

Predicciones sobre CoViD-19

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DEPARTAMENTO DE ESTATÍSTICA,
ANÁLISE MATEMÁTICA E OPTIMIZACIÓN



- Predicciones

- Predicciones Fallecidos

Datos

Número de datos funcionales: 2404

Países/Regiones distintos incorporados: 137

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

Tabla Previsión Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	157022	162461	164365	165517	166650	165760
Andalucía	9510	9769	10012	10215	10401	10588
Aragón	3831	3952	4059	4150	4243	4327
Asturias	1799	1843	1890	1934	1978	2024
Islas.Baleares	1488	1525	1554	1583	1615	1645
Canarias	1858	1907	1949	1988	2030	2071
Cantabria	1659	1705	1743	1780	1821	1859
Castilla.La.Mancha	13063	13714	14382	15053	15768	16502
Castilla.y.León	11102	11584	12036	12506	13031	13556
Cataluña	31824	33026	34064	35103	36197	37322
Ceuta	91	93	94	93	91	91
Comunidad.Valenciana	8331	8571	8817	9046	9287	9515
Extremadura	2332	2398	2446	2493	2550	2600
Galicia	6946	7153	7325	7455	7576	7680
Madrid	44783	46260	47333	48344	49398	50391
Melilla	95	98	101	104	106	109
Murcia	1383	1416	1441	1464	1489	1511
Navarra	3748	3880	4003	4129	4267	4408
País.Vasco	10103	10437	10742	11045	11377	11702
La.Rioja	3076	3180	3266	3344	3427	3509

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

Tabla Previsión Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	157022	161708	166581	171642	177364	183832
Andalucía	9510	9762	10013	10281	10596	10946
Aragón	3831	3953	4076	4225	4416	4613
Asturias	1799	1835	1869	1907	1948	1995
Islas.Baleares	1488	1513	1542	1570	1599	1630
Canarias	1858	1893	1933	1973	2016	2063
Cantabria	1659	1690	1729	1765	1804	1846
Castilla.La.Mancha	13063	13686	14302	14939	15609	16328
Castilla.y.León	11102	11503	11939	12412	12935	13530
Cataluña	31824	32960	34120	35309	36623	38113
Ceuta	91	95	99	102	105	108
Comunidad.Valenciana	8331	8509	8708	8923	9170	9440
Extremadura	2332	2374	2424	2472	2520	2572
Galicia	6946	7179	7399	7660	8016	8368
Madrid	44783	46086	47418	48812	50384	52174
Melilla	95	98	102	105	109	114
Murcia	1383	1407	1433	1460	1487	1515
Navarra	3748	3849	3957	4070	4196	4339
País.Vasco	10103	10346	10611	10883	11185	11522
La.Rioja	3076	3169	3270	3380	3498	3629

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

Tabla Previsión Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	157022	162406	168624	173865	179182	185581
Andalucía	9510	9736	9984	10200	10383	10670
Aragón	3831	3947	4055	4150	4254	4367
Asturias	1799	1840	1889	1937	1991	2049
Islas.Baleares	1488	1526	1574	1631	1699	1772
Canarias	1858	1907	1958	2017	2087	2159
Cantabria	1659	1709	1757	1823	1898	1974
Castilla.La.Mancha	13063	13713	14328	14868	15334	15958
Castilla.y.León	11102	11604	12144	12673	13184	13761
Cataluña	31824	33017	34571	35812	37215	38833
Ceuta	91	94	98	103	104	107
Comunidad.Valenciana	8331	8559	8845	9167	9503	9860
Extremadura	2332	2401	2485	2574	2676	2777
Galicia	6946	7137	7291	7404	7539	7702
Madrid	44783	46218	48095	49537	51190	53145
Melilla	95	97	100	101	104	107
Murcia	1383	1416	1450	1488	1535	1580
Navarra	3748	3882	4039	4186	4343	4509
País.Vasco	10103	10436	10827	11187	11564	11943
La.Rioja	3076	3164	3232	3279	3355	3432

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	0.037	0.035	0.047	0.054	0.061	0.056
Andalucía	0.028	0.027	0.053	0.074	0.094	0.113
Aragón	0.036	0.032	0.060	0.083	0.107	0.129
Asturias	0.025	0.025	0.051	0.075	0.100	0.125
Islas.Baleares	0.028	0.025	0.045	0.064	0.085	0.106
Canarias	0.027	0.026	0.049	0.070	0.092	0.115
Cantabria	0.030	0.028	0.051	0.073	0.098	0.121
Castilla.La.Mancha	0.055	0.050	0.101	0.152	0.207	0.263
Castilla.y.León	0.050	0.043	0.084	0.126	0.174	0.221
Cataluña	0.040	0.038	0.070	0.103	0.137	0.173
Ceuta	0.032	0.027	0.033	0.021	0.000	0.000
Comunidad.Valenciana	0.036	0.029	0.058	0.086	0.115	0.142
Extremadura	0.031	0.028	0.049	0.069	0.093	0.115
Galicia	0.032	0.030	0.055	0.073	0.091	0.106
Madrid	0.034	0.033	0.057	0.080	0.103	0.125
Melilla	0.020	0.030	0.062	0.091	0.117	0.148
Murcia	0.024	0.024	0.042	0.058	0.076	0.092
Navarra	0.039	0.035	0.068	0.102	0.138	0.176
País.Vasco	0.035	0.033	0.063	0.093	0.126	0.158
La.Rioja	0.029	0.034	0.062	0.087	0.114	0.141

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	0.037	0.030	0.061	0.093	0.130	0.171
Andalucía	0.028	0.026	0.053	0.081	0.114	0.151
Aragón	0.036	0.032	0.064	0.103	0.153	0.204
Asturias	0.025	0.020	0.039	0.060	0.083	0.109
Islas.Baleares	0.028	0.017	0.036	0.055	0.075	0.096
Canarias	0.027	0.019	0.040	0.062	0.085	0.110
Cantabria	0.030	0.019	0.042	0.064	0.088	0.113
Castilla.La.Mancha	0.055	0.048	0.095	0.144	0.195	0.250
Castilla.y.León	0.050	0.036	0.075	0.118	0.165	0.219
Cataluña	0.040	0.036	0.072	0.110	0.151	0.198
Ceuta	0.032	0.045	0.083	0.115	0.148	0.180
Comunidad.Valenciana	0.036	0.021	0.045	0.071	0.101	0.133
Extremadura	0.031	0.018	0.040	0.060	0.081	0.103
Galicia	0.032	0.034	0.065	0.103	0.154	0.205
Madrid	0.034	0.029	0.059	0.090	0.125	0.165
Melilla	0.020	0.036	0.071	0.109	0.150	0.197
Murcia	0.024	0.017	0.036	0.055	0.075	0.096
Navarra	0.039	0.027	0.056	0.086	0.119	0.158
País.Vasco	0.035	0.024	0.050	0.077	0.107	0.140
La.Rioja	0.029	0.030	0.063	0.099	0.137	0.180

