

Predicciones sobre CoViD-19

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DEPARTAMENTO DE ESTATÍSTICA,
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- Predicciones

- Predicciones Fallecidos

Datos

Número de datos funcionales: 3636

Países/Regiones distintos incorporados: 160

Predicciones:

▶ España

► Andalucía

► Aragón

► Asturias

► I. Balears

► **Canarias**

► Cantabria

► **Cataluña**

► **Castilla-La Mancha**

▶ Castilla y León

► C. Valenciana

► Extremadura

▶ País Vasco

▶ Galicia

▶ Madrid

► Murcia

▶ Navarra

► La Rioja

► Mod Lineal

▶ Mod NP

► Mod Aditivo

	σ_R^2			$\sigma_R^2(rob.)$			r^2		
Horiz	FLM	NP	SAM	FLM	NP	SAM	FLM	NP	SAM
H1	0.005	0.001	0.004	0.003	0.001	0.003	0.439	0.901	0.452
H2	0.012	0.003	0.011	0.01	0.002	0.01	0.58	0.925	0.601
H3	0.026	0.006	0.024	0.024	0.005	0.022	0.628	0.934	0.648
H4	0.054	0.013	0.05	0.051	0.01	0.047	0.623	0.932	0.646
H5	0.101	0.023	0.094	0.092	0.016	0.086	0.61	0.932	0.637

Último dato: 2020-04-17 21:00 que se publica 2020-04-18 12:00.

Tabla Previsión Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	191726	194503	197208	200239	203795	207486
Andalucía	11020	11192	11348	11502	11663	11821
Aragón	4761	4884	5008	5144	5294	5450
Asturias	2272	2333	2398	2468	2546	2628
Islas.Baleares	1748	1790	1838	1892	1950	2013
Canarias	2035	2058	2078	2097	2114	2131
Cantabria	1990	2039	2094	2153	2217	2284
Castilla.La.Mancha	16349	16808	17254	17744	18295	18857
Castilla.y.León	15293	15814	16369	16975	17636	18345
Cataluña	39943	40968	42068	43264	44574	45946
Ceuta	108	111	113	116	120	123
Comunidad.Valenciana	9795	9955	10106	10257	10408	10565
Extremadura	3081	3179	3286	3405	3536	3676
Galicia	8084	8214	8331	8445	8563	8676
Madrid	52946	53903	54845	55879	57039	58256
Melilla	104	105	106	106	106	106
Murcia	1638	1673	1708	1747	1790	1836
Navarra	4556	4660	4772	4888	5010	5137
País.Vasco	12355	12633	12918	13224	13552	13897
La.Rioja	3648	3704	3746	3785	3826	3866

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

Tabla Previsión Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	191726	195538	199467	204389	209629	215963
Andalucía	11020	11191	11372	11596	11833	12131
Aragón	4761	4869	4980	5117	5265	5445
Asturias	2272	2346	2431	2532	2652	2808
Islas.Baleares	1748	1776	1808	1848	1895	1954
Canarias	2035	2051	2067	2086	2107	2132
Cantabria	1990	2028	2070	2123	2183	2259
Castilla.La.Mancha	16349	16652	16937	17241	17547	17887
Castilla.y.León	15293	15761	16148	16564	16989	17477
Cataluña	39943	40759	41564	42549	43588	44810
Ceuta	108	110	112	115	118	121
Comunidad.Valenciana	9795	9956	10130	10342	10571	10865
Extremadura	3081	3181	3294	3432	3602	3810
Galicia	8084	8204	8326	8479	8641	8841
Madrid	52946	53924	54977	56331	57795	59578
Melilla	104	105	106	107	109	110
Murcia	1638	1670	1709	1755	1809	1877
Navarra	4556	4645	4737	4852	4975	5126
País.Vasco	12355	12610	12881	13221	13592	14053
La.Rioja	3648	3704	3761	3827	3895	3977

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

Tabla Previsión Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	191726	196181	201204	206293	213852	220304
Andalucía	11020	11171	11320	11490	11755	12002
Aragón	4761	4882	5017	5154	5352	5517
Asturias	2272	2326	2390	2467	2570	2678
Islas.Baleares	1748	1792	1848	1904	1984	2053
Canarias	2035	2055	2076	2098	2137	2170
Cantabria	1990	2039	2099	2160	2243	2308
Castilla.La.Mancha	16349	16801	17363	17967	18778	19550
Castilla.y.León	15293	15825	16402	16967	17739	18405
Cataluña	39943	41033	42332	43646	45552	47193
Ceuta	108	111	114	118	123	127
Comunidad.Valenciana	9795	9934	10072	10178	10428	10606
Extremadura	3081	3180	3295	3401	3557	3677
Galicia	8084	8201	8319	8440	8635	8801
Madrid	52946	54038	55338	56720	58732	60625
Melilla	104	105	105	107	108	110
Murcia	1638	1674	1714	1754	1813	1866
Navarra	4556	4657	4766	4873	5036	5169
País.Vasco	12355	12634	12940	13227	13692	14048
La.Rioja	3648	3694	3732	3787	3859	3949

Table: Previsión número de casos confirmados: Mod. Aditivo - Horizonte 1 – 5 días.

Tabla Ratio Incr. Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.025	0.014	0.029	0.044	0.063	0.082
Andalucía	0.014	0.016	0.030	0.044	0.058	0.073
Aragón	0.027	0.026	0.052	0.080	0.112	0.144
Asturias	0.027	0.027	0.055	0.086	0.121	0.157
Islas.Baleares	0.028	0.024	0.052	0.082	0.116	0.151
Canarias	0.010	0.011	0.021	0.031	0.039	0.047
Cantabria	0.030	0.025	0.052	0.082	0.114	0.147
Castilla.La.Mancha	0.034	0.028	0.055	0.085	0.119	0.153
Castilla.y.León	0.037	0.034	0.070	0.110	0.153	0.200
Cataluña	0.031	0.026	0.053	0.083	0.116	0.150
Ceuta	0.033	0.027	0.050	0.076	0.108	0.136
Comunidad.Valenciana	0.014	0.016	0.032	0.047	0.063	0.079
Extremadura	0.034	0.032	0.066	0.105	0.148	0.193
Galicia	0.015	0.016	0.031	0.045	0.059	0.073
Madrid	0.023	0.018	0.036	0.055	0.077	0.100
Melilla	0.006	0.009	0.015	0.018	0.020	0.020
Murcia	0.021	0.021	0.043	0.066	0.093	0.121
Navarra	0.024	0.023	0.047	0.073	0.100	0.127
País.Vasco	0.024	0.022	0.046	0.070	0.097	0.125
La.Rioja	0.011	0.015	0.027	0.038	0.049	0.060

