galicia	573	586	597	614	620	618
Madrid	8420	8485	8568	8654	8729	8808
Melilla	2	2	2	2	2	2
Murcia	136	137	139	141	143	144
Navarra	471	476	481	486	493	499
País.Vasco	1353	1367	1380	1391	1403	1417
La.Rioja	336	338	341	344	345	346

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

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.008	0.011	0.021	0.030	0.036	0.043
Andalucía	0.006	0.012	0.023	0.032	0.039	0.046
Aragón	0.006	0.009	0.016	0.023	0.027	0.031
Asturias	0.008	0.013	0.026	0.036	0.044	0.052
Islas.Baleares	0.006	0.014	0.026	0.036	0.044	0.051
Canarias	0.008	0.010	0.019	0.027	0.034	0.041
Cantabria	0.008	0.009	0.017	0.023	0.028	0.031
Castilla.La.Mancha	0.011	0.013	0.025	0.036	0.045	0.054
Castilla.y.León	0.009	0.011	0.020	0.028	0.035	0.041
Cataluña	0.010	0.014	0.027	0.038	0.047	0.056
Ceuta	0.000	0.003	0.005	0.005	0.003	0.001
Comunidad.Valenciana	0.007	0.010	0.019	0.026	0.032	0.038
Extremadura	0.005	0.011	0.021	0.029	0.036	0.042
Galicia	0.010	0.035	0.067	0.092	0.114	0.137
Madrid	0.006	0.009	0.016	0.022	0.025	0.029
Melilla	0.000	0.004	0.007	0.008	0.008	0.007
Murcia	0.009	0.009	0.018	0.025	0.031	0.036
Navarra	0.008	0.011	0.020	0.027	0.033	0.038
País.Vasco	0.008	0.011	0.021	0.029	0.035	0.041
La.Rioja	0.002	0.008	0.015	0.018	0.020	0.020

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

Tabla Ratio Incr. Fallecidos: Mod. No Paramétrico.

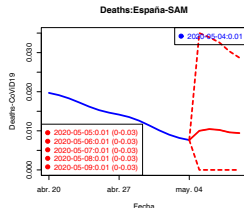
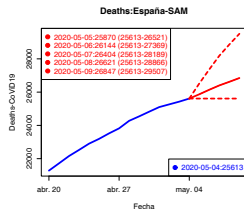
	Last	H1	H2	H3	H4	H5
España	0.008	0.017	0.033	0.048	0.063	0.077
Andalucía	0.006	0.017	0.034	0.050	0.064	0.079
Aragón	0.006	0.017	0.033	0.048	0.062	0.076
Asturias	0.008	0.020	0.039	0.057	0.074	0.091
Islas.Baleares	0.006	0.017	0.034	0.050	0.064	0.079
Canarias	0.008	0.017	0.032	0.047	0.061	0.075
Cantabria	0.008	0.017	0.034	0.049	0.064	0.078
Castilla.La.Mancha	0.011	0.018	0.035	0.051	0.066	0.081
Castilla.y.León	0.009	0.017	0.033	0.048	0.063	0.077
Cataluña	0.010	0.018	0.035	0.051	0.067	0.082
Ceuta	0.000	0.015	0.029	0.042	0.054	0.066
Comunidad.Valenciana	0.007	0.017	0.032	0.047	0.061	0.075
Extremadura	0.005	0.016	0.032	0.047	0.061	0.074
Galicia	0.010	0.023	0.045	0.067	0.088	0.109
Madrid	0.006	0.016	0.031	0.046	0.059	0.072
Melilla	0.000	0.015	0.029	0.042	0.054	0.066
Murcia	0.009	0.016	0.031	0.046	0.059	0.073
Navarra	0.008	0.017	0.033	0.048	0.062	0.076
País.Vasco	0.008	0.017	0.034	0.049	0.064	0.078
La.Rioja	0.002	0.016	0.032	0.047	0.061	0.074