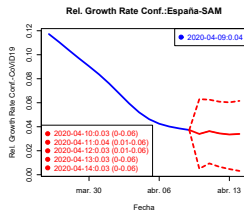
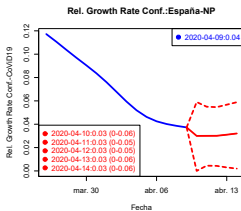
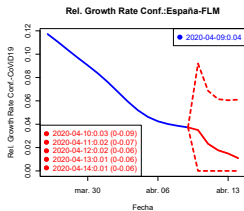
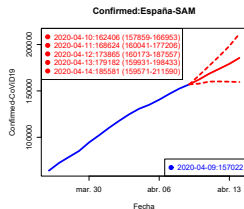
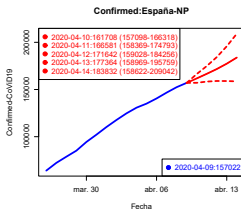
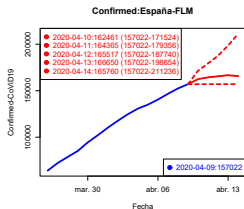
Table: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
- 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.037	0.034	0.074	0.107	0.141	0.182
Andalucía	0.028	0.024	0.050	0.073	0.092	0.122
Aragón	0.036	0.030	0.058	0.083	0.110	0.140
Asturias	0.025	0.023	0.050	0.077	0.107	0.139
Islas.Baleares	0.028	0.026	0.058	0.096	0.142	0.191
Canarias	0.027	0.026	0.054	0.086	0.123	0.162
Cantabria	0.030	0.030	0.059	0.099	0.144	0.189
Castilla.La.Mancha	0.055	0.050	0.097	0.138	0.174	0.222
Castilla.y.León	0.050	0.045	0.094	0.141	0.188	0.240
Cataluña	0.040	0.037	0.086	0.125	0.169	0.220
Ceuta	0.032	0.035	0.078	0.127	0.144	0.173
Comunidad.Valenciana	0.036	0.027	0.062	0.100	0.141	0.184
Extremadura	0.031	0.030	0.066	0.104	0.147	0.191
Galicia	0.032	0.028	0.050	0.066	0.085	0.109
Madrid	0.034	0.032	0.074	0.106	0.143	0.187
Melilla	0.020	0.018	0.049	0.066	0.096	0.129
Murcia	0.024	0.024	0.048	0.076	0.110	0.142
Navarra	0.039	0.036	0.078	0.117	0.159	0.203
País.Vasco	0.035	0.033	0.072	0.107	0.145	0.182
La.Rioja	0.029	0.029	0.051	0.066	0.091	0.116

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

Confirmados: España

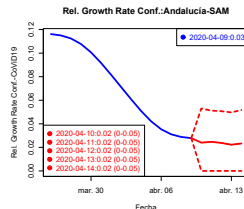
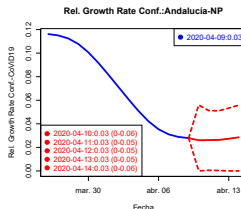
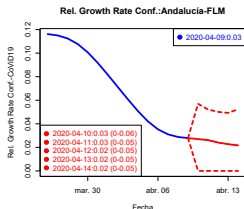
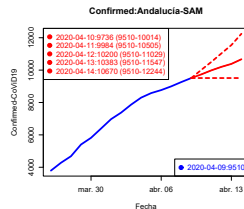
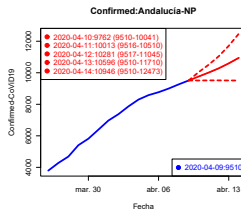
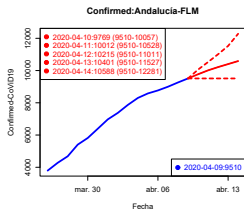


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Andalucía

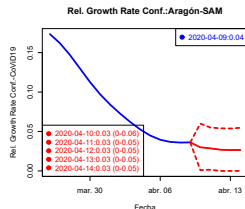
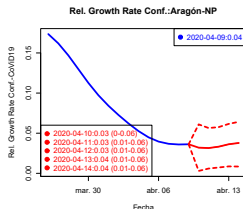
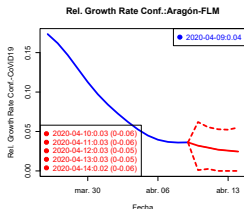
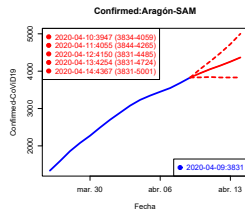
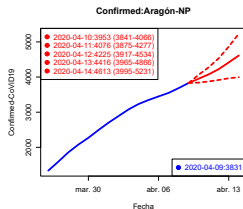
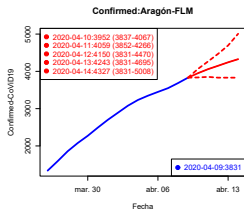


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Aragón

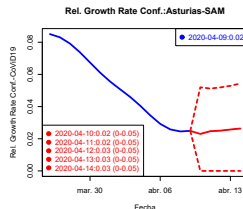
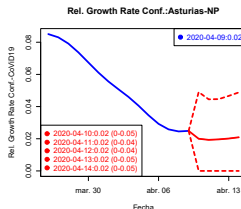
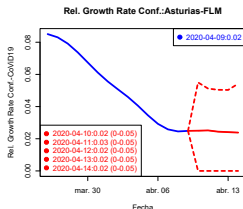
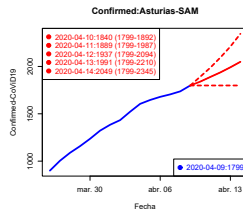
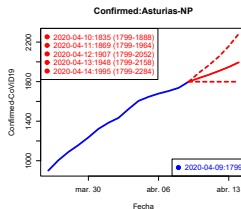
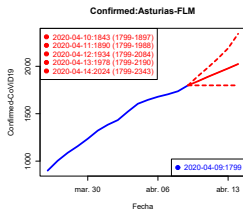