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

Tabla Ratio Incr. Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	0.025	0.020	0.040	0.066	0.093	0.126
Andalucía	0.014	0.016	0.032	0.052	0.074	0.101
Aragón	0.027	0.023	0.046	0.075	0.106	0.144
Asturias	0.027	0.032	0.070	0.114	0.167	0.236
Islas.Baleares	0.028	0.016	0.035	0.057	0.084	0.118
Canarias	0.010	0.008	0.016	0.025	0.035	0.047
Cantabria	0.030	0.019	0.040	0.067	0.097	0.135
Castilla.La.Mancha	0.034	0.019	0.036	0.055	0.073	0.094
Castilla.y.León	0.037	0.031	0.056	0.083	0.111	0.143
Cataluña	0.031	0.020	0.041	0.065	0.091	0.122
Ceuta	0.033	0.018	0.038	0.060	0.089	0.122
Comunidad.Valenciana	0.014	0.016	0.034	0.056	0.079	0.109
Extremadura	0.034	0.033	0.069	0.114	0.169	0.237
Galicia	0.015	0.015	0.030	0.049	0.069	0.094
Madrid	0.023	0.018	0.038	0.064	0.092	0.125
Melilla	0.006	0.010	0.019	0.031	0.044	0.061
Murcia	0.021	0.020	0.043	0.071	0.104	0.146
Navarra	0.024	0.020	0.040	0.065	0.092	0.125
País.Vasco	0.024	0.021	0.043	0.070	0.100	0.137
La.Rioja	0.011	0.015	0.031	0.049	0.068	0.090

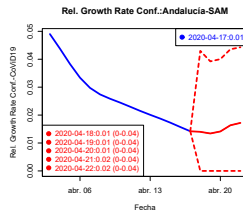
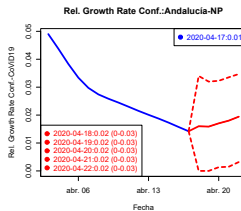
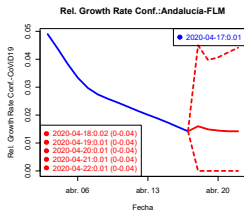
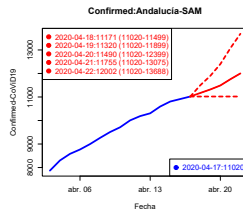
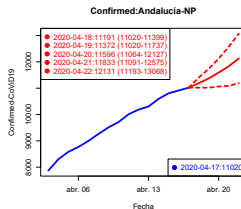
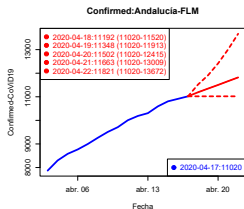
Table: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
- 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.025	0.023	0.049	0.076	0.115	0.149
Andalucía	0.014	0.014	0.027	0.043	0.067	0.089
Aragón	0.027	0.025	0.054	0.083	0.124	0.159
Asturias	0.027	0.024	0.052	0.086	0.131	0.179
Islas.Baleares	0.028	0.025	0.057	0.089	0.135	0.175
Canarias	0.010	0.010	0.020	0.031	0.050	0.066
Cantabria	0.030	0.025	0.055	0.085	0.127	0.160
Castilla.La.Mancha	0.034	0.028	0.062	0.099	0.149	0.196
Castilla.y.León	0.037	0.035	0.073	0.109	0.160	0.203
Cataluña	0.031	0.027	0.060	0.093	0.140	0.181
Ceuta	0.033	0.025	0.056	0.095	0.136	0.177
Comunidad.Valenciana	0.014	0.014	0.028	0.039	0.065	0.083
Extremadura	0.034	0.032	0.070	0.104	0.154	0.193
Galicia	0.015	0.014	0.029	0.044	0.068	0.089
Madrid	0.023	0.021	0.045	0.071	0.109	0.145
Melilla	0.006	0.007	0.014	0.025	0.036	0.053
Murcia	0.021	0.022	0.046	0.071	0.107	0.139
Navarra	0.024	0.022	0.046	0.069	0.105	0.134
País.Vasco	0.024	0.023	0.047	0.071	0.108	0.137
La.Rioja	0.011	0.013	0.023	0.038	0.058	0.083

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

Confirmados: Andalucía

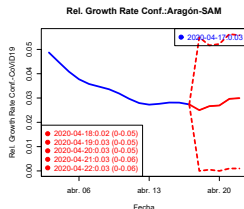
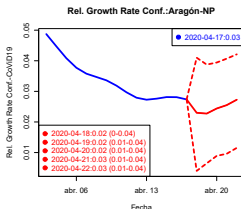
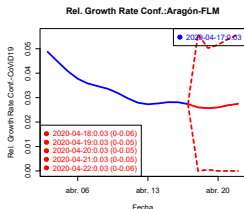
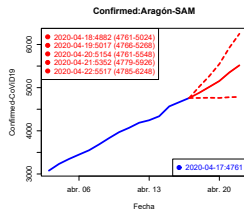
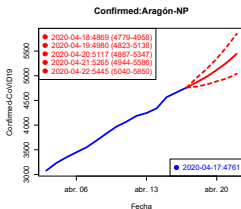
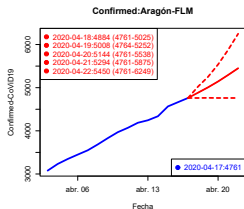


