

Predicciones sobre CoViD-19

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DEPARTAMENTO DE ESTATÍSTICA,
ANÁLISE MATEMÁTICA E OPTIMIZACIÓN



- Predicciones

- Predicciones Fallecidos

Datos

Número de datos funcionales: 5231

Países/Regiones distintos incorporados: 169

Predicciones:

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

	σ_R^2			$\sigma_R^2(rob.)$			r^2		
Horiz	FLM	NP	SAM	FLM	NP	SAM	FLM	NP	SAM
H1	0.001	0.001	0.001	0.001	0.001	0.001	0.525	0.734	0.536
H2	0.003	0.002	0.003	0.003	0.002	0.003	0.644	0.81	0.656
H3	0.007	0.004	0.006	0.007	0.004	0.006	0.686	0.833	0.696
H4	0.011	0.007	0.011	0.012	0.007	0.012	0.703	0.842	0.711
H5	0.018	0.011	0.018	0.021	0.012	0.02	0.709	0.845	0.72

Último dato: 2020-05-02 21:00 que se publica 2020-05-03 12:00.

Tabla Previsión Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	217466	218389	219108	219618	220038	220347
Andalucía	12175	12231	12278	12326	12366	12403
Aragón	5164	5196	5226	5257	5286	5315
Asturias	2305	2316	2326	2337	2346	2356
Islas.Baleares	1908	1917	1926	1934	1942	1950
Canarias	2221	2230	2238	2245	2251	2257
Cantabria	2205	2222	2238	2254	2270	2285
Castilla.La.Mancha	16017	16088	16153	16214	16267	16325
Castilla.y.León	17283	17427	17570	17714	17854	18004
Cataluña	50234	50690	51134	51537	51919	52315
Ceuta	101	101	102	102	102	102
Comunidad.Valenciana	10436	10488	10534	10580	10624	10669
Extremadura	2844	2864	2884	2905	2926	2947
Galicia	8967	8967	8967	8967	8967	8967
Madrid	62205	62573	62921	63274	63583	63880
Melilla	117	118	119	120	121	122
Murcia	1492	1497	1501	1505	1509	1512
Navarra	4902	4935	4966	4996	5025	5054
País.Vasco	12938	13013	13081	13156	13231	13312
La.Rioja	3952	3968	3980	3991	4001	4011

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

Tabla Previsión Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	217466	218352	219196	220018	220835	221619
Andalucía	12175	12213	12250	12286	12322	12358
Aragón	5164	5181	5196	5212	5228	5243
Asturias	2305	2310	2314	2319	2324	2329
Islas.Baleares	1908	1913	1918	1923	1928	1933
Canarias	2221	2226	2231	2236	2242	2247
Cantabria	2205	2213	2220	2228	2235	2243
Castilla.La.Mancha	16017	16058	16098	16137	16178	16218
Castilla.y.León	17283	17365	17443	17519	17596	17668
Cataluña	50234	50597	50944	51278	51609	51918
Ceuta	101	101	101	101	102	102
Comunidad.Valenciana	10436	10460	10484	10508	10532	10557
Extremadura	2844	2850	2856	2862	2868	2874
Galicia	8967	8993	9018	9042	9065	9088
Madrid	62205	62478	62737	62989	63240	63479
Melilla	117	117	118	118	118	119
Murcia	1492	1495	1497	1500	1503	1506
Navarra	4902	4917	4931	4945	4959	4973
País.Vasco	12938	12976	13013	13050	13088	13125
La.Rioja	3952	3962	3972	3981	3991	4001