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

Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

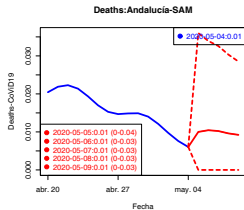
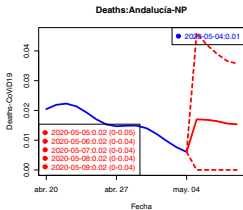
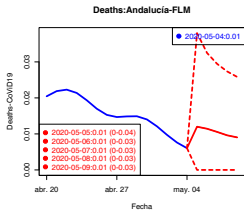
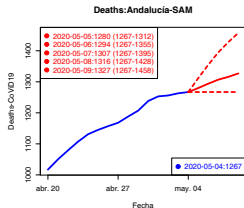
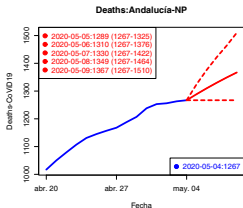
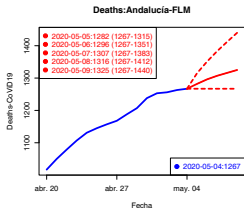
	Last	H1	H2	H3	H4	H5
España	0.008	0.010	0.021	0.031	0.039	0.048
Andalucía	0.006	0.010	0.021	0.031	0.039	0.047
Aragón	0.006	0.009	0.019	0.026	0.036	0.046
Asturias	0.008	0.013	0.024	0.031	0.038	0.043
Islas.Baleares	0.006	0.012	0.023	0.033	0.039	0.046
Canarias	0.008	0.010	0.021	0.029	0.037	0.047
Cantabria	0.008	0.010	0.019	0.023	0.030	0.038
Castilla.La.Mancha	0.011	0.012	0.023	0.033	0.043	0.053
Castilla.y.León	0.009	0.010	0.022	0.032	0.041	0.051
Cataluña	0.010	0.012	0.024	0.033	0.040	0.047
Ceuta	0.000	0.006	0.018	0.036	0.056	0.073
Comunidad.Valenciana	0.007	0.010	0.022	0.035	0.046	0.057
Extremadura	0.005	0.011	0.024	0.037	0.048	0.057
Galicia	0.010	0.022	0.043	0.072	0.082	0.079
Madrid	0.006	0.008	0.018	0.028	0.037	0.046
Melilla	0.000	0.006	0.020	0.039	0.054	0.066
Murcia	0.009	0.009	0.021	0.034	0.048	0.062
Navarra	0.008	0.010	0.021	0.032	0.046	0.060
País.Vasco	0.008	0.010	0.020	0.028	0.037	0.047
La.Rioja	0.002	0.007	0.015	0.023	0.026	0.029

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



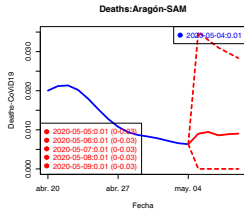
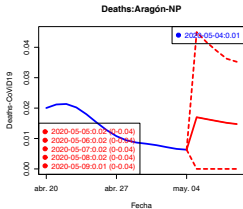
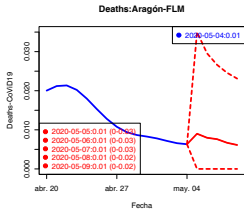
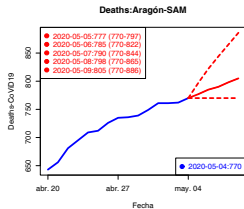
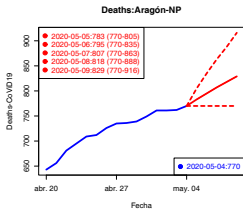
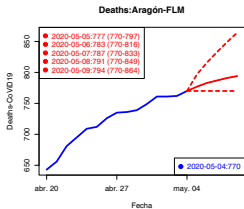
◀ Confirmados ◀ Fallecidos

Fallecidos: Andalucía



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

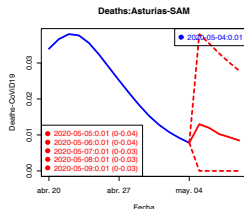
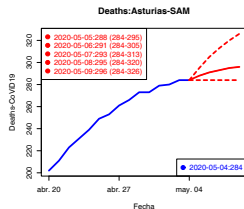
Fallecidos: Aragón



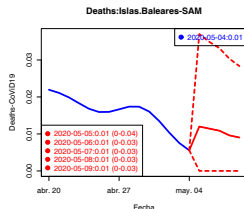
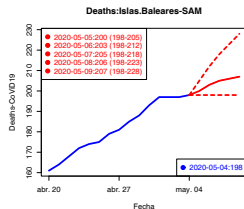
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