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Asturias

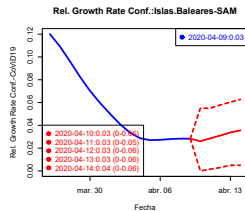
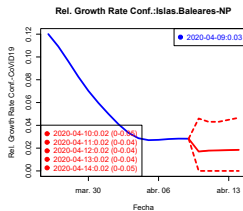
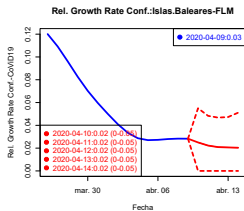
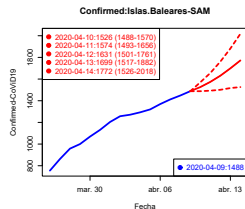
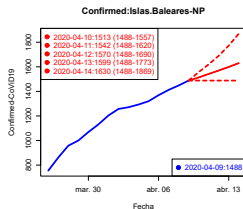
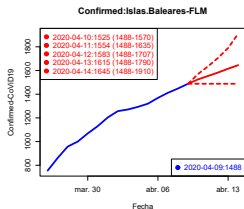


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Islas Baleares

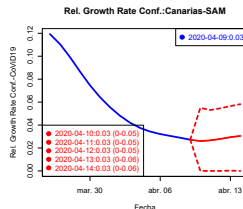
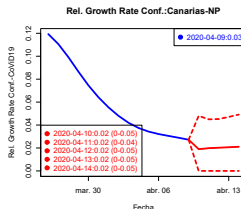
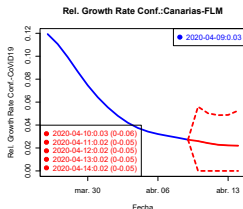
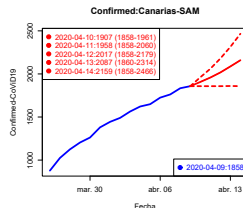
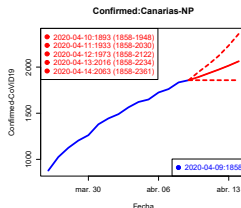
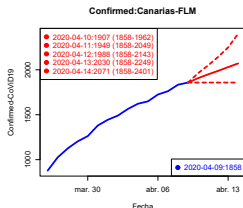


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Canarias

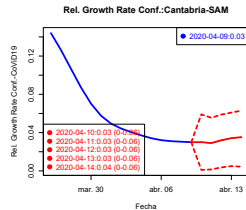
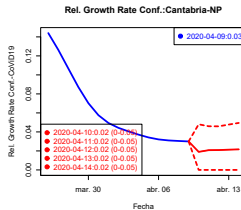
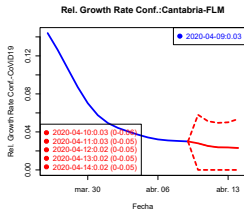
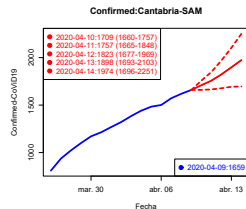
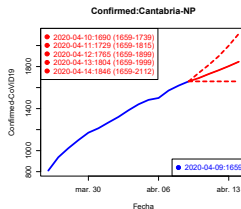
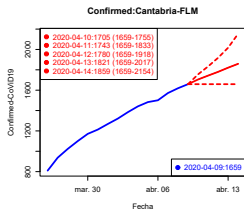


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cantabria

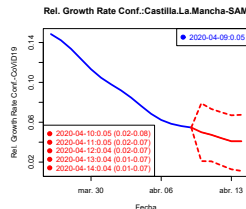
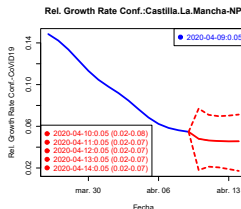
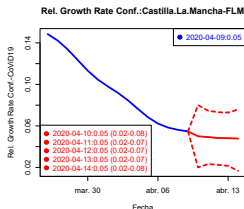
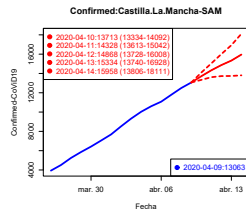
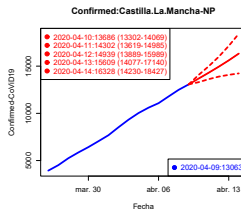
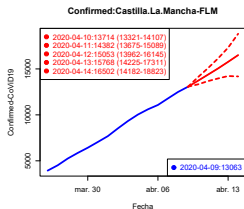


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla-La Mancha

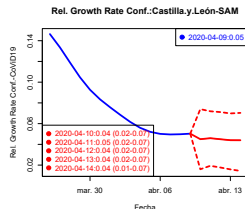
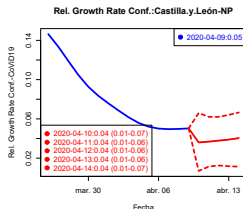
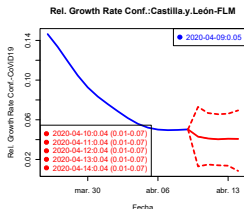
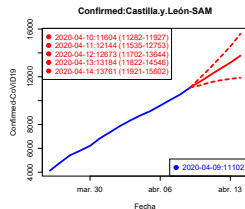
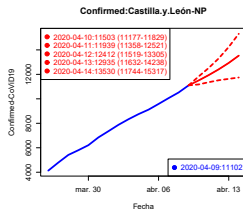
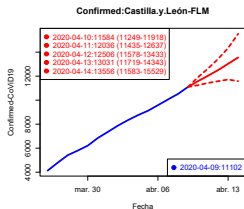


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla y León

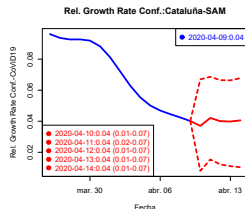
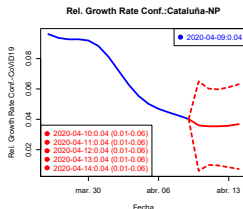
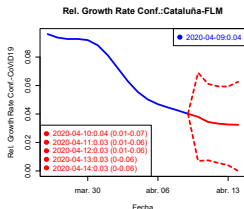
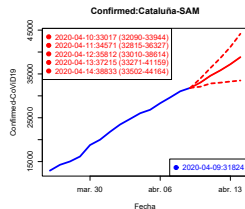
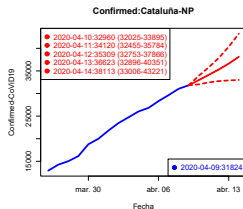
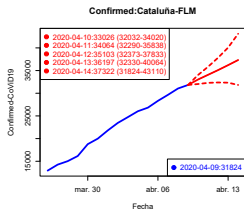


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cataluña



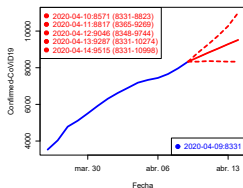
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

