

Predicciones sobre CoViD-19

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ANÁLISE MATEMÁTICA E OPTIMIZACIÓN



- Predicciones

- Predicciones Fallecidos

Datos

Número de datos funcionales: 1883

Países/Regiones distintos incorporados: 117

Predicciones:

▶ España

► Andalucía

► Aragón

► Asturias

► I. Balears

▶ **Canarias**

► Cantabria

▶ Catalunya

► Castilla-La Mancha

▶ Castilla y León

► C. Valenciana

► Extremadura

▶ País Vasco

► **Galicia**

► Madrid

► Murcia

► Navarra

► **La Rioja**

► Mod Lineal

▶ Mod NP

► Mod Aditivo

Horiz	Medida	FLM	NP	SAM
H1	σ_R^2	0.007	0.004	0.006
H1	$\sigma_R^2(rob.)$	0.004	0.002	0.004
H1	r^2	0.44	0.699	0.466
H2	σ_R^2	0.017	0.009	0.015
H2	$\sigma_R^2(rob.)$	0.016	0.007	0.013
H2	r^2	0.598	0.812	0.634
H3	σ_R^2	0.035	0.018	0.031
H3	$\sigma_R^2(rob.)$	0.037	0.018	0.034
H3	r^2	0.658	0.841	0.691

Último dato: 2020-04-05 21:00 que se publica 2020-04-06 12:00.

Tabla Previsión Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	135032	140911	143755	145090	145789	143954
Andalucía	8581	9026	9482	9900	10330	10761
Aragón	3347	3513	3664	3799	3929	4066
Asturias	1646	1713	1786	1860	1940	2023
Islas.Baleares	1320	1350	1369	1375	1374	1369
Canarias	1649	1700	1744	1779	1810	1839
Cantabria	1483	1520	1548	1564	1574	1576
Castilla.La.Mancha	10602	11331	12073	12863	13717	14633
Castilla.y.León	9116	9538	9926	10287	10651	11017
Cataluña	26824	28057	29172	30002	30832	31434
Ceuta	83	93	106	118	131	145
Comunidad.Valenciana	7334	7603	7834	8017	8178	8331
Extremadura	2068	2109	2125	2119	2100	2068
Galicia	6151	6510	6795	7055	7321	7586
Madrid	38723	40417	42152	43683	45177	46641
Melilla	86	91	98	105	113	121
Murcia	1259	1291	1323	1346	1365	1383
Navarra	3231	3365	3510	3649	3790	3940
País.Vasco	8810	9144	9455	9745	10032	10330
La.Rioja	2719	2868	3010	3172	3350	3544

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

Tabla Previsión Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	135032	140870	146200	151760	158153	164028
Andalucía	8581	8993	9387	9794	10224	10638
Aragón	3347	3551	3746	3928	4118	4310
Asturias	1646	1694	1746	1797	1859	1923
Islas.Baleares	1320	1362	1387	1412	1468	1499
Canarias	1649	1709	1749	1787	1868	1923
Cantabria	1483	1537	1577	1613	1660	1696
Castilla.La.Mancha	10602	11284	12007	12766	13584	14357
Castilla.y.León	9116	9541	9922	10314	10805	11262
Cataluña	26824	28154	29363	30594	31841	32824
Ceuta	83	94	103	113	123	134
Comunidad.Valenciana	7334	7632	7857	8072	8449	8746
Extremadura	2068	2133	2183	2227	2272	2305
Galicia	6151	6551	6940	7305	7675	8042
Madrid	38723	40351	41945	43568	45235	47006
Melilla	86	91	96	102	107	113
Murcia	1259	1314	1342	1372	1456	1504
Navarra	3231	3359	3473	3586	3735	3877
País.Vasco	8810	9159	9430	9709	10155	10510
La.Rioja	2719	2849	2991	3126	3273	3443

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

Tabla Previsión Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	135032	141311	147165	152080	159732	167603
Andalucía	8581	9059	9454	9779	10262	10698
Aragón	3347	3496	3640	3825	4067	4242
Asturias	1646	1712	1782	1829	1884	1962
Islas.Baleares	1320	1344	1349	1360	1388	1395
Canarias	1649	1690	1713	1738	1788	1818
Cantabria	1483	1533	1557	1588	1649	1737
Castilla.La.Mancha	10602	11305	12115	12842	13883	14976
Castilla.y.León	9116	9514	9837	10199	10724	11159
Cataluña	26824	28430	29733	31062	32164	33395
Ceuta	83	94	107	119	130	142
Comunidad.Valenciana	7334	7553	7716	7898	8228	8493
Extremadura	2068	2133	2149	2188	2206	2287
Galicia	6151	6501	6832	7142	7630	8031
Madrid	38723	40504	42114	43313	45088	47121
Melilla	86	92	99	104	112	119
Murcia	1259	1295	1304	1320	1354	1385
Navarra	3231	3350	3460	3556	3707	3853
País.Vasco	8810	9118	9324	9527	9862	10137
La.Rioja	2719	2848	2982	3082	3218	3378

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	0.050	0.044	0.065	0.074	0.080	0.066
Andalucía	0.053	0.052	0.105	0.154	0.204	0.254
Aragón	0.053	0.050	0.095	0.135	0.174	0.215
Asturias	0.044	0.041	0.085	0.130	0.178	0.229
Islas.Baleares	0.023	0.023	0.037	0.042	0.041	0.037
Canarias	0.034	0.031	0.058	0.079	0.097	0.115
Cantabria	0.039	0.025	0.044	0.055	0.061	0.063
Castilla.La.Mancha	0.078	0.069	0.139	0.213	0.294	0.380
Castilla.y.León	0.053	0.046	0.089	0.128	0.168	0.209
Cataluña	0.051	0.046	0.088	0.118	0.149	0.172
Ceuta	0.102	0.121	0.270	0.417	0.566	0.744
Comunidad.Valenciana	0.037	0.037	0.068	0.093	0.115	0.136
Extremadura	0.031	0.020	0.028	0.025	0.016	0.000
Galicia	0.059	0.058	0.105	0.147	0.190	0.233
Madrid	0.046	0.044	0.089	0.128	0.167	0.204
Melilla	0.069	0.062	0.135	0.215	0.305	0.403
Murcia	0.035	0.026	0.051	0.069	0.084	0.099
Navarra	0.048	0.041	0.086	0.129	0.173	0.219
País.Vasco	0.044	0.038	0.073	0.106	0.139	0.172
La.Rioja	0.067	0.055	0.107	0.167	0.232	0.303