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

Tabla Previsión Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	217466	218504	219598	220525	221265	222063
Andalucía	12175	12210	12242	12268	12291	12309
Aragón	5164	5187	5214	5238	5260	5284
Asturias	2305	2313	2323	2332	2341	2353
Islas.Baleares	1908	1914	1920	1925	1930	1934
Canarias	2221	2226	2230	2233	2235	2235
Cantabria	2205	2220	2234	2247	2262	2276
Castilla.La.Mancha	16017	16059	16106	16144	16177	16205
Castilla.y.León	17283	17393	17514	17621	17718	17809
Cataluña	50234	50636	51074	51467	51727	52082
Ceuta	101	101	101	101	102	102
Comunidad.Valenciana	10436	10470	10503	10536	10573	10599
Extremadura	2844	2861	2881	2901	2923	2947
Galicia	8967	8967	8967	8967	8967	8967
Madrid	62205	62511	62909	63229	63538	63922
Melilla	117	118	119	119	120	120
Murcia	1492	1494	1497	1500	1503	1506
Navarra	4902	4929	4952	4974	4996	5014
País.Vasco	12938	12978	13026	13072	13125	13146
La.Rioja	3952	3960	3963	3966	3970	3966

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	0.006	0.004	0.008	0.010	0.012	0.013
Andalucía	0.003	0.005	0.008	0.012	0.016	0.019
Aragón	0.005	0.006	0.012	0.018	0.024	0.029
Asturias	0.003	0.005	0.009	0.014	0.018	0.022
Islas.Baleares	0.004	0.005	0.009	0.014	0.018	0.022
Canarias	0.003	0.004	0.008	0.011	0.014	0.016
Cantabria	0.006	0.008	0.015	0.022	0.029	0.036
Castilla.La.Mancha	0.004	0.004	0.008	0.012	0.016	0.019
Castilla.y.León	0.008	0.008	0.017	0.025	0.033	0.042
Cataluña	0.009	0.009	0.018	0.026	0.034	0.041
Ceuta	0.000	0.003	0.005	0.007	0.009	0.010
Comunidad.Valenciana	0.004	0.005	0.009	0.014	0.018	0.022
Extremadura	0.007	0.007	0.014	0.021	0.029	0.036
Galicia	-0.000	0.000	0.000	0.000	0.000	0.000
Madrid	0.006	0.006	0.012	0.017	0.022	0.027
Melilla	0.008	0.009	0.018	0.026	0.034	0.043
Murcia	0.002	0.003	0.006	0.009	0.011	0.013
Navarra	0.006	0.007	0.013	0.019	0.025	0.031
País.Vasco	0.006	0.006	0.011	0.017	0.023	0.029
La.Rioja	0.003	0.004	0.007	0.010	0.012	0.015

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	0.006	0.004	0.008	0.012	0.015	0.019
Andalucía	0.003	0.003	0.006	0.009	0.012	0.015
Aragón	0.005	0.003	0.006	0.009	0.012	0.015
Asturias	0.003	0.002	0.004	0.006	0.008	0.011
Islas.Baleares	0.004	0.003	0.005	0.008	0.010	0.013
Canarias	0.003	0.002	0.005	0.007	0.009	0.012
Cantabria	0.006	0.004	0.007	0.010	0.014	0.017
Castilla.La.Mancha	0.004	0.003	0.005	0.008	0.010	0.013
Castilla.y.León	0.008	0.005	0.009	0.014	0.018	0.022
Cataluña	0.009	0.007	0.014	0.021	0.027	0.034
Ceuta	0.000	0.001	0.003	0.005	0.006	0.008
Comunidad.Valenciana	0.004	0.002	0.005	0.007	0.009	0.012
Extremadura	0.007	0.002	0.004	0.006	0.008	0.011
Galicia	-0.000	0.003	0.006	0.008	0.011	0.014
Madrid	0.006	0.004	0.009	0.013	0.017	0.020
Melilla	0.008	0.003	0.006	0.009	0.012	0.015
Murcia	0.002	0.002	0.003	0.005	0.007	0.009
Navarra	0.006	0.003	0.006	0.009	0.012	0.015
País.Vasco	0.006	0.003	0.006	0.009	0.012	0.014
La.Rioja	0.003	0.003	0.005	0.007	0.010	0.012