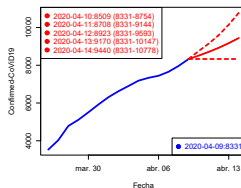
◀ Fallecidos

Confirmados: C. Valenciana

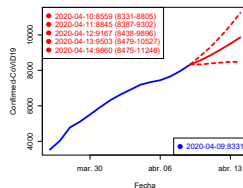
Confirmed:Comunidad.Valenciana-FLM



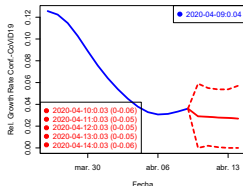
Confirmed:Comunidad.Valenciana-NP



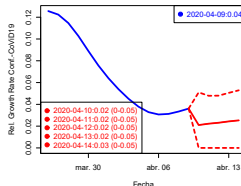
Confirmed:Comunidad.Valenciana-SAM



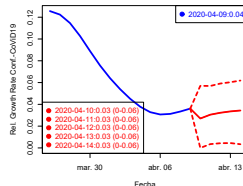
Rel. Growth Rate Conf.:Comunidad.Valenciana-FLM



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



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

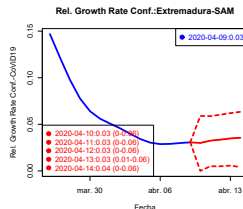
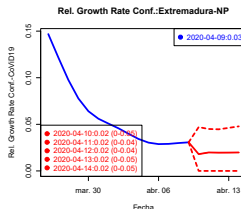
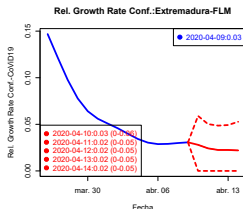
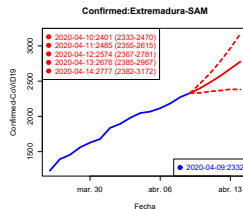
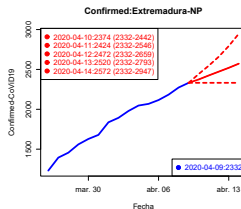
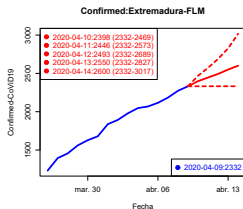


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Extremadura



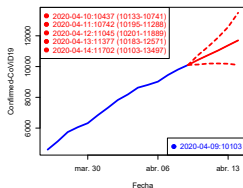
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

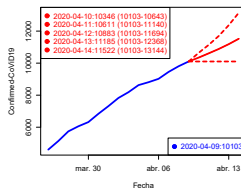
◀ Fallecidos

Confirmados: País Vasco

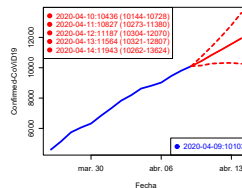
Confirmed:País.Vasco-FLM



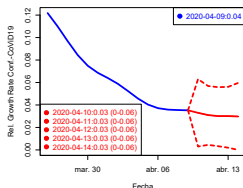
Confirmed:País.Vasco-NP



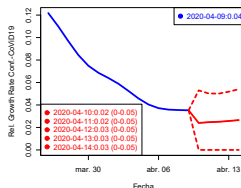
Confirmed:País.Vasco-SAM



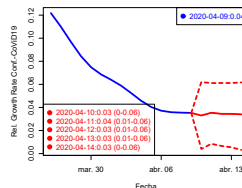
Rel. Growth Rate Conf.:País.Vasco-FLM



Rel. Growth Rate Conf.:País.Vasco-NP



Rel. Growth Rate Conf.:País.Vasco-SAM

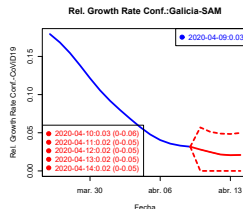
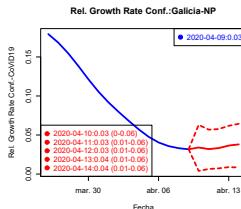
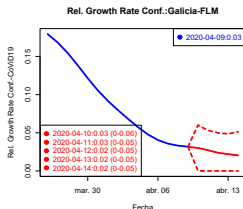
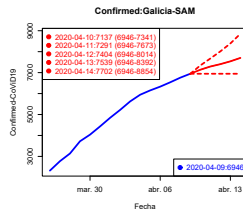
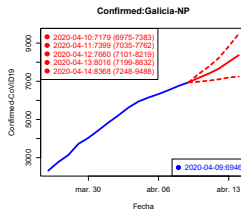
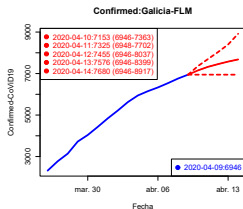


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia

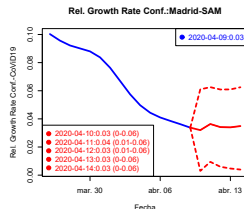
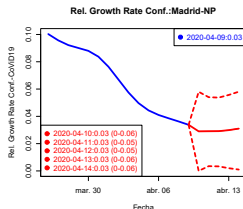
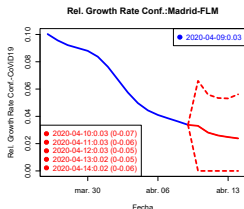
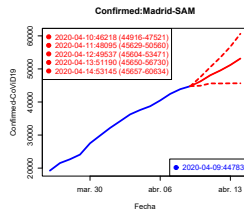
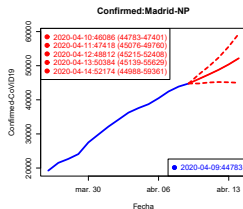
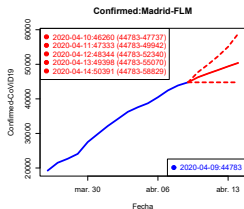


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid



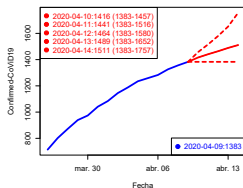
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