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	0.050	0.043	0.083	0.124	0.171	0.215
Andalucía	0.053	0.048	0.094	0.141	0.191	0.240
Aragón	0.053	0.061	0.119	0.174	0.230	0.288
Asturias	0.044	0.029	0.061	0.092	0.129	0.168
Islas.Baleares	0.023	0.032	0.051	0.069	0.112	0.135
Canarias	0.034	0.036	0.060	0.084	0.133	0.166
Cantabria	0.039	0.037	0.063	0.088	0.120	0.143
Castilla.La.Mancha	0.078	0.064	0.132	0.204	0.281	0.354
Castilla.y.León	0.053	0.047	0.088	0.131	0.185	0.235
Cataluña	0.051	0.050	0.095	0.141	0.187	0.224
Ceuta	0.102	0.126	0.238	0.352	0.479	0.606
Comunidad.Valenciana	0.037	0.041	0.071	0.101	0.152	0.193
Extremadura	0.031	0.031	0.056	0.077	0.099	0.115
Galicia	0.059	0.065	0.128	0.188	0.248	0.307
Madrid	0.046	0.042	0.083	0.125	0.168	0.214
Melilla	0.069	0.055	0.117	0.181	0.242	0.307
Murcia	0.035	0.043	0.066	0.090	0.157	0.194
Navarra	0.048	0.040	0.075	0.110	0.156	0.200
País.Vasco	0.044	0.040	0.070	0.102	0.153	0.193
La.Rioja	0.067	0.048	0.100	0.150	0.204	0.266

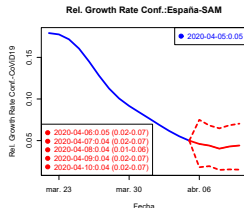
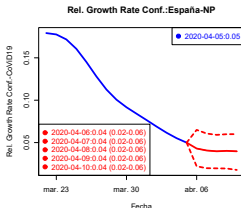
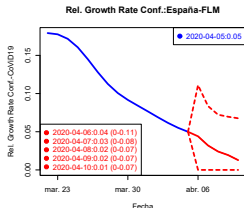
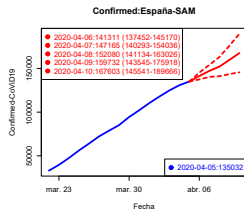
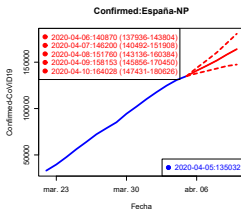
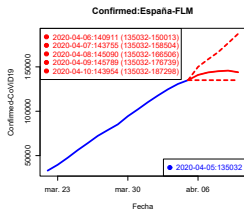
Table: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
- 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.050	0.046	0.090	0.126	0.183	0.241
Andalucía	0.053	0.056	0.102	0.140	0.196	0.247
Aragón	0.053	0.045	0.087	0.143	0.215	0.267
Asturias	0.044	0.040	0.082	0.111	0.145	0.192
Islas.Baleares	0.023	0.018	0.022	0.030	0.051	0.057
Canarias	0.034	0.025	0.039	0.054	0.084	0.102
Cantabria	0.039	0.033	0.050	0.071	0.112	0.171
Castilla.La.Mancha	0.078	0.066	0.143	0.211	0.309	0.413
Castilla.y.León	0.053	0.044	0.079	0.119	0.176	0.224
Cataluña	0.051	0.060	0.108	0.158	0.199	0.245
Ceuta	0.102	0.127	0.281	0.429	0.561	0.702
Comunidad.Valenciana	0.037	0.030	0.052	0.077	0.122	0.158
Extremadura	0.031	0.031	0.039	0.058	0.067	0.106
Galicia	0.059	0.057	0.111	0.161	0.240	0.306
Madrid	0.046	0.046	0.088	0.119	0.164	0.217
Melilla	0.069	0.069	0.144	0.212	0.295	0.376
Murcia	0.035	0.029	0.036	0.048	0.075	0.100
Navarra	0.048	0.037	0.071	0.101	0.147	0.193
País.Vasco	0.044	0.035	0.058	0.081	0.119	0.151
La.Rioja	0.067	0.047	0.097	0.133	0.183	0.242

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

Confirmados: España

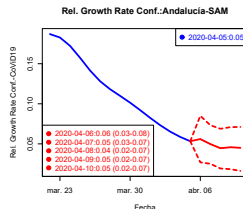
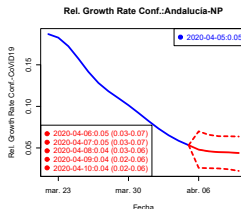
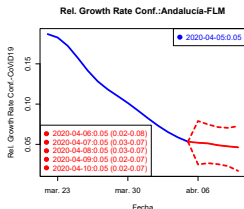
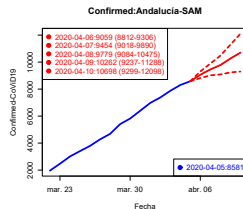
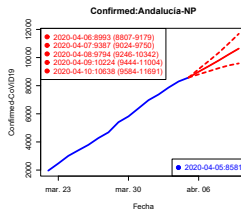
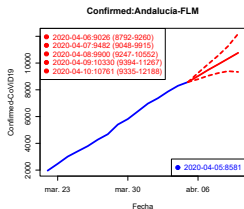


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Andalucía

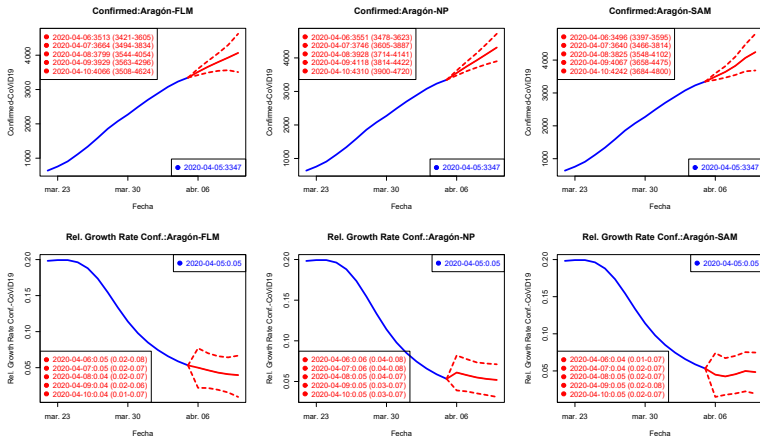


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Aragón

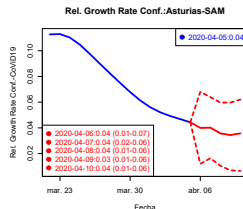
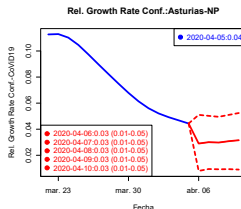
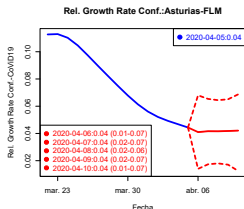
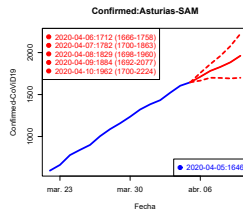
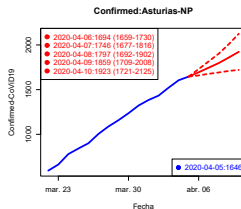
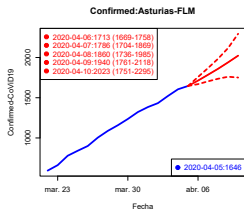