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Aragón

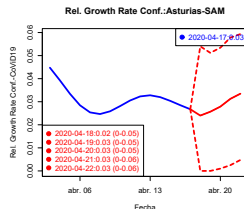
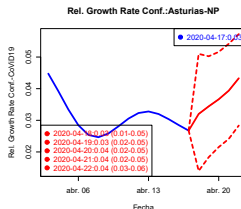
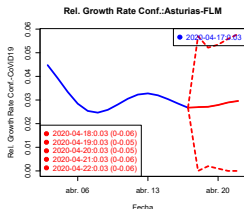
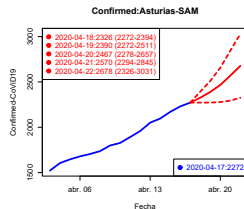
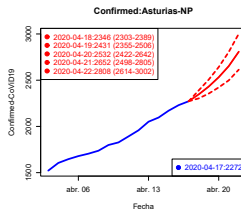
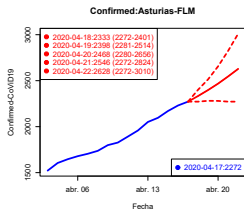


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Asturias

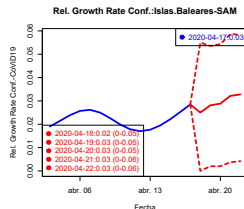
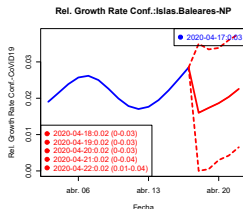
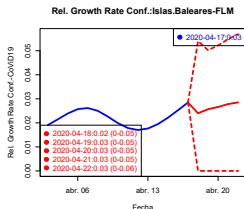
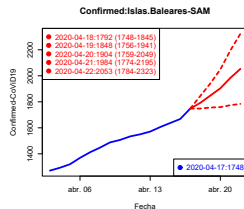
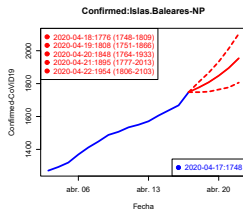
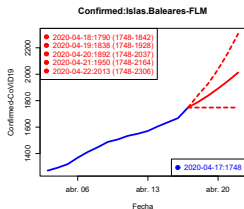


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Islas Baleares

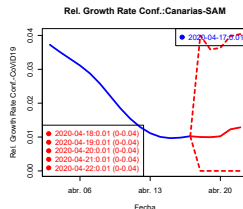
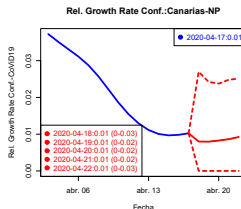
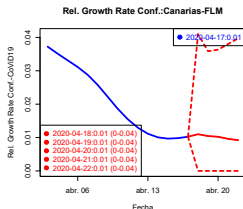
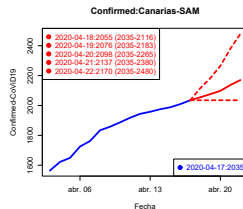
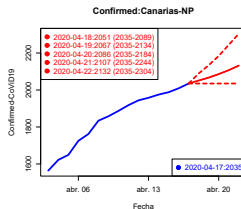
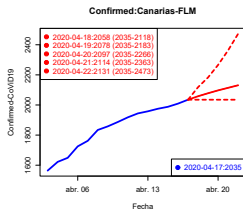


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Canarias

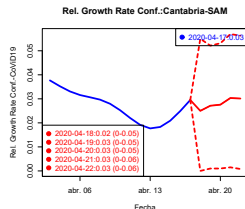
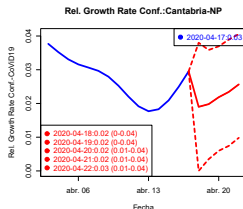
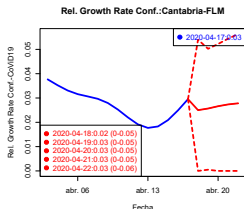
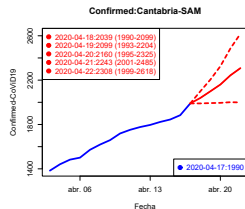
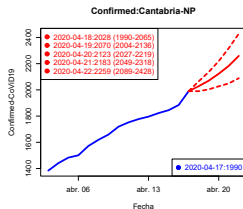
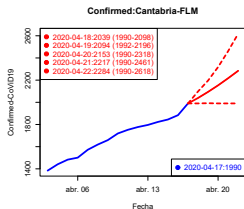


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

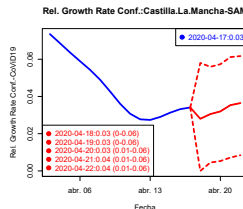
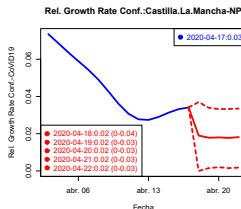
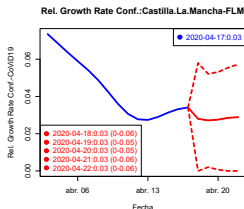
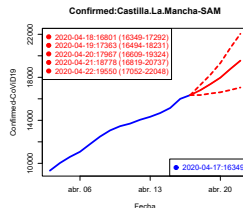
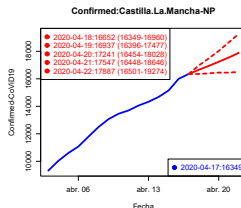
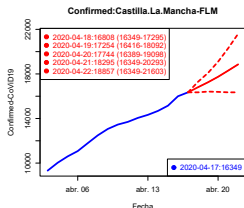
◀ Fallecidos

Confirmados: Cantabria



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

Confirmados: Castilla-La Mancha

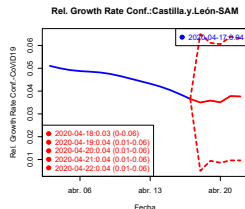
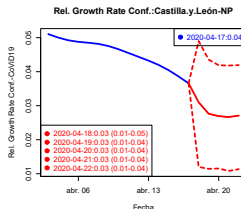
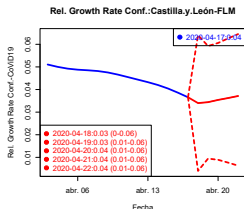
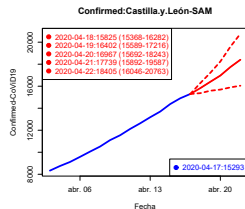
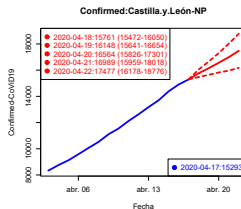
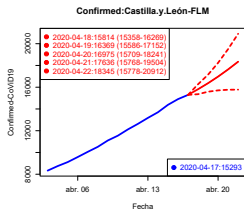