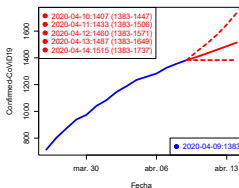
◀ Fallecidos

Confirmados: Murcia

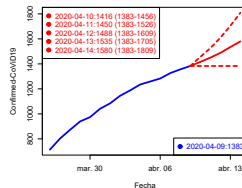
Confirmed:Murcia-FLM



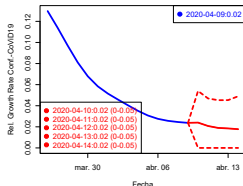
Confirmed:Murcia-NP



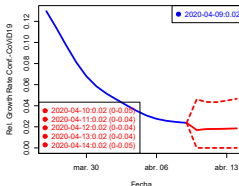
Confirmed:Murcia-SAM



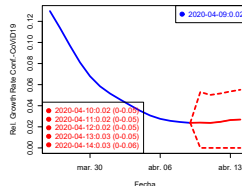
Rel. Growth Rate Conf.:Murcia-FLM



Rel. Growth Rate Conf.:Murcia-NP



Rel. Growth Rate Conf.:Murcia-SAM

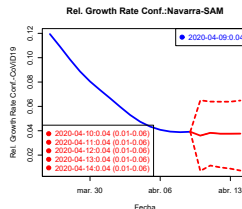
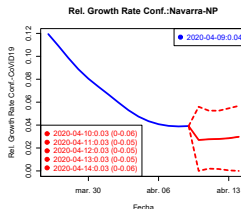
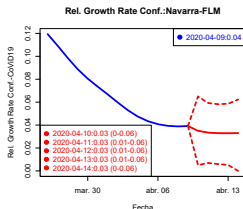
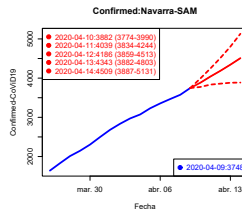
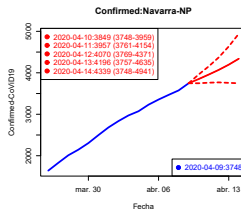
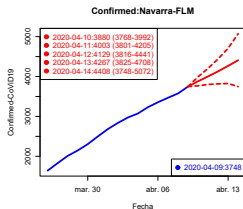


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Navarra

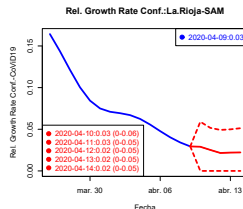
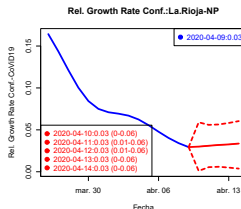
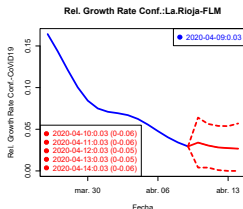
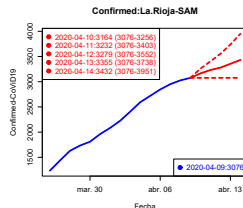
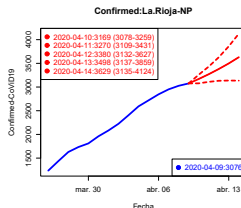
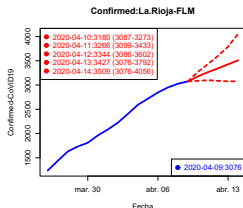


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: La Rioja



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

◀ Confirmados

◀ Fallecidos

Table of Contents

1 Casos Confirmados

- Predicciones

2 Fallecidos

- Predicciones Fallecidos

Modelos para fallecidos por CoViD-19

Número de datos funcionales: 3492

Países/Regiones distintos incorporados: 74

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	0.046	0.011	0.043	0.05	0.004	0.031	0.107	0.833	0.154
H2	0.128	0.032	0.122	0.112	0.016	0.112	0.173	0.839	0.213
H3	0.299	0.079	0.285	0.258	0.066	0.245	0.201	0.835	0.236
H4	0.657	0.199	0.622	0.521	0.112	0.499	0.206	0.813	0.245
H5	1.367	0.424	1.287	0.882	0.171	0.93	0.206	0.808	0.25

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	15843	16225	16530	16742	16760	16584
Andalucía	691	725	761	793	820	839
Aragón	409	421	428	430	417	409
Asturias	121	126	131	137	140	140
Islas.Baleares	97	97	97	97	97	97
Canarias	94	94	94	94	94	94
Cantabria	102	106	110	114	116	115
Castilla.La.Mancha	1431	1487	1541	1594	1621	1632
Castilla.y.León	1129	1150	1159	1155	1129	1129
Cataluña	3231	3241	3231	3231	3231	3231
Ceuta	4	4	5	5	5	5
Comunidad.Valenciana	796	815	830	835	832	819
Extremadura	288	292	295	294	288	288
Galicia	243	251	257	258	256	250
Madrid	5972	6112	6233	6337	6406	6441
Melilla	2	2	2	2	2	3
Murcia	90	90	90	90	90	90
Navarra	218	220	219	218	218	218
País.Vasco	729	760	791	820	843	860
La.Rioja	196	205	214	221	226	232

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

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	15843	16712	17720	18940	20741	23108
Andalucía	691	727	767	818	893	995
Aragón	409	430	452	477	512	559
Asturias	121	125	131	138	151	168
Islas.Baleares	97	101	108	115	130	151
Canarias	94	98	104	112	125	144
Cantabria	102	107	114	122	138	160
Castilla.La.Mancha	1431	1535	1644	1760	1896	2059
Castilla.y.León	1129	1197	1275	1362	1484	1642
Cataluña	3231	3416	3619	3870	4215	4650
Ceuta	4	4	5	5	5	6
Comunidad.Valenciana	796	833	883	945	1050	1199
Extremadura	288	302	322	344	391	453
Galicia	243	256	268	283	302	327
Madrid	5972	6276	6631	7077	7744	8611
Melilla	2	2	2	2	3	3
Murcia	90	94	100	107	121	140
Navarra	218	229	243	260	287	324
País.Vasco	729	765	811	866	961	1087
La.Rioja	196	207	220	234	255	283

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

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	15843	16557	17383	17462	18283	18808
Andalucía	691	726	770	811	894	942
Aragón	409	409	409	409	409	409
Asturias	121	129	137	141	154	161
Islas.Baleares	97	97	97	97	97	97
Canarias	94	94	94	94	94	94
Cantabria	102	104	107	103	108	110
Castilla.La.Mancha	1431	1498	1595	1647	1652	1654
Castilla.y.León	1129	1131	1148	1129	1129	1129
Cataluña	3231	3273	3269	3231	3231	3231
Ceuta	4	4	5	6	6	6
Comunidad.Valenciana	796	821	845	827	871	892
Extremadura	288	288	290	288	288	288
Galicia	243	243	244	243	243	243
Madrid	5972	6354	6717	6860	7303	7706
Melilla	2	2	2	2	3	3
Murcia	90	90	90	90	90	90
Navarra	218	218	222	218	218	218
País.Vasco	729	763	812	849	920	977
La.Rioja	196	202	214	223	237	250