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Asturias

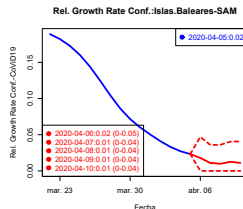
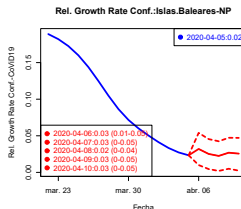
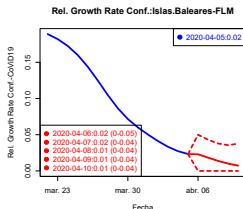
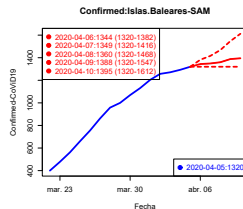
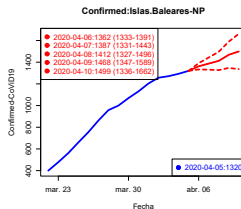
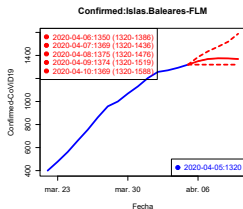


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

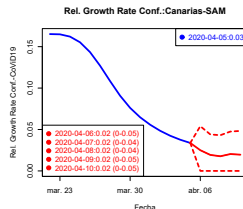
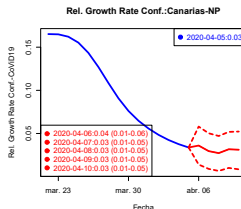
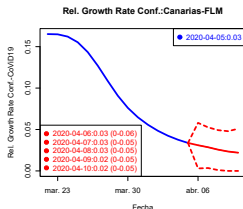
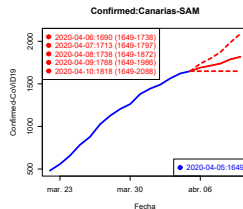
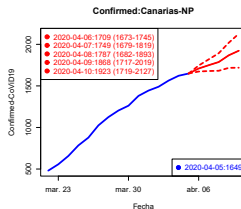
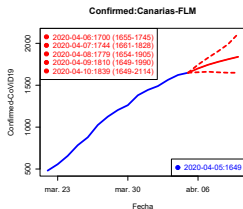
◀ Fallecidos

Confirmados: Islas Baleares



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

Confirmados: Canarias

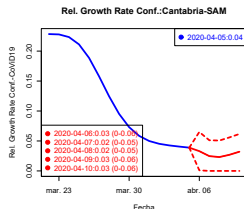
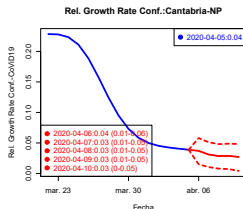
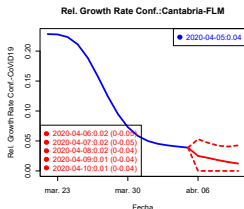
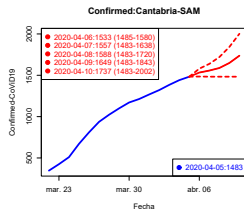
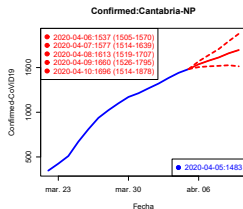
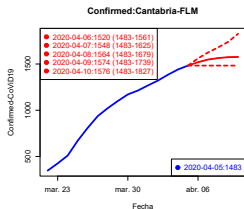


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cantabria



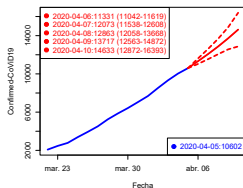
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

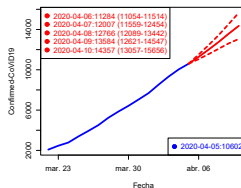
◀ Fallecidos

Confirmados: Castilla-La Mancha

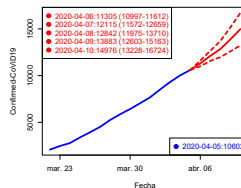
Confirmed:Castilla.La.Mancha-FLM



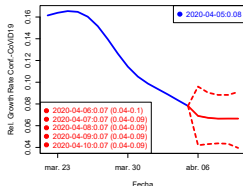
Confirmed:Castilla.La.Mancha-NP



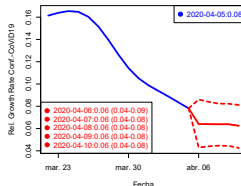
Confirmed:Castilla.La.Mancha-SAM



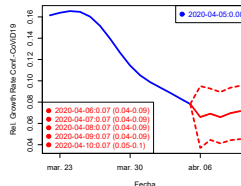
Rel. Growth Rate Conf.:Castilla.La.Mancha-FLM



Rel. Growth Rate Conf.:Castilla.La.Mancha-NP



Rel. Growth Rate Conf.:Castilla.La.Mancha-SAM



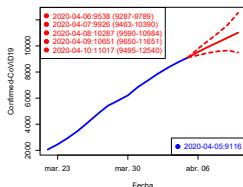
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

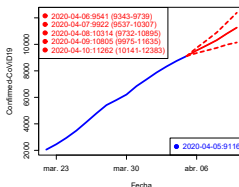
◀ Fallecidos

Confirmados: Castilla y León

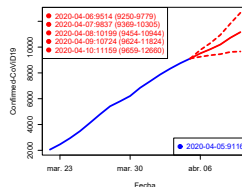
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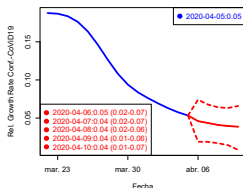
Confirmed:Castilla.y.León-NP



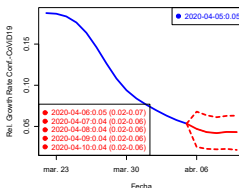
Confirmed:Castilla.y.León-SAM



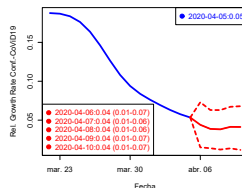
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Rel. Growth Rate Conf.:Castilla.y.León-NP