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla y León

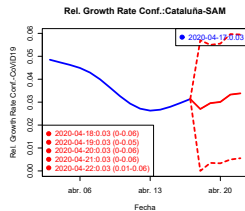
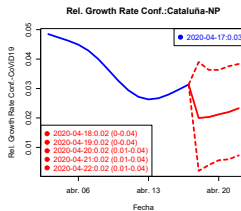
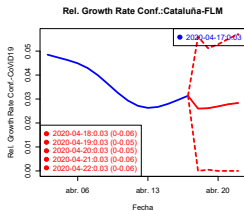
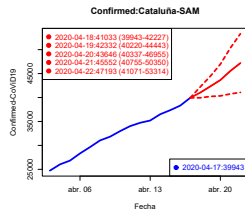
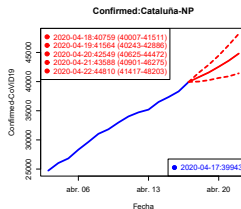
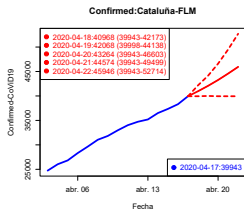


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cataluña



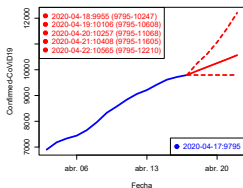
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

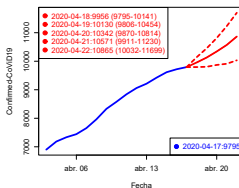
◀ Fallecidos

Confirmados: C. Valenciana

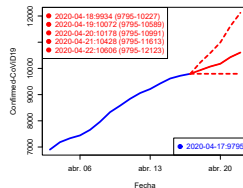
Confirmed:Comunidad.Valenciana-FLM



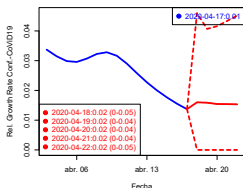
Confirmed:Comunidad.Valenciana-NP



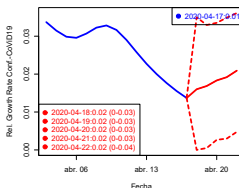
Confirmed:Comunidad.Valenciana-SAM



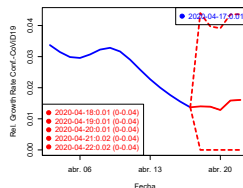
Rel. Growth Rate Conf.:Comunidad.Valenciana-FLM



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



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



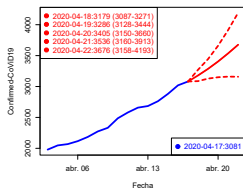
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

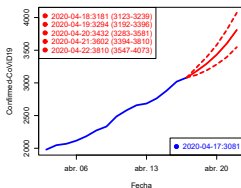
◀ Fallecidos

Confirmados: Extremadura

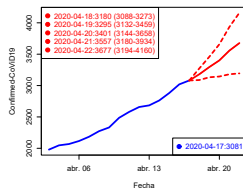
Confirmed:Extremadura-FLM



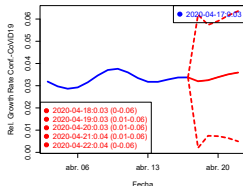
Confirmed:Extremadura-NP



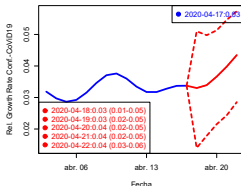
Confirmed:Extremadura-SAM



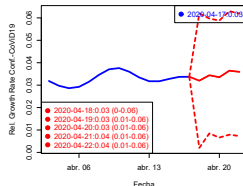
Rel. Growth Rate Conf.:Extremadura-FLM



Rel. Growth Rate Conf.:Extremadura-NP



Rel. Growth Rate Conf.:Extremadura-SAM

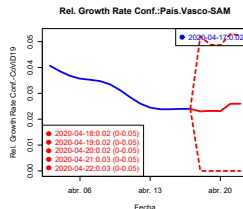
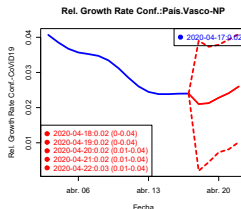
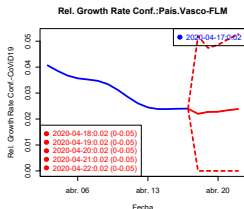
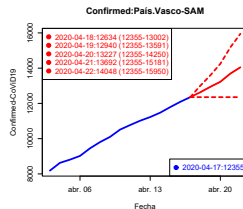
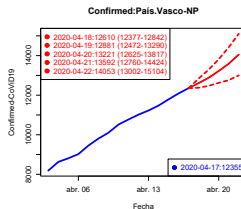
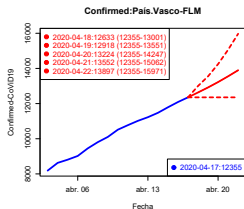


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: País Vasco

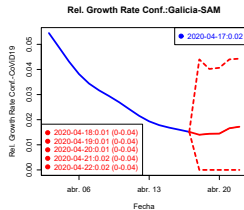
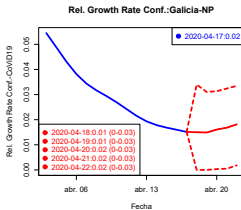
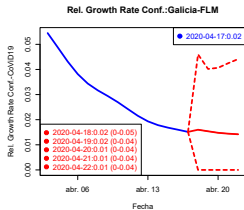
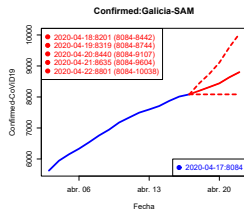
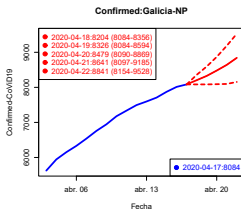
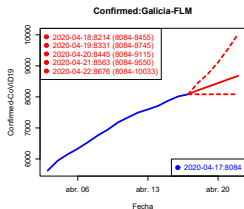