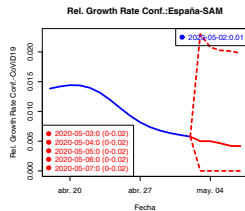
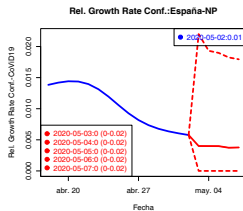
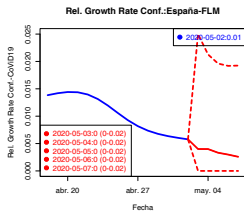
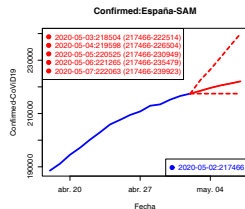
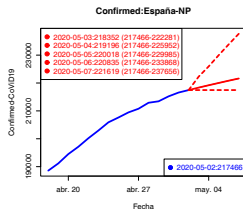
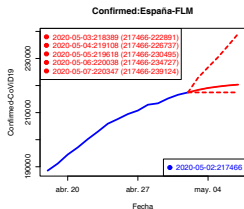
Table: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
– 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.006	0.005	0.010	0.014	0.017	0.021
Andalucía	0.003	0.003	0.005	0.008	0.009	0.011
Aragón	0.005	0.005	0.010	0.014	0.019	0.023
Asturias	0.003	0.004	0.008	0.012	0.016	0.021
Islas.Baleares	0.004	0.003	0.006	0.009	0.011	0.014
Canarias	0.003	0.002	0.004	0.005	0.006	0.007
Cantabria	0.006	0.007	0.013	0.019	0.026	0.032
Castilla.La.Mancha	0.004	0.003	0.006	0.008	0.010	0.012
Castilla.y.León	0.008	0.006	0.013	0.020	0.025	0.030
Cataluña	0.009	0.008	0.017	0.025	0.030	0.037
Ceuta	0.000	0.001	0.003	0.004	0.006	0.008
Comunidad.Valenciana	0.004	0.003	0.006	0.010	0.013	0.016
Extremadura	0.007	0.006	0.013	0.020	0.028	0.036
Galicia	-0.000	0.000	0.000	0.000	0.000	0.000
Madrid	0.006	0.005	0.011	0.016	0.021	0.028
Melilla	0.008	0.007	0.013	0.019	0.024	0.027
Murcia	0.002	0.002	0.004	0.005	0.007	0.010
Navarra	0.006	0.006	0.010	0.015	0.019	0.023
País.Vasco	0.006	0.003	0.007	0.010	0.014	0.016
La.Rioja	0.003	0.002	0.003	0.004	0.005	0.003

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

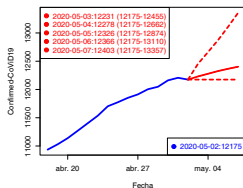
Confirmados: España



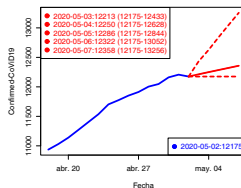
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