Rel. Growth Rate Conf.:Castilla.y.León-SAM

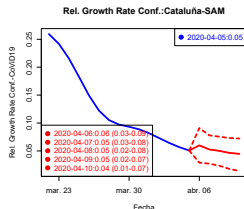
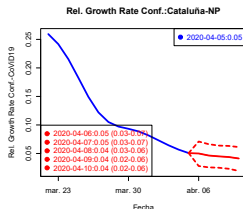
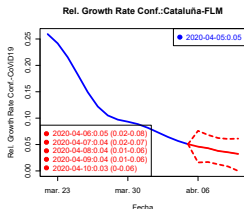
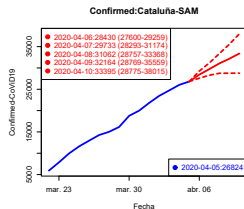
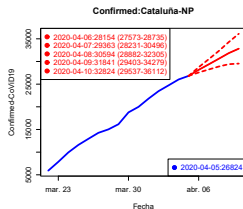
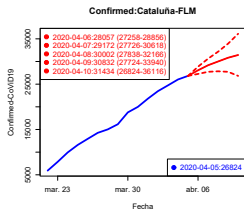


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cataluña



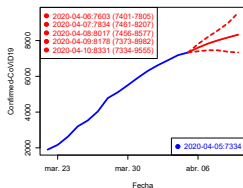
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

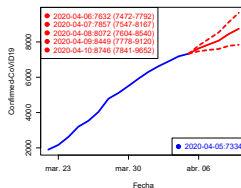
◀ Fallecidos

Confirmados: C. Valenciana

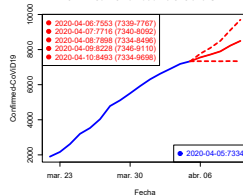
Confirmed:Comunidad.Valenciana-FLM



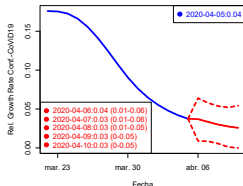
Confirmed:Comunidad.Valenciana-NP



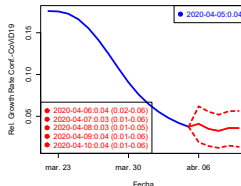
Confirmed:Comunidad.Valenciana-SAM



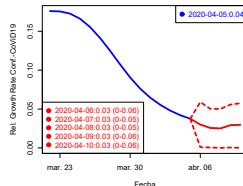
Rel. Growth Rate Conf.:Comunidad.Valenciana-FLM



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



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

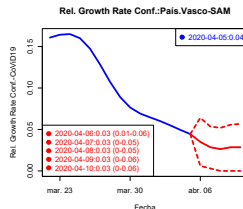
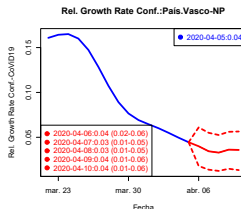
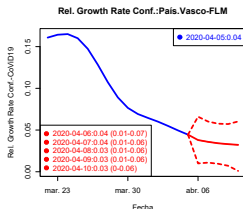
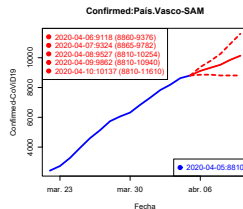
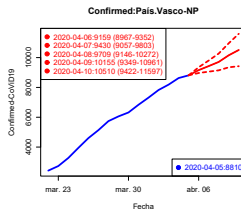
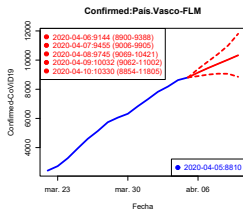


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: País Vasco

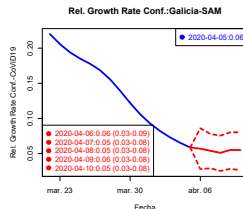
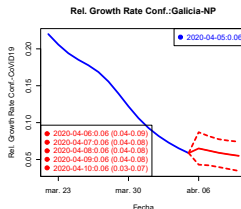
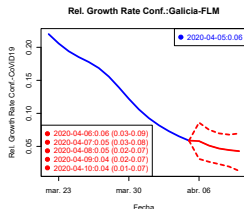
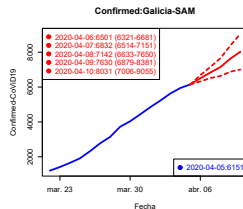
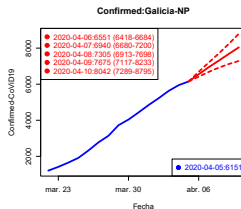
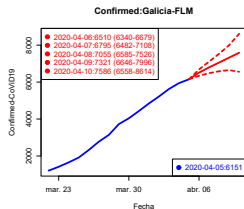


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia



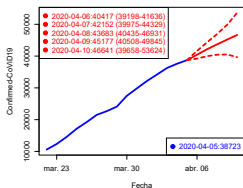
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

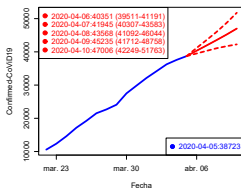
◀ Fallecidos

Confirmados: Madrid

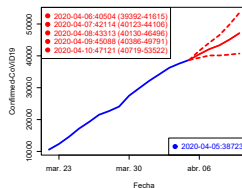
Confirmed:Madrid-FLM



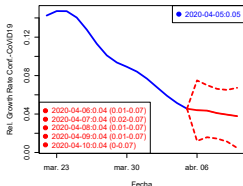
Confirmed:Madrid-NP



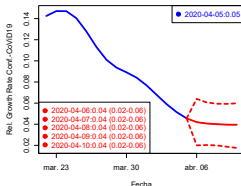
Confirmed:Madrid-SAM



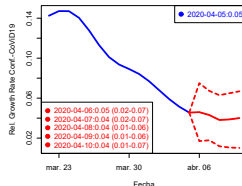
Rel. Growth Rate Conf.:Madrid-FLM



Rel. Growth Rate Conf.:Madrid-NP



Rel. Growth Rate Conf.:Madrid-SAM

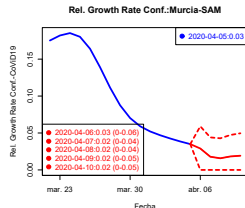
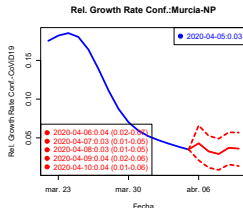
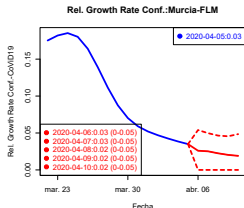
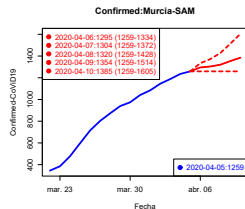
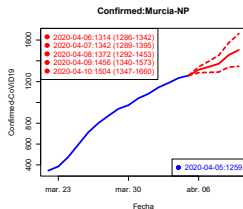
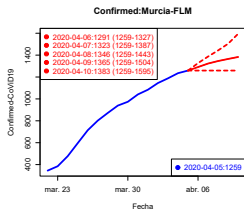