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia

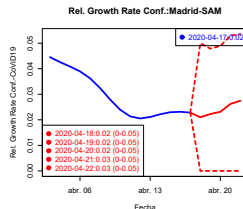
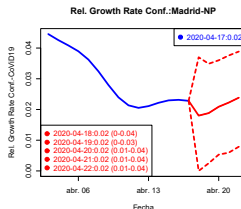
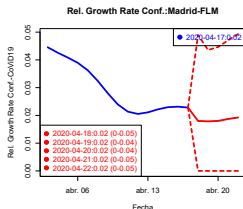
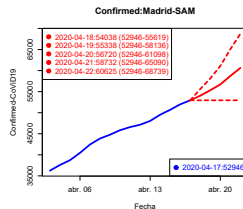
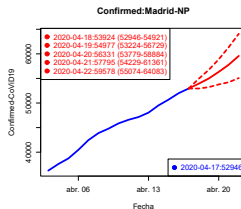
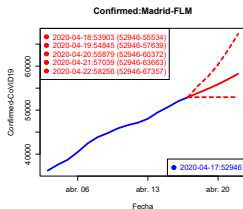


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid

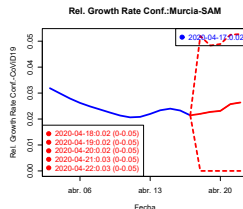
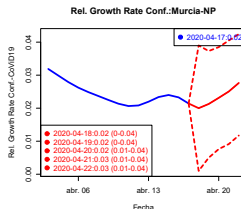
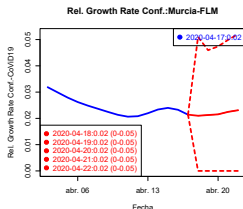
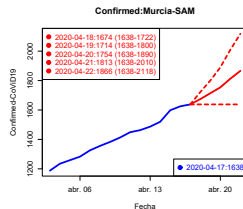
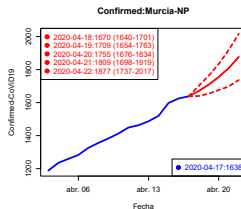
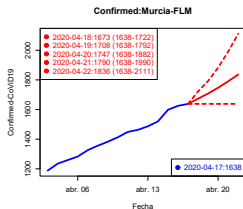


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Murcia

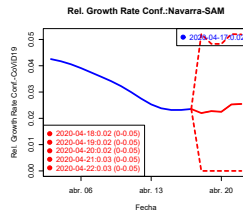
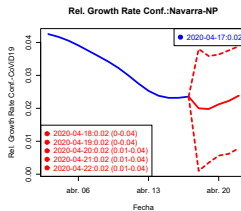
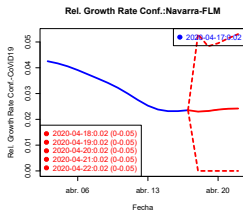
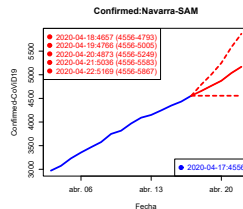
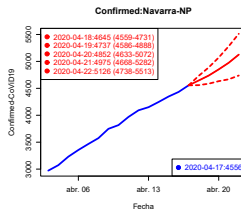
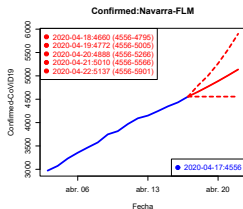


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Navarra

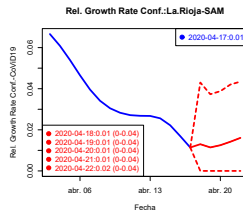
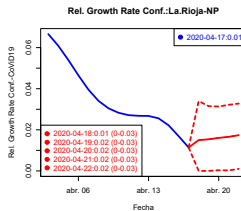
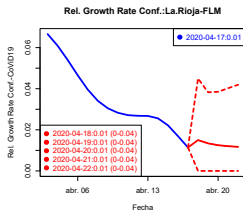
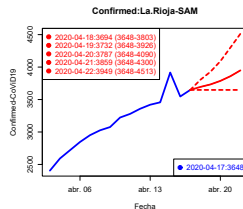
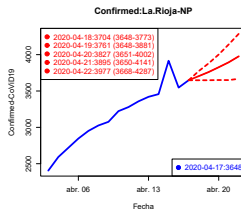
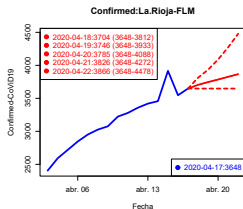


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ 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

17/04/2020: La serie online de fallecidos en Cataluña está en revisión.
En este informe se ha usado la serie de datos guardados anterior.

Número de datos funcionales: 5337

Países/Regiones distintos incorporados: 91

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	0.004	0.003	0.004	0.003	0.002	0.003	0.461	0.62	0.49
H2	0.012	0.007	0.01	0.007	0.005	0.007	0.55	0.759	0.63
H3	0.025	0.013	0.02	0.016	0.009	0.016	0.616	0.816	0.7
H4	0.049	0.024	0.036	0.03	0.017	0.032	0.642	0.831	0.732
H5	0.102	0.046	0.073	0.052	0.027	0.056	0.62	0.837	0.727

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	20043	20434	20777	21032	21241	21464
Andalucía	967	992	1014	1031	1042	1050
Aragón	601	621	642	664	685	706
Asturias	187	194	201	208	214	222
Islas.Baleares	148	154	159	166	172	181
Canarias	115	117	119	121	123	126
Cantabria	149	154	159	165	171	178
Castilla.La.Mancha	1913	1962	2005	2042	2075	2114
Castilla.y.León	1429	1456	1478	1491	1498	1503
Cataluña	3879	3933	3969	3978	3970	3965
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1042	1068	1090	1109	1125	1141
Extremadura	380	388	397	405	413	422
Galicia	334	343	349	354	356	357
Madrid	7132	7234	7320	7372	7409	7452
Melilla	2	2	2	2	2	2
Murcia	115	117	118	118	116	115
Navarra	354	373	395	423	455	490
País.Vasco	1020	1050	1080	1108	1136	1166
La.Rioja	272	279	286	291	295	298