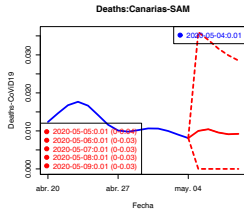
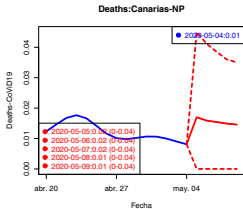
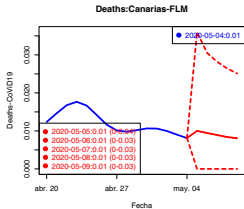
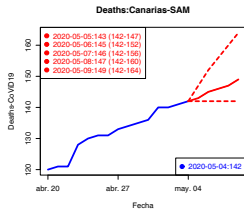
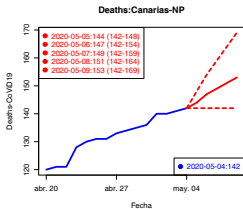
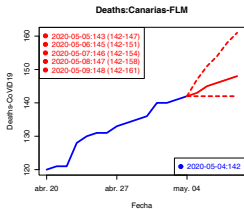


◀ Confirmados ◀ Fallecidos

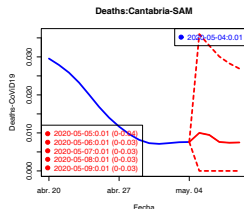
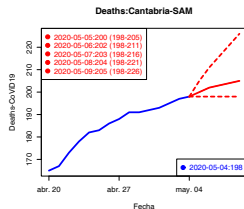


◀ Confirmados ▶ Fallecidos

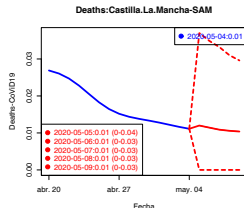
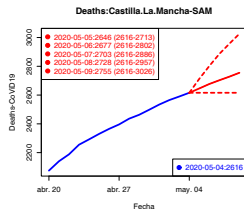
Fallecidos: Canarias



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

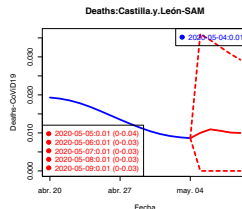
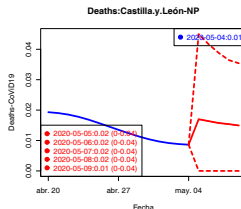
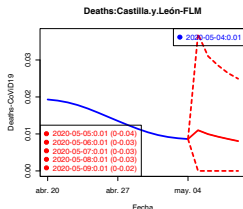
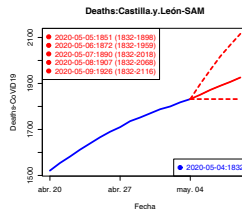
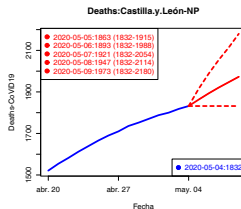
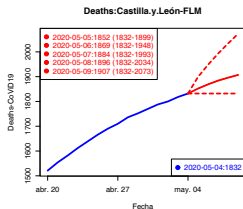


◀ Confirmados ▶ Fallecidos



◀ Confirmados ▶ Fallecidos

Fallecidos: Castilla y León

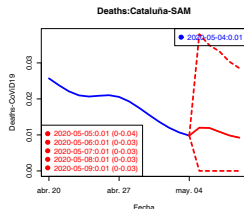
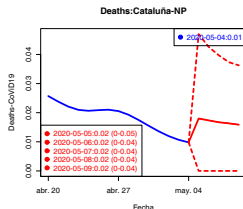
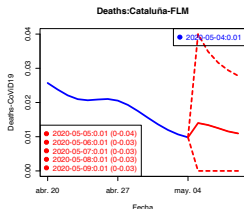
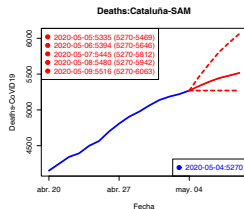
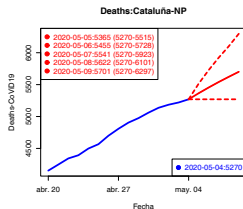
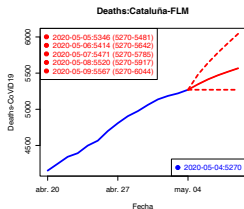


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

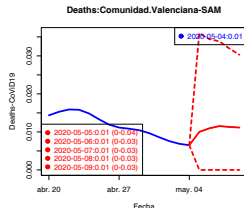
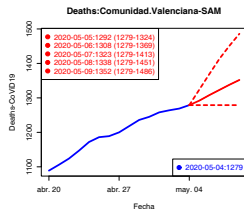
Fallecidos: Cataluña