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

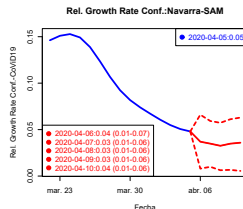
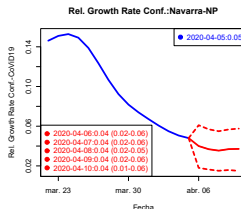
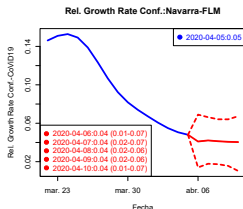
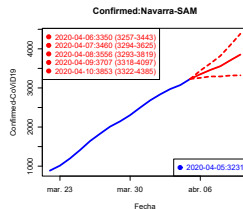
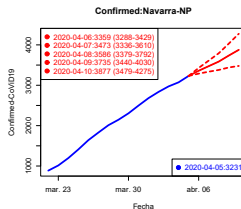
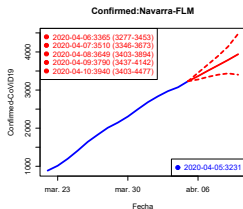
◀ Fallecidos

Confirmados: Murcia



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

Confirmados: Navarra

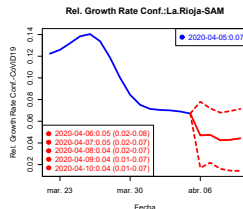
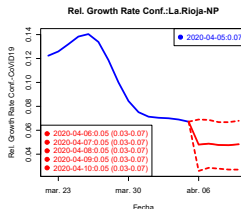
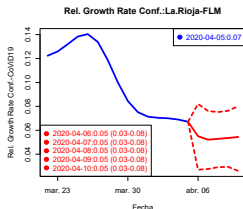
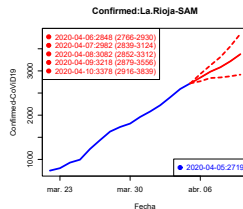
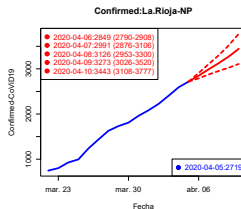
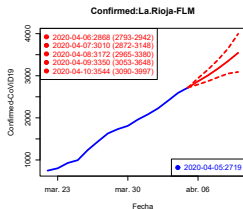


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ 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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- 2 Fallecidos
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Modelos para fallecidos por CoViD-19

Número de datos funcionales: 2976

Países/Regiones distintos incorporados: 70

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

Horiz	Medida	FLM	NP	SAM
H1	σ_R^2	0.049	0.01	0.046
H1	$\sigma_R^2(rob.)$	0.058	0.003	0.052
H1	r^2	0.112	0.862	0.154
H2	σ_R^2	0.139	0.031	0.132
H2	$\sigma_R^2(rob.)$	0.122	0.015	0.132
H2	r^2	0.181	0.86	0.221
H3	σ_R^2	0.328	0.076	0.311
H3	$\sigma_R^2(rob.)$	0.332	0.059	0.298
H3	r^2	0.211	0.86	0.249

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	13055	13643	14290	14891	15320	15514
Andalucía	491	514	540	564	583	589
Aragón	284	309	336	357	382	408
Asturias	86	86	86	86	86	86
Islas.Baleares	81	81	81	81	81	81
Canarias	85	87	90	90	91	90
Cantabria	77	80	84	84	87	88
Castilla.La.Mancha	1132	1171	1214	1259	1289	1283
Castilla.y.León	919	964	1013	1055	1079	1073
Cataluña	2760	2842	2918	2974	2872	2760
Ceuta	3	4	5	6	7	8
Comunidad.Valenciana	637	672	711	746	780	803
Extremadura	228	234	240	242	235	228
Galicia	190	205	222	237	253	267
Madrid	5136	5331	5551	5780	5958	6074
Melilla	2	2	2	3	3	3
Murcia	68	69	70	71	68	68
Navarra	187	189	190	190	187	187
País.Vasco	548	583	623	660	700	740
La.Rioja	141	147	154	162	168	168

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

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	13055	13870	14681	15546	16434	17443
Andalucía	491	525	558	594	630	670
Aragón	284	317	345	369	393	420
Asturias	86	89	94	99	107	120
Islas.Baleares	81	84	87	90	95	101
Canarias	85	89	93	97	102	109
Cantabria	77	81	84	87	90	94
Castilla.La.Mancha	1132	1238	1341	1444	1543	1654
Castilla.y.León	919	987	1051	1116	1185	1260
Cataluña	2760	2916	3073	3237	3428	3615
Ceuta	3	4	4	5	7	8
Comunidad.Valenciana	637	676	713	753	794	842
Extremadura	228	236	244	251	260	271
Galicia	190	211	231	248	266	285
Madrid	5136	5427	5728	6052	6384	6802
Melilla	2	2	2	3	3	3
Murcia	68	71	73	76	80	84
Navarra	187	197	207	218	230	245
País.Vasco	548	576	604	634	667	707
La.Rioja	141	150	160	170	179	191

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

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	13055	13704	14172	14506	14634	13972
Andalucía	491	507	519	524	530	519
Aragón	284	306	331	342	363	390
Asturias	86	86	86	86	86	86
Islas.Baleares	81	81	81	81	81	81
Canarias	85	87	89	88	89	87
Cantabria	77	78	79	77	78	78
Castilla.La.Mancha	1132	1173	1161	1175	1148	1132
Castilla.y.León	919	948	963	958	949	936
Cataluña	2760	2760	2760	2760	2760	2760
Ceuta	3	4	5	7	8	10
Comunidad.Valenciana	637	669	714	736	781	791
Extremadura	228	228	228	228	228	228
Galicia	190	202	213	221	234	249
Madrid	5136	5486	5737	6014	6180	5821
Melilla	2	2	2	3	3	3
Murcia	68	69	68	68	68	68
Navarra	187	187	187	187	187	187
País.Vasco	548	593	647	684	729	728
La.Rioja	141	148	157	161	166	159