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

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	20043	20542	21030	21494	21970	22430
Andalucía	967	1004	1038	1073	1109	1143
Aragón	601	625	648	670	693	715
Asturias	187	194	202	209	216	222
Islas.Baleares	148	153	157	162	166	170
Canarias	115	117	119	121	122	124
Cantabria	149	154	159	164	170	174
Castilla.La.Mancha	1913	1971	2027	2082	2138	2192
Castilla.y.León	1429	1469	1508	1546	1586	1624
Cataluña	3879	3959	4037	4110	4185	4260
Ceuta	4	4	4	5	5	5
Comunidad.Valenciana	1042	1072	1101	1130	1159	1187
Extremadura	380	390	400	410	420	430
Galicia	334	346	357	368	380	391
Madrid	7132	7262	7390	7508	7629	7756
Melilla	2	2	2	2	2	2
Murcia	115	119	123	127	132	136
Navarra	354	366	379	391	403	415
País.Vasco	1020	1055	1089	1122	1156	1188
La.Rioja	272	282	291	301	311	320

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

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	20043	20537	20928	21559	21729	22243
Andalucía	967	989	1023	1055	1073	1090
Aragón	601	623	650	675	700	724
Asturias	187	194	203	210	218	223
Islas.Baleares	148	155	161	167	175	183
Canarias	115	119	125	131	134	139
Cantabria	149	155	161	167	174	181
Castilla.La.Mancha	1913	1972	2024	2095	2128	2187
Castilla.y.León	1429	1463	1490	1539	1545	1577
Cataluña	3879	3956	3999	4106	4089	4169
Ceuta	4	4	4	5	5	4
Comunidad.Valenciana	1042	1073	1099	1135	1152	1179
Extremadura	380	390	401	414	421	433
Galicia	334	343	351	361	367	374
Madrid	7132	7281	7383	7581	7605	7784
Melilla	2	2	2	2	2	2
Murcia	115	118	120	122	123	126
Navarra	354	389	462	499	556	606
País.Vasco	1020	1052	1089	1128	1159	1194
La.Rioja	272	280	288	297	302	309

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

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.026	0.020	0.037	0.049	0.060	0.071
Andalucía	0.035	0.026	0.049	0.066	0.077	0.085
Aragón	0.053	0.034	0.069	0.104	0.139	0.174
Asturias	0.048	0.037	0.074	0.109	0.145	0.185
Islas.Baleares	0.058	0.037	0.076	0.118	0.164	0.220
Canarias	0.034	0.020	0.038	0.056	0.073	0.091
Cantabria	0.047	0.033	0.070	0.108	0.149	0.192
Castilla.La.Mancha	0.031	0.025	0.048	0.067	0.085	0.105
Castilla.y.León	0.023	0.019	0.035	0.044	0.048	0.052
Cataluña	0.014	0.014	0.023	0.025	0.024	0.022
Ceuta	0.000	0.000	0.000	0.000	0.000	0.000
Comunidad.Valenciana	0.035	0.024	0.046	0.064	0.080	0.095
Extremadura	0.033	0.022	0.045	0.066	0.088	0.110
Galicia	0.036	0.026	0.046	0.059	0.066	0.070
Madrid	0.020	0.014	0.026	0.034	0.039	0.045
Melilla	0.000	0.000	0.000	0.000	0.000	0.000
Murcia	0.021	0.017	0.026	0.025	0.011	0.000
Navarra	0.112	0.054	0.117	0.194	0.285	0.382
País.Vasco	0.040	0.029	0.059	0.086	0.114	0.143
La.Rioja	0.036	0.027	0.052	0.071	0.085	0.096

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

Tabla Ratio Incr. Fallecidos: Mod. No Paramétrico.

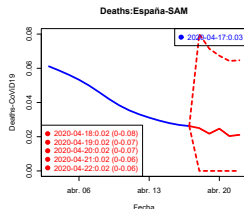
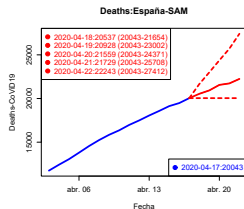
	Last	H1	H2	H3	H4	H5
España	0.026	0.025	0.049	0.072	0.096	0.119
Andalucía	0.035	0.038	0.074	0.109	0.147	0.182
Aragón	0.053	0.040	0.077	0.114	0.153	0.189
Asturias	0.048	0.040	0.077	0.115	0.152	0.189
Islas.Baleares	0.058	0.031	0.062	0.092	0.121	0.149
Canarias	0.034	0.017	0.033	0.048	0.063	0.080
Cantabria	0.047	0.035	0.069	0.103	0.137	0.169
Castilla.La.Mancha	0.031	0.030	0.060	0.088	0.118	0.146
Castilla.y.León	0.023	0.028	0.056	0.082	0.110	0.136
Cataluña	0.014	0.021	0.041	0.059	0.079	0.098
Ceuta	0.000	0.036	0.074	0.114	0.153	0.205
Comunidad.Valenciana	0.035	0.029	0.057	0.084	0.112	0.139
Extremadura	0.033	0.027	0.054	0.079	0.105	0.130
Galicia	0.036	0.035	0.068	0.101	0.136	0.169
Madrid	0.020	0.018	0.036	0.053	0.070	0.087
Melilla	0.000	0.004	0.007	0.010	0.014	0.027
Murcia	0.021	0.036	0.070	0.104	0.142	0.179
Navarra	0.112	0.035	0.070	0.104	0.138	0.171
País.Vasco	0.040	0.034	0.067	0.100	0.133	0.165
La.Rioja	0.036	0.036	0.071	0.105	0.141	0.176