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

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.048	0.024	0.043	0.057	0.058	0.047
Andalucía	0.084	0.050	0.101	0.147	0.187	0.213
Aragón	0.089	0.029	0.047	0.051	0.020	0.000
Asturias	0.085	0.041	0.085	0.133	0.157	0.153
Islas.Baleares	0.050	0.005	0.000	0.000	0.000	0.000
Canarias	0.024	0.004	0.001	0.000	0.000	0.000
Cantabria	0.066	0.038	0.082	0.119	0.135	0.129
Castilla.La.Mancha	0.065	0.039	0.077	0.113	0.133	0.140
Castilla.y.León	0.052	0.018	0.026	0.023	0.000	0.000
Cataluña	0.038	0.003	0.000	0.000	0.000	0.000
Ceuta	0.052	0.069	0.116	0.132	0.165	0.220
Comunidad.Valenciana	0.055	0.024	0.043	0.049	0.045	0.029
Extremadura	0.046	0.015	0.024	0.019	0.000	0.000
Galicia	0.065	0.031	0.056	0.062	0.054	0.030
Madrid	0.037	0.023	0.044	0.061	0.073	0.079
Melilla	0.000	0.022	0.045	0.056	0.108	0.194
Murcia	0.062	0.000	0.000	0.000	0.000	0.000
Navarra	0.034	0.008	0.005	0.000	0.000	0.000
País.Vasco	0.073	0.042	0.085	0.125	0.156	0.179
La.Rioja	0.073	0.046	0.090	0.125	0.153	0.185

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	0.048	0.055	0.118	0.195	0.309	0.459
Andalucía	0.084	0.052	0.110	0.183	0.292	0.440
Aragón	0.089	0.050	0.104	0.165	0.251	0.366
Asturias	0.085	0.033	0.079	0.138	0.246	0.387
Islas.Baleares	0.050	0.042	0.109	0.185	0.339	0.549
Canarias	0.024	0.044	0.109	0.185	0.329	0.525
Cantabria	0.066	0.047	0.118	0.195	0.351	0.567
Castilla.La.Mancha	0.065	0.073	0.149	0.230	0.325	0.438
Castilla.y.León	0.052	0.060	0.129	0.206	0.314	0.454
Cataluña	0.038	0.057	0.120	0.198	0.305	0.439
Ceuta	0.052	0.066	0.145	0.201	0.256	0.307
Comunidad.Valenciana	0.055	0.046	0.110	0.186	0.318	0.505
Extremadura	0.046	0.047	0.118	0.194	0.355	0.572
Galicia	0.065	0.052	0.104	0.163	0.240	0.343
Madrid	0.037	0.051	0.110	0.185	0.297	0.442
Melilla	0.000	0.048	0.098	0.160	0.245	0.349
Murcia	0.062	0.044	0.111	0.186	0.339	0.547
Navarra	0.034	0.051	0.115	0.192	0.317	0.482
País.Vasco	0.073	0.049	0.113	0.188	0.318	0.491
La.Rioja	0.073	0.056	0.120	0.192	0.299	0.440

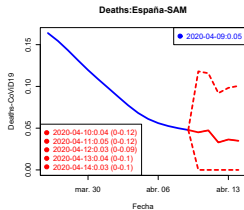
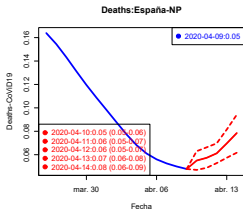
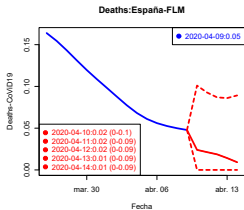
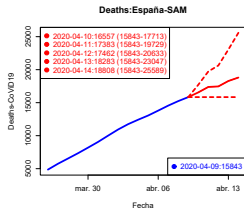
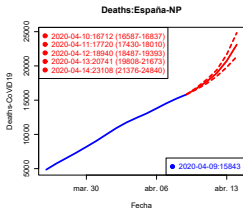
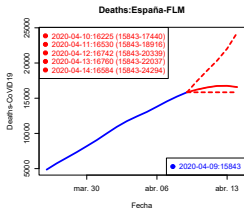
Table: Previsión Ratio Incr. Fallecidos: Mod. No Paramétrico - Horizonte 1 – 5 días.

Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.048	0.045	0.097	0.102	0.154	0.187
Andalucía	0.084	0.050	0.114	0.173	0.294	0.363
Aragón	0.089	0.000	0.000	0.000	0.000	0.000
Asturias	0.085	0.064	0.129	0.164	0.270	0.324
Islas.Baleares	0.050	0.000	0.000	0.000	0.000	0.000
Canarias	0.024	0.000	0.003	0.000	0.000	0.000
Cantabria	0.066	0.015	0.045	0.013	0.059	0.082
Castilla.La.Mancha	0.065	0.047	0.115	0.151	0.154	0.156
Castilla.y.León	0.052	0.001	0.017	0.000	0.000	0.000
Cataluña	0.038	0.013	0.012	0.000	0.000	0.000
Ceuta	0.052	0.071	0.205	0.344	0.382	0.383
Comunidad.Valenciana	0.055	0.032	0.062	0.039	0.094	0.121
Extremadura	0.046	0.000	0.007	0.000	0.000	0.000
Galicia	0.065	0.000	0.006	0.000	0.000	0.000
Madrid	0.037	0.064	0.125	0.149	0.223	0.290
Melilla	0.000	0.060	0.111	0.141	0.262	0.424
Murcia	0.062	0.000	0.000	0.000	0.000	0.000
Navarra	0.034	0.002	0.016	0.000	0.000	0.000
País.Vasco	0.073	0.047	0.113	0.164	0.262	0.340
La.Rioja	0.073	0.032	0.093	0.138	0.209	0.273

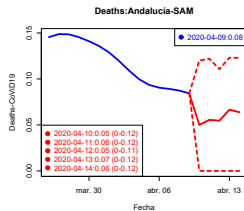
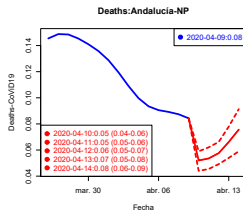
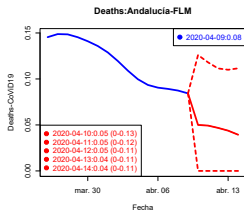
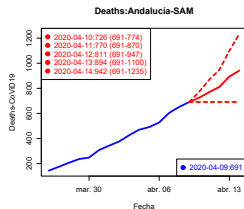
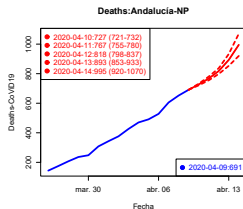
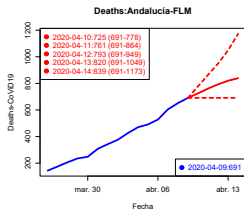
Table: Previsión Ratio Incr. Fallecidos: Mod. Aditivo - Horizonte 1 – 5 días.