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

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.066	0.045	0.095	0.141	0.173	0.188
Andalucía	0.092	0.047	0.099	0.149	0.188	0.200
Aragón	0.090	0.087	0.183	0.255	0.343	0.435
Asturias	0.066	0.000	0.000	0.000	0.000	0.000
Islas.Baleares	0.083	0.003	0.000	0.000	0.000	0.000
Canarias	0.057	0.028	0.054	0.062	0.070	0.059
Cantabria	0.076	0.043	0.086	0.096	0.125	0.147
Castilla.La.Mancha	0.075	0.035	0.072	0.112	0.138	0.133
Castilla.y.León	0.090	0.049	0.102	0.148	0.174	0.167
Cataluña	0.067	0.030	0.057	0.077	0.040	0.000
Ceuta	0.254	0.212	0.473	0.803	1.088	1.374
Comunidad.Valenciana	0.084	0.055	0.116	0.171	0.224	0.260
Extremadura	0.061	0.027	0.052	0.061	0.031	0.000
Galicia	0.117	0.080	0.168	0.244	0.328	0.401
Madrid	0.051	0.038	0.081	0.125	0.160	0.183
Melilla	0.055	0.059	0.130	0.229	0.280	0.293
Murcia	0.135	0.020	0.032	0.044	0.000	0.000
Navarra	0.070	0.012	0.018	0.018	0.000	0.000
País.Vasco	0.076	0.063	0.136	0.204	0.276	0.349
La.Rioja	0.082	0.042	0.089	0.149	0.190	0.193

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	0.066	0.062	0.125	0.191	0.259	0.336
Andalucía	0.092	0.069	0.137	0.209	0.283	0.364
Aragón	0.090	0.115	0.215	0.297	0.383	0.477
Asturias	0.066	0.037	0.089	0.149	0.246	0.389
Islas.Baleares	0.083	0.036	0.071	0.113	0.166	0.238
Canarias	0.057	0.044	0.088	0.138	0.196	0.276
Cantabria	0.076	0.047	0.087	0.125	0.171	0.222
Castilla.La.Mancha	0.075	0.094	0.185	0.275	0.363	0.461
Castilla.y.León	0.090	0.074	0.143	0.214	0.289	0.371
Cataluña	0.067	0.056	0.113	0.173	0.242	0.309
Ceuta	0.254	0.146	0.335	0.602	0.928	1.281
Comunidad.Valenciana	0.084	0.061	0.119	0.181	0.246	0.321
Extremadura	0.061	0.036	0.072	0.102	0.138	0.188
Galicia	0.117	0.112	0.215	0.305	0.397	0.498
Madrid	0.051	0.057	0.115	0.178	0.243	0.324
Melilla	0.055	0.054	0.117	0.186	0.265	0.360
Murcia	0.135	0.041	0.078	0.120	0.168	0.227
Navarra	0.070	0.053	0.108	0.167	0.229	0.309
País.Vasco	0.076	0.051	0.101	0.157	0.216	0.290
La.Rioja	0.082	0.066	0.134	0.203	0.269	0.349

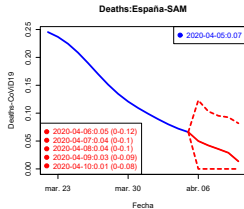
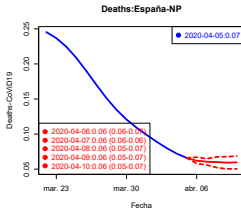
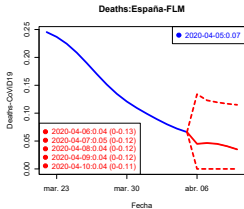
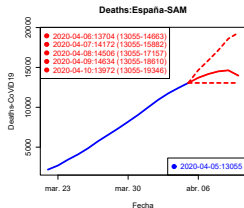
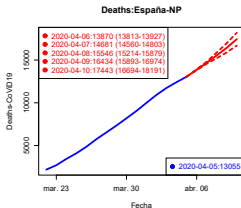
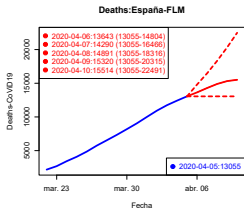
Table: Previsión Ratio Incr. Fallecidos: Mod. No Paramétrico - Horizonte 1 – 5 días.

Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.066	0.050	0.086	0.111	0.121	0.070
Andalucía	0.092	0.032	0.057	0.067	0.079	0.057
Aragón	0.090	0.078	0.166	0.202	0.278	0.370
Asturias	0.066	0.000	0.000	0.000	0.000	0.000
Islas.Baleares	0.083	0.000	0.000	0.000	0.000	0.000
Canarias	0.057	0.023	0.048	0.030	0.052	0.026
Cantabria	0.076	0.007	0.023	0.000	0.017	0.014
Castilla.La.Mancha	0.075	0.037	0.026	0.038	0.014	0.000
Castilla.y.León	0.090	0.032	0.048	0.043	0.033	0.019
Cataluña	0.067	0.000	0.000	0.000	0.000	0.000
Ceuta	0.254	0.265	0.531	0.912	1.271	1.679
Comunidad.Valenciana	0.084	0.051	0.121	0.155	0.225	0.241
Extremadura	0.061	0.000	0.000	0.000	0.000	0.000
Galicia	0.117	0.062	0.121	0.160	0.229	0.308
Madrid	0.051	0.068	0.117	0.171	0.203	0.133
Melilla	0.055	0.079	0.160	0.232	0.251	0.213
Murcia	0.135	0.016	0.000	0.000	0.000	0.000
Navarra	0.070	0.000	0.000	0.000	0.000	0.000
País.Vasco	0.076	0.082	0.181	0.247	0.329	0.328
La.Rioja	0.082	0.047	0.109	0.140	0.174	0.129

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

Fallecidos: España

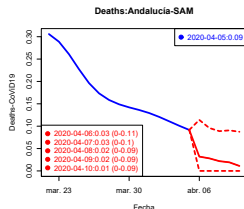
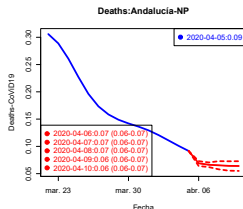
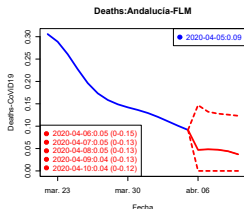
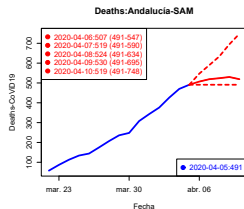
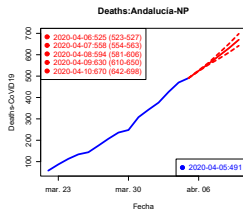
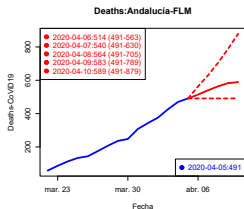


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

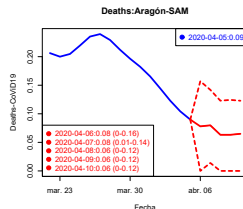
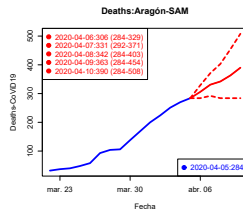
Fallecidos: Andalucía