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

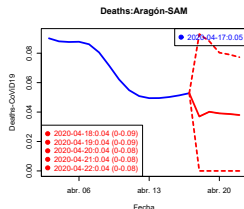
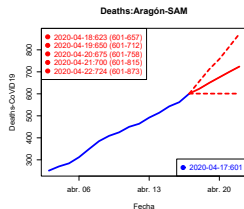
Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.026	0.025	0.044	0.076	0.084	0.110
Andalucía	0.035	0.023	0.058	0.091	0.110	0.127
Aragón	0.053	0.037	0.082	0.122	0.164	0.205
Asturias	0.048	0.036	0.083	0.125	0.163	0.190
Islas.Baleares	0.058	0.045	0.087	0.125	0.179	0.234
Canarias	0.034	0.035	0.087	0.136	0.168	0.209
Cantabria	0.047	0.039	0.082	0.120	0.168	0.216
Castilla.La.Mancha	0.031	0.031	0.058	0.095	0.112	0.143
Castilla.y.León	0.023	0.023	0.043	0.077	0.081	0.104
Cataluña	0.014	0.020	0.031	0.058	0.054	0.075
Ceuta	0.000	0.006	0.037	0.109	0.103	0.066
Comunidad.Valenciana	0.035	0.029	0.054	0.089	0.106	0.132
Extremadura	0.033	0.027	0.054	0.090	0.108	0.140
Galicia	0.036	0.027	0.052	0.081	0.097	0.119
Madrid	0.020	0.021	0.035	0.063	0.066	0.091
Melilla	0.000	0.006	0.004	0.019	0.002	0.009
Murcia	0.021	0.023	0.046	0.060	0.072	0.097
Navarra	0.112	0.099	0.306	0.408	0.570	0.711
País.Vasco	0.040	0.032	0.067	0.106	0.136	0.170
La.Rioja	0.036	0.029	0.059	0.092	0.112	0.134

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

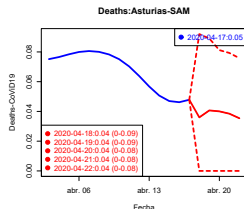
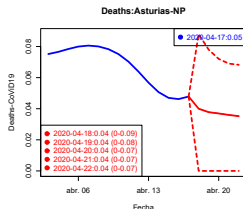
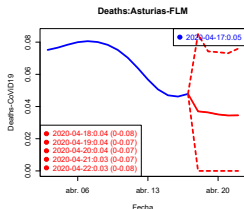
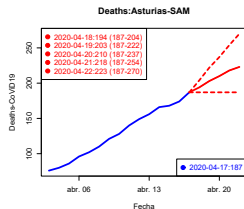
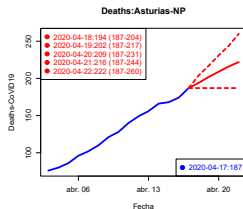
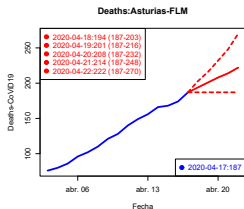
[illegible]

◀ Confirmados ▶ Fallecidos



◀ Confirmados ◀ Fallecidos

Fallecidos: Asturias



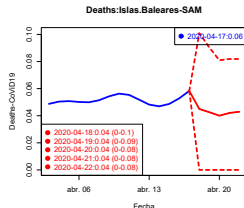
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

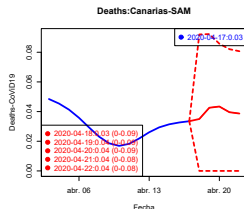
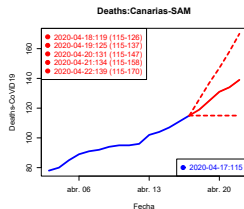
◀ Fallecidos

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

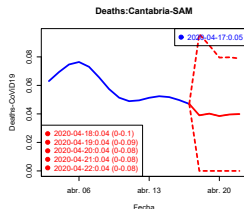
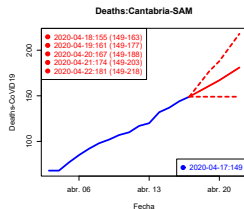
◀ Fallecidos



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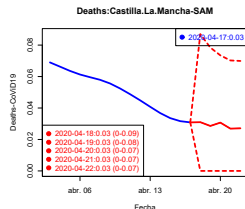
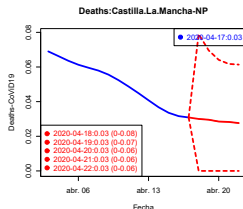
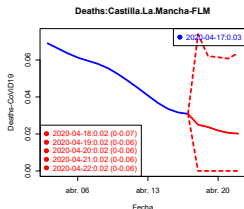
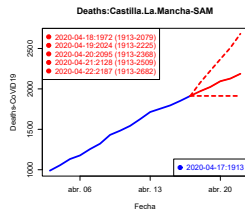
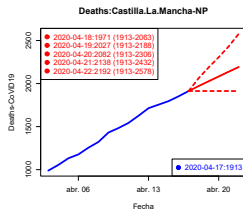
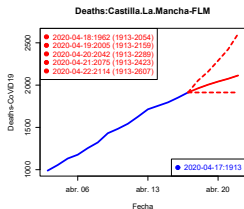


◀ Confirmados



◀ Confirmados ◀ Fallecidos

Fallecidos: Castilla-La Mancha

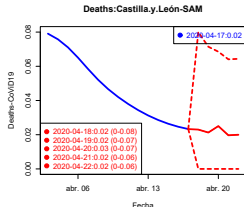
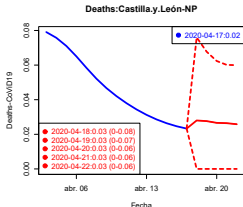
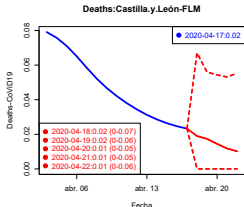
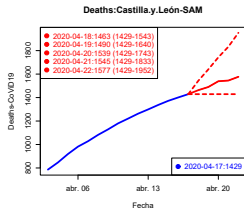
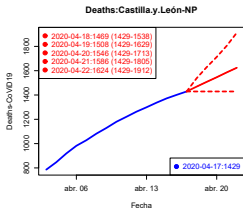
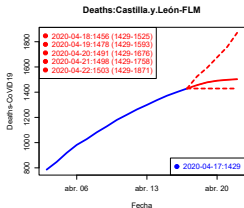