Fallecidos: España



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

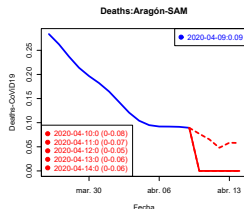
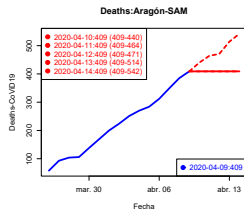
Fallecidos: Andalucía



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

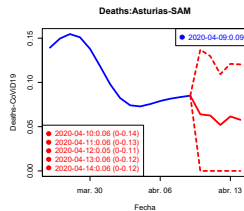
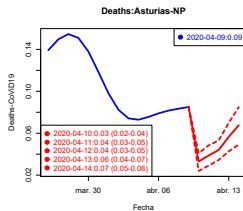
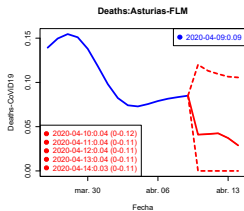
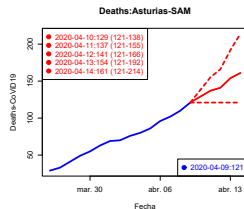
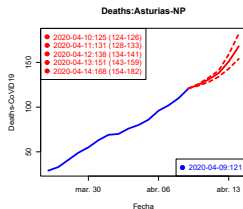
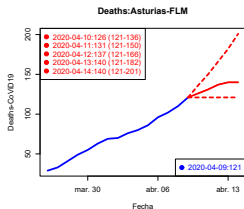
◀ Confirmados

◀ Fallecidos



◀ Confirmados ▶ Fallecidos

Fallecidos: Asturias



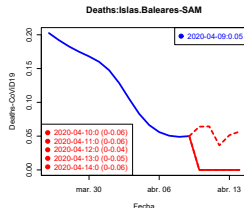
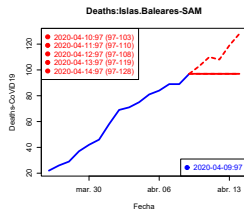
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

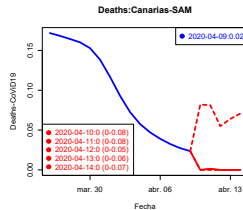
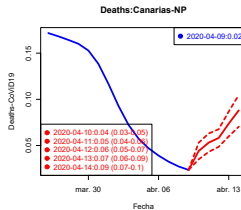
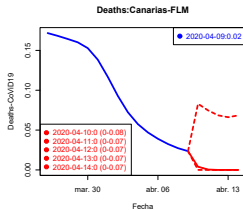
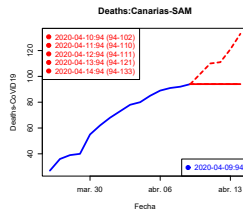
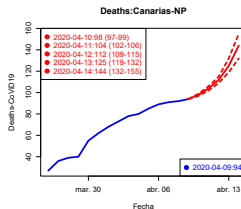
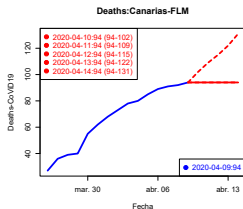
◀ Fallecidos

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

◀ Fallecidos



Fallecidos: Canarias

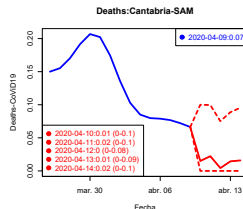
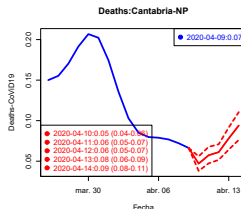
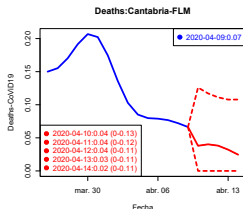
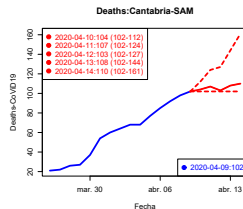
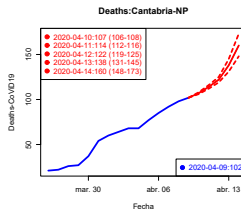
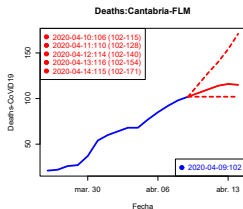


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

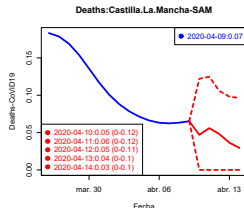
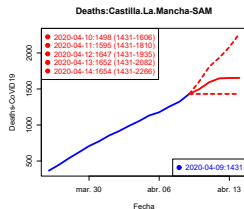
Fallecidos: Cantabria



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

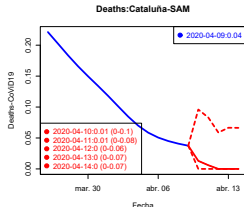
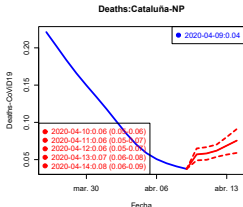
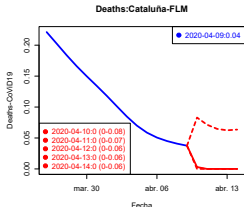
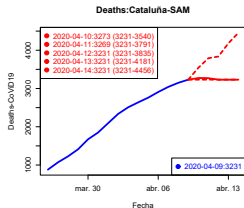
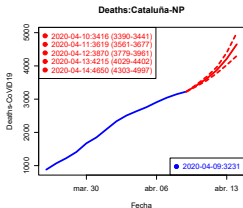
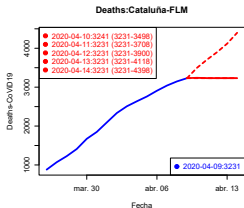
◀ Confirmados

◀ Fallecidos



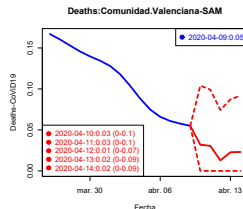
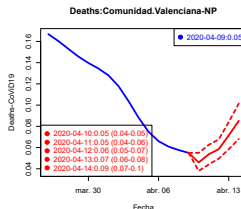
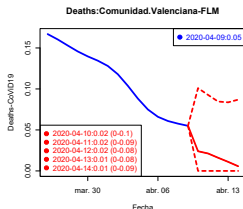
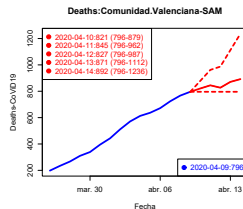
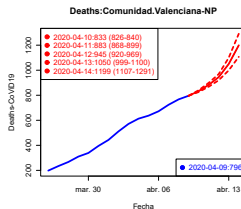
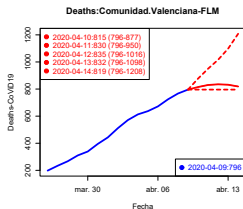
◀ Confirmados ◀ Fallecidos