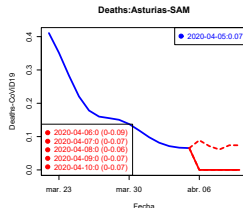
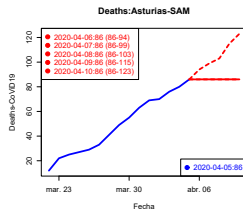
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

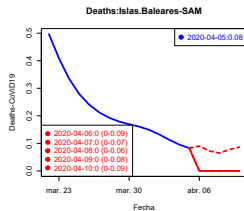
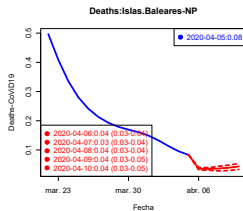
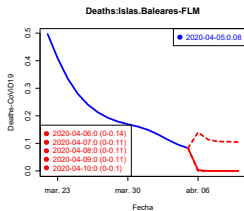
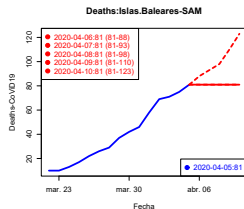
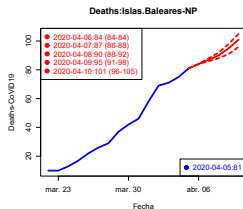
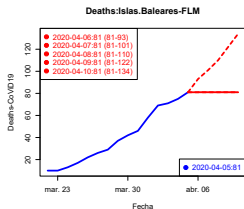


◀ Confirmados ◀ Fallecidos



◀ Confirmados ◀ Fallecidos

Fallecidos: Islas Baleares

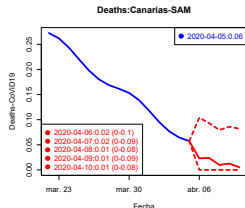
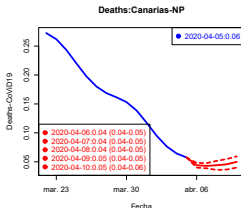
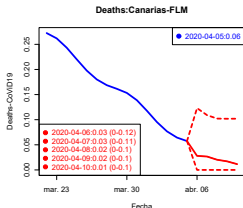
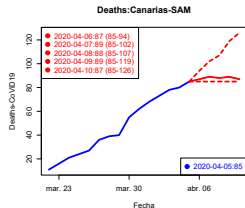
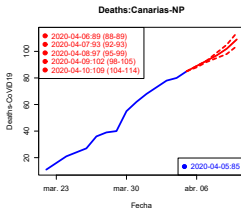
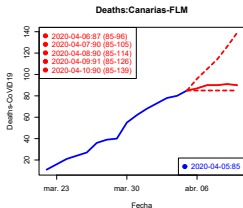


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Canarias

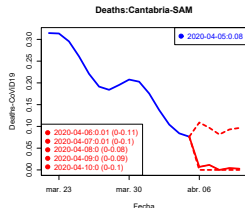
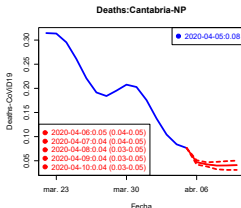
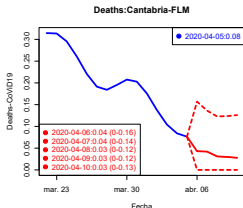
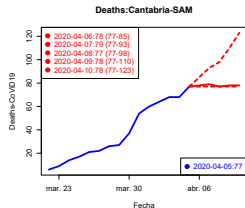
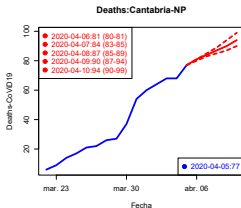
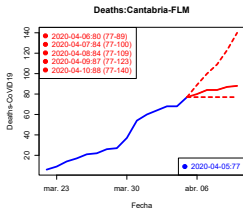


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Cantabria



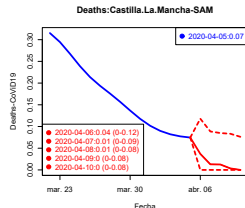
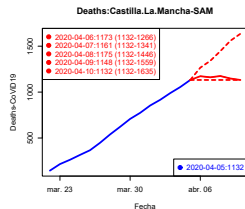
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

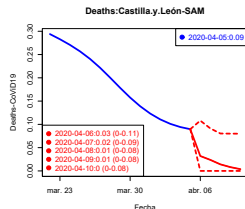
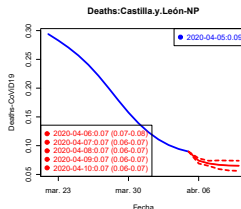
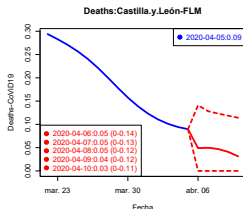
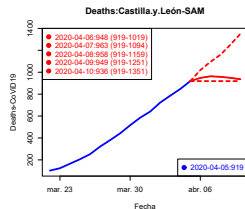
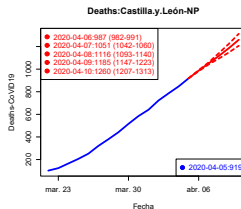
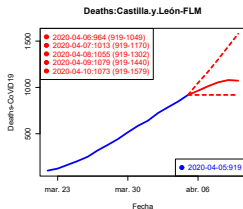
◀ Fallecidos

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

◀ Fallecidos



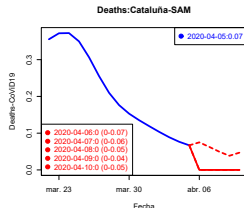
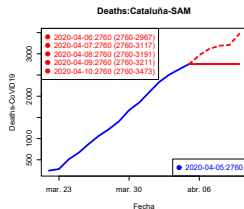
Fallecidos: Castilla y León



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

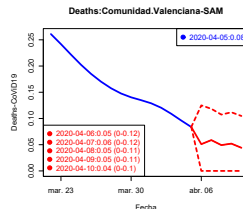
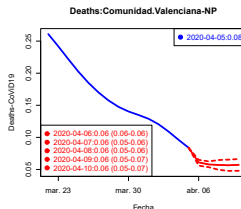
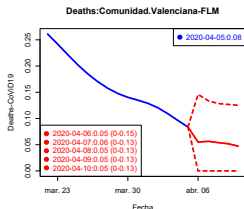
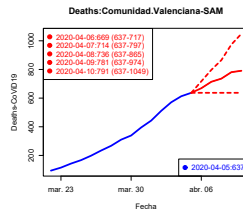
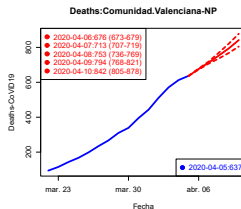
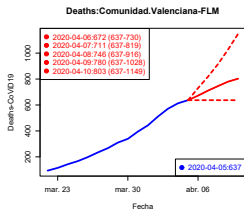
◀ Confirmados