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

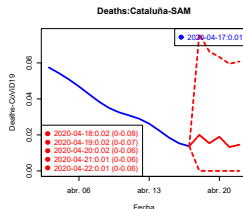
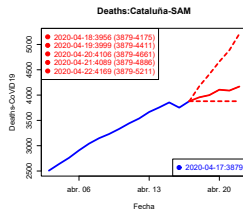
Fallecidos: Castilla y León



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

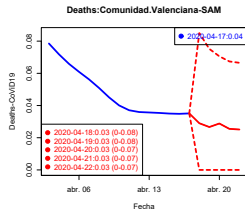
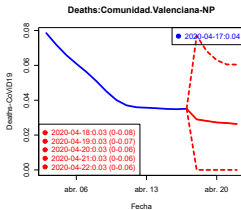
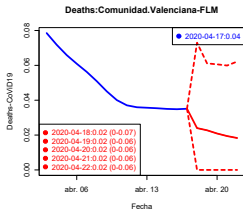
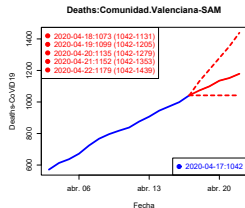
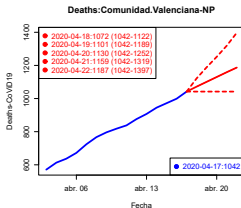
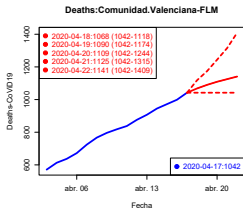
◀ Confirmados

◀ Fallecidos



◀ Confirmados ◀ Fallecidos

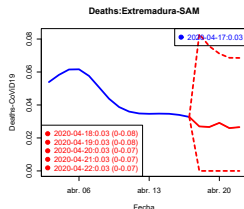
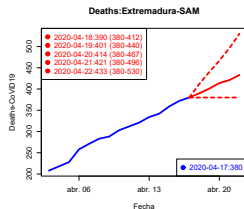
Fallecidos: C. Valenciana



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

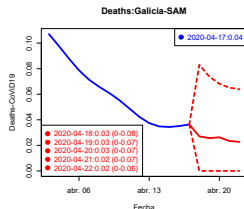
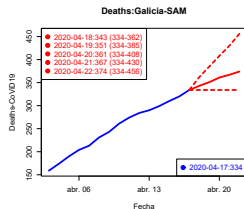
◀ Confirmados

◀ Fallecidos

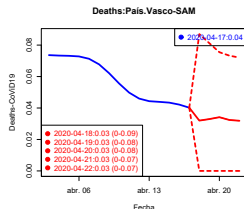
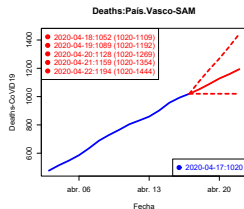


◀ Confirmados ◀ Fallecidos

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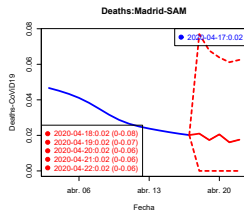
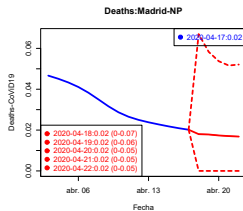
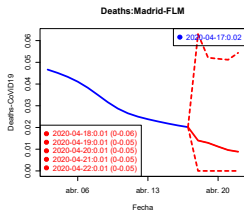
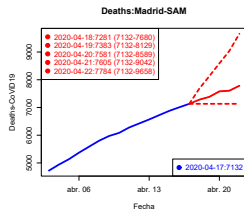
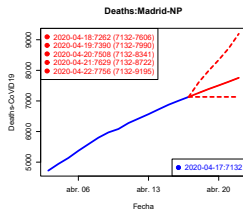
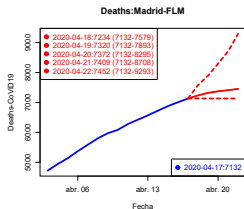


◀ Confirmados



◀ Confirmados ◀ Fallecidos

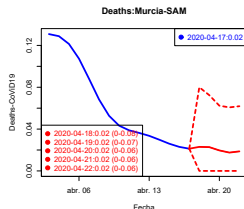
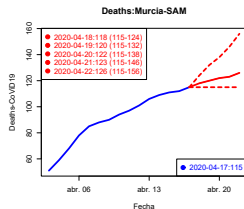
Fallecidos: Madrid



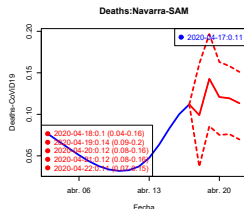
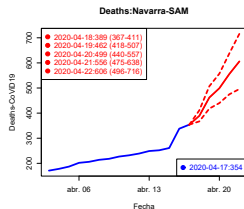
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

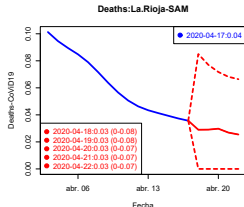
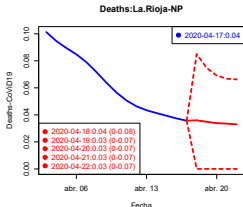
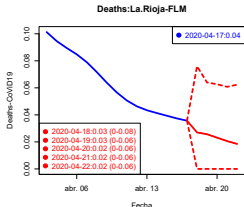
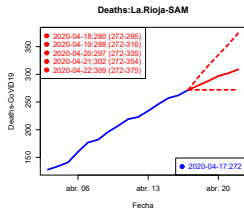
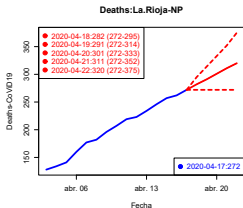
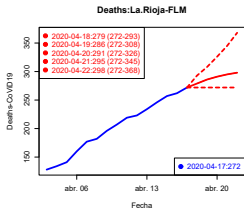


◀ Confirmados ◀ Fallecidos



◀ Confirmados ▶ Fallecidos

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.