Confirmados: Andalucía

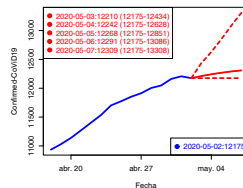
Confirmed:Andalucía-FLM



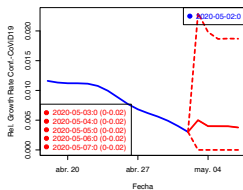
Confirmed:Andalucía-NP



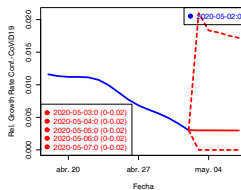
Confirmed:Andalucía-SAM



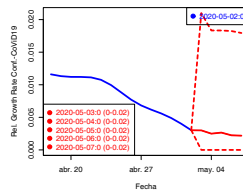
Rel. Growth Rate Conf.:Andalucia-FLM



Rel. Growth Rate Conf.:Andalucia-NP



Rel. Growth Rate Conf.:Andalucia-SAM

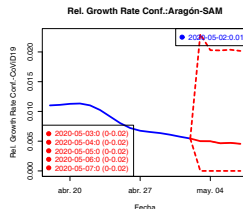
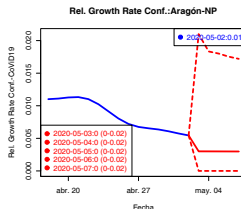
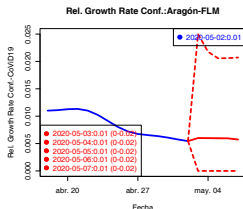
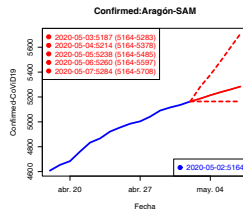
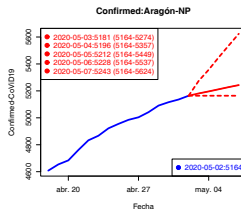
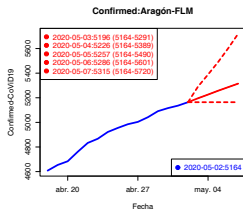


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Aragón

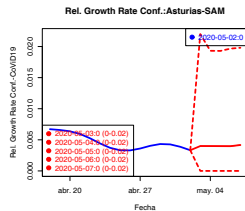
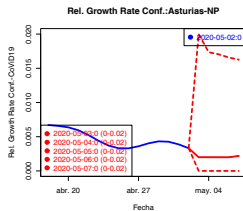
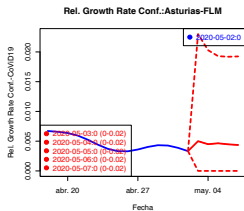
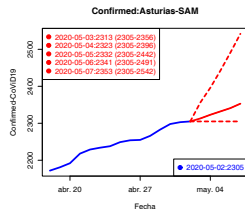
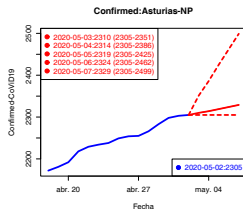
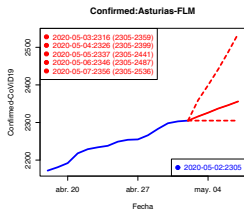


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Asturias

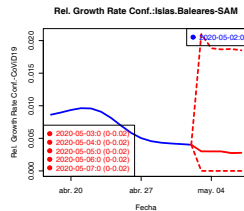
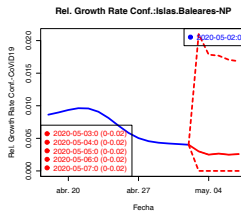
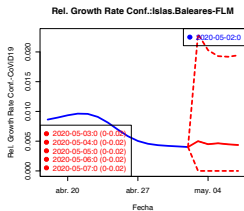
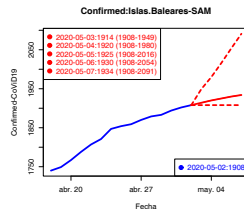
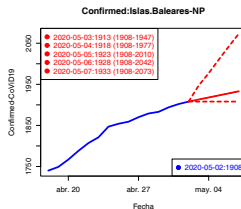
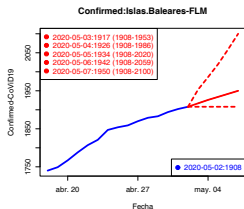


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Islas Baleares

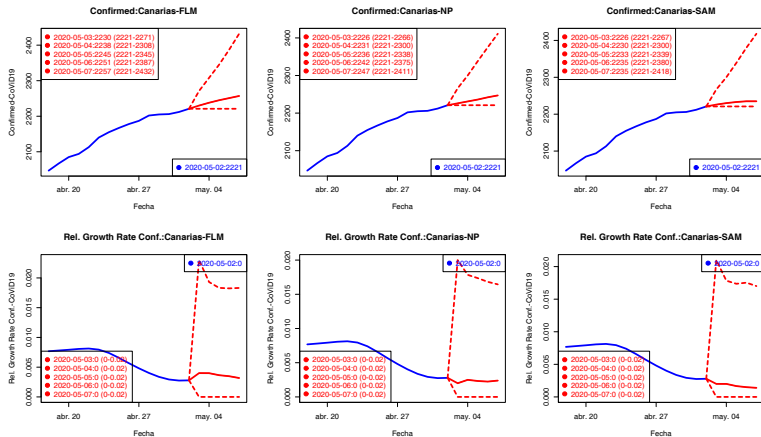


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Canarias

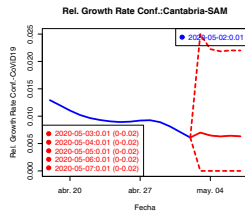
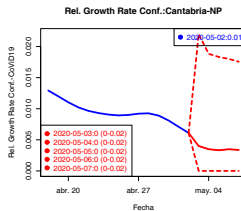
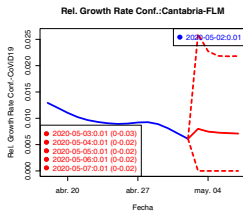
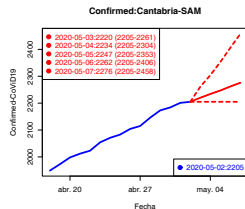
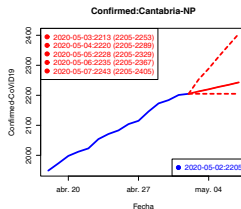
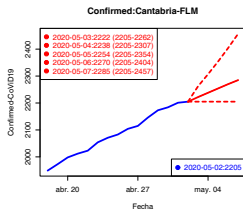


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

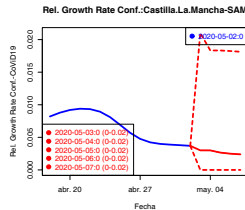
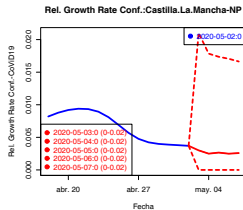
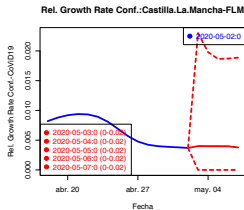
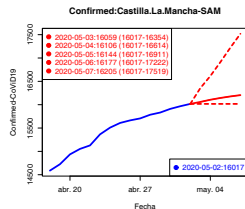
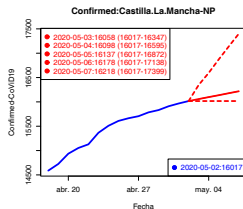
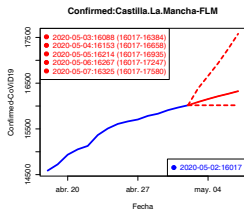
◀ Fallecidos

Confirmados: Cantabria



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

Confirmados: Castilla-La Mancha

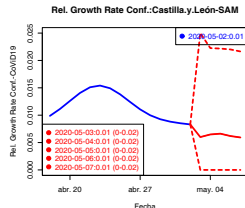
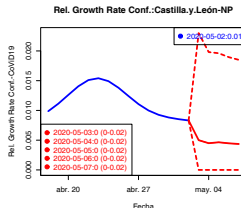
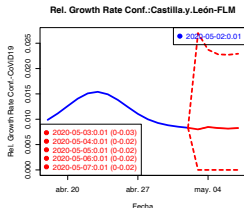
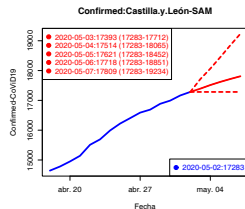
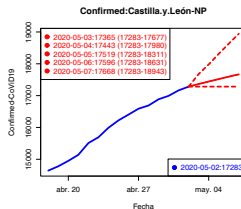
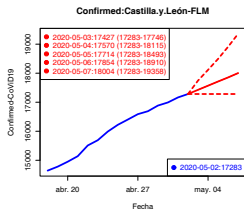