◀ Fallecidos



◀ Confirmados ▶ Fallecidos

Fallecidos: C. Valenciana

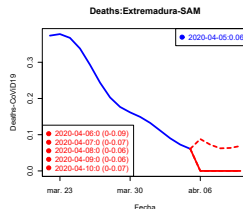
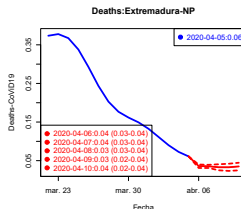
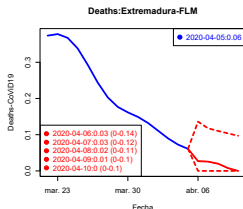
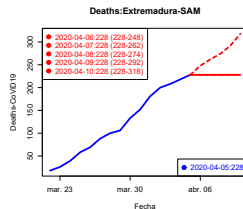
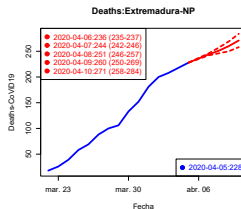
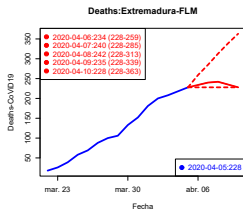


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

Confirmados

Fallecidos

Fallecidos: Extremadura

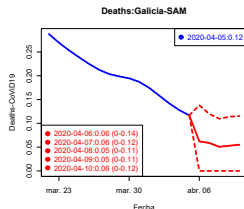
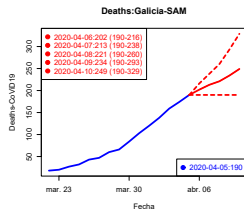


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

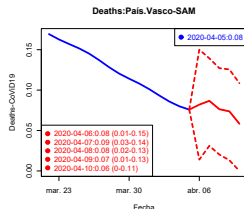
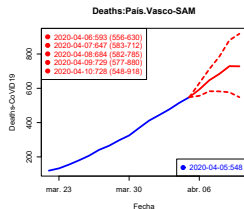
◀ Confirmados

◀ Fallecidos

○○

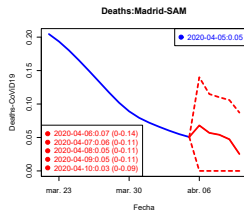
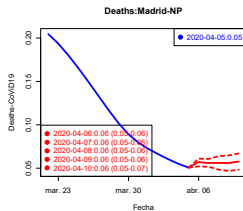
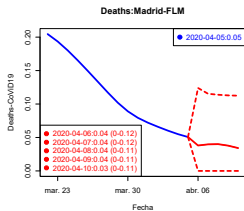
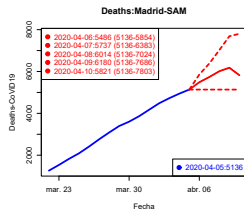
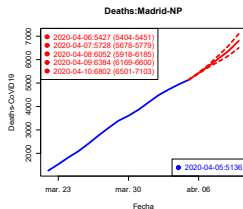
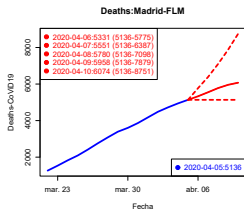


◀ Confirmados ◀ Fallecidos



◀ Confirmados ◀ Fallecidos

Fallecidos: Madrid

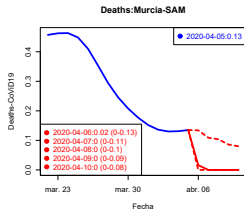
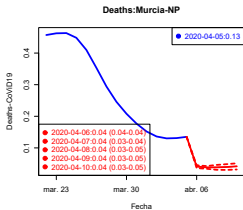
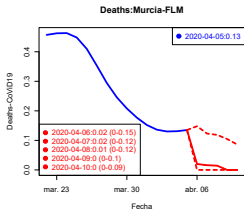
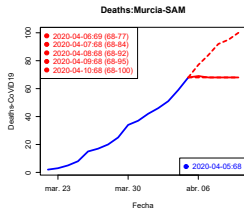
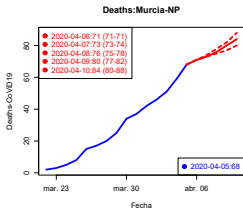
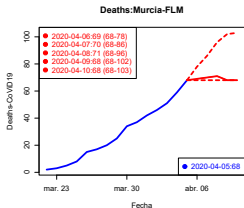


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Murcia

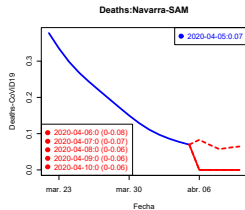
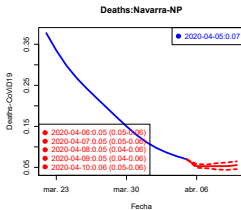
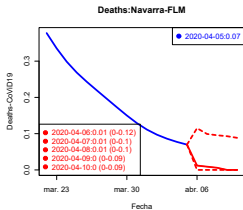
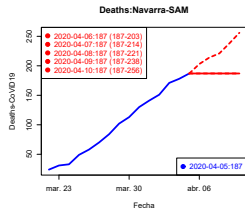
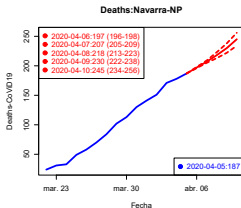
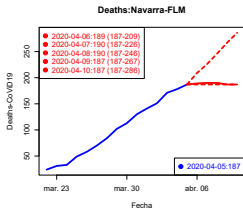


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Navarra

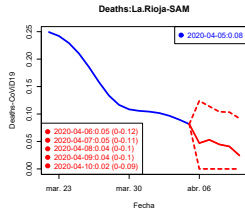
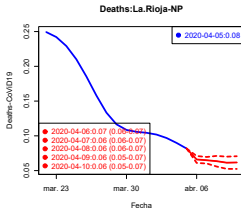
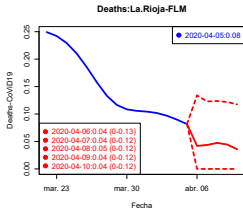
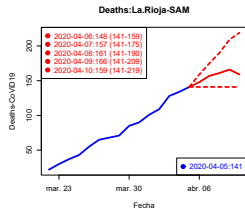
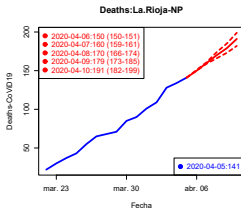
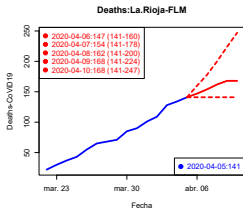


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: La Rioja



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

◀ Confirmados

◀ Fallecidos

Breve descripción del Modelo de predicción

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

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

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

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

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

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