Fallecidos: Cataluña



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

Fallecidos: C. Valenciana

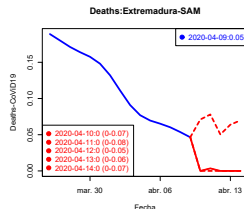
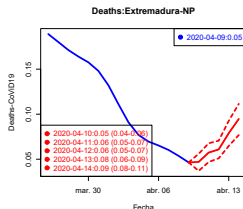
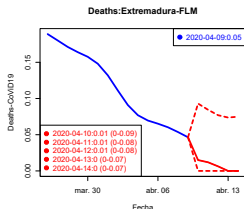
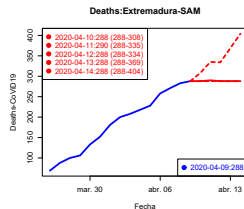
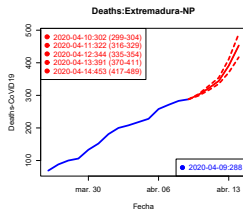
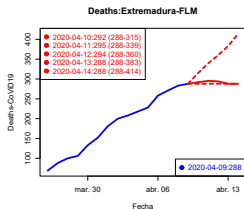


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

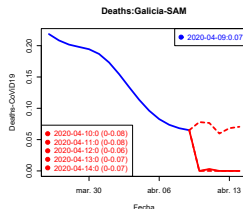
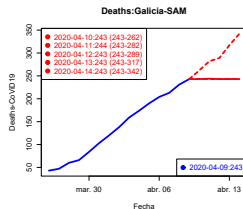
Fallecidos: Extremadura



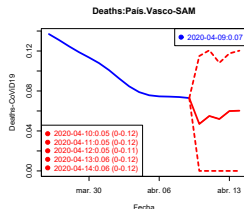
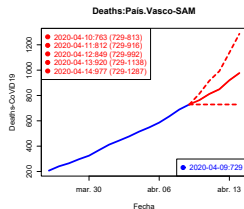
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

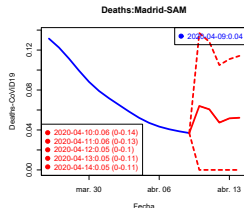
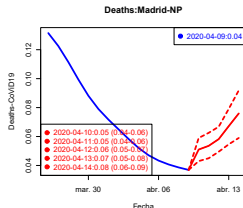
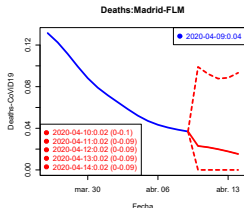
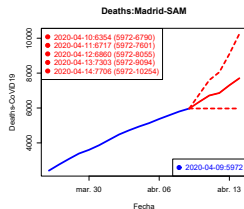
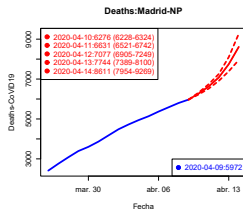
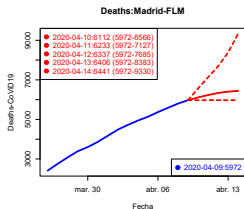


◀ Confirmados ◀ Fallecidos



◀ Confirmados ◀ Fallecidos

Fallecidos: Madrid

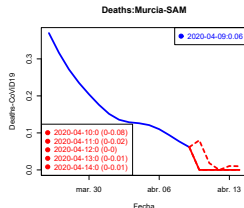
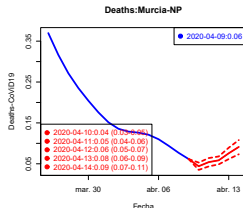
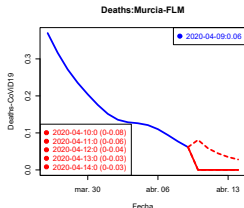
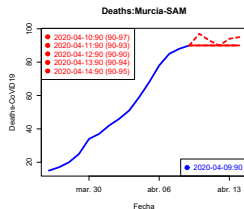
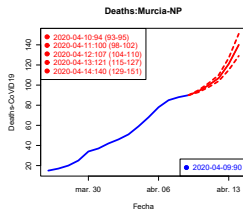
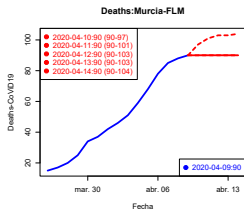


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Murcia

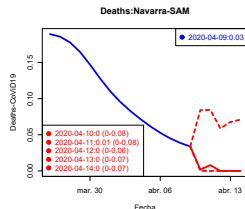
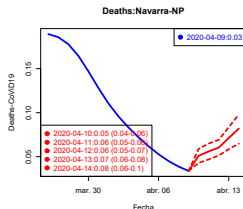
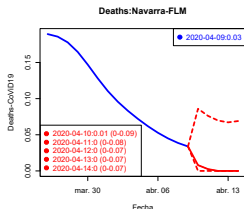
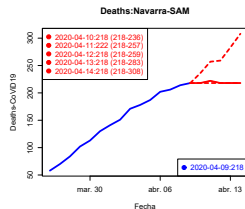
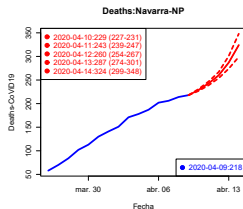
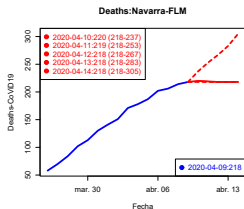


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Navarra

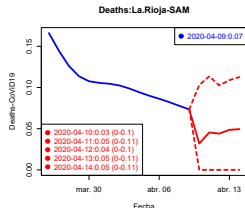
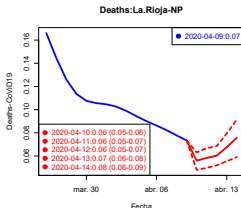
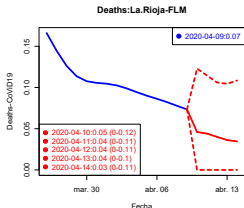
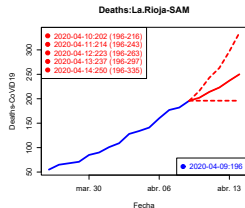
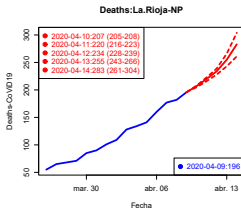
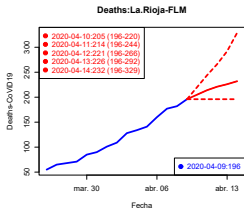


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ 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.