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

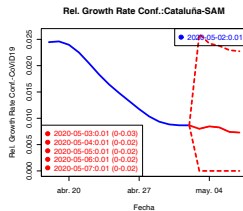
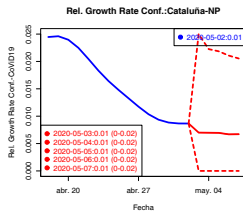
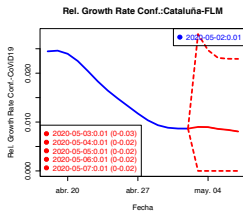
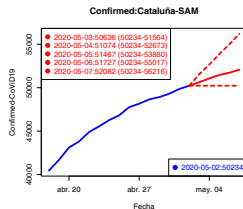
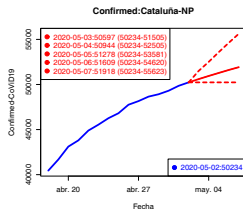
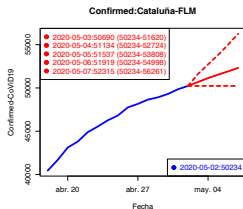
◀ Fallecidos

Confirmados: Castilla y León



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

Confirmados: Cataluña

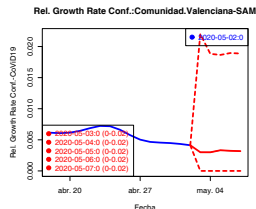
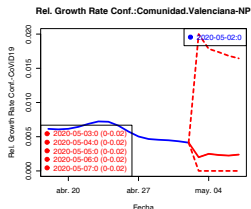
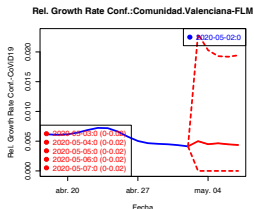
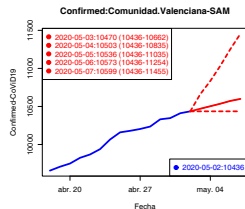
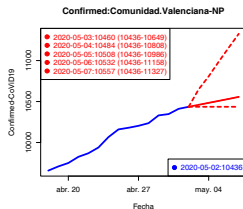
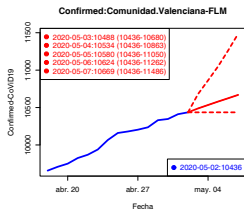


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: C. Valenciana

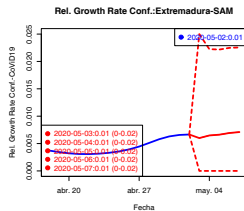
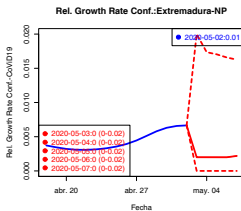
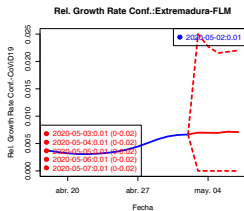
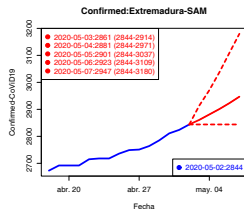
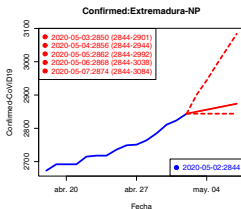
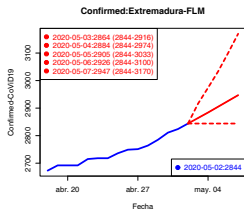


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Extremadura