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

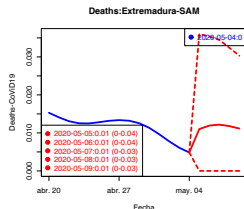
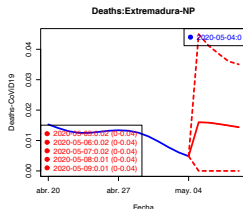
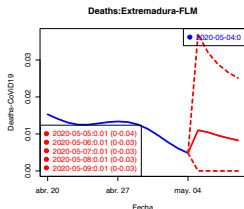
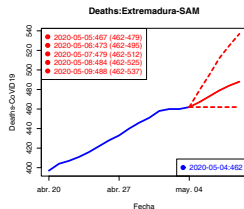
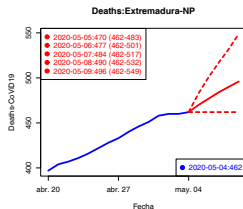
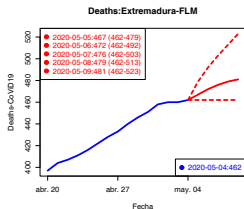
◀ Confirmados

◀ Fallecidos



◀ Confirmados ◀ Fallecidos

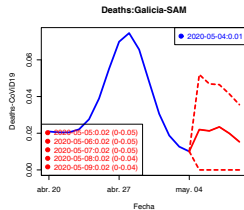
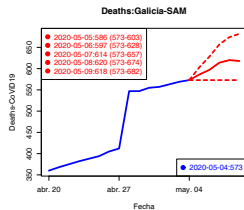
Fallecidos: Extremadura



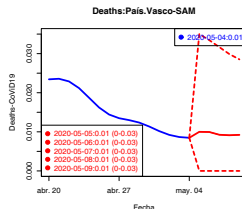
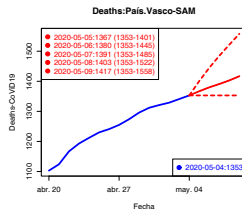
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

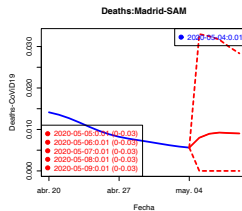
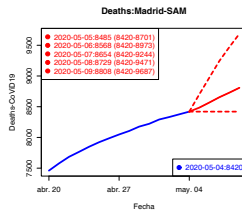
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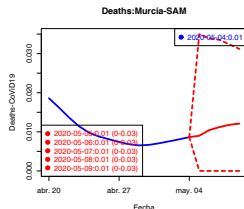
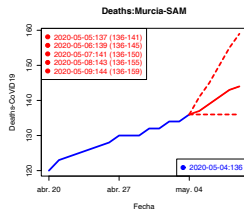
◀ Confirmados ▶ Fallecidos



◀ Confirmados ▶ Fallecidos

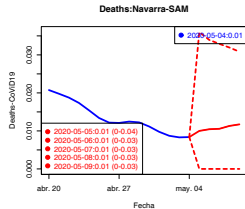
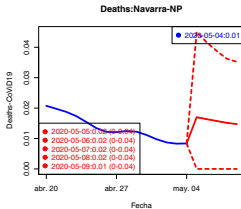
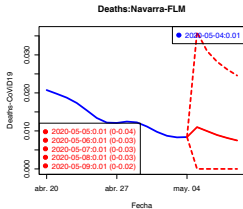
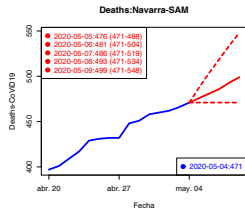
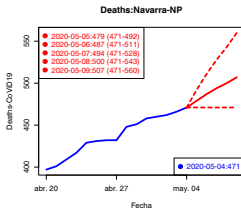
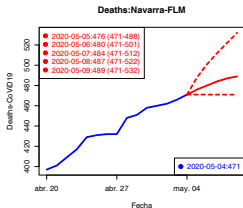


◀ Confirmados ▶ Fallecidos

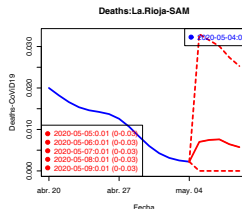
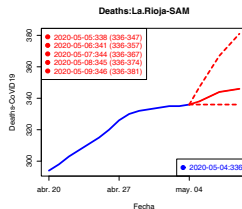


◀ Confirmados ◀ Fallecidos

Fallecidos: Navarra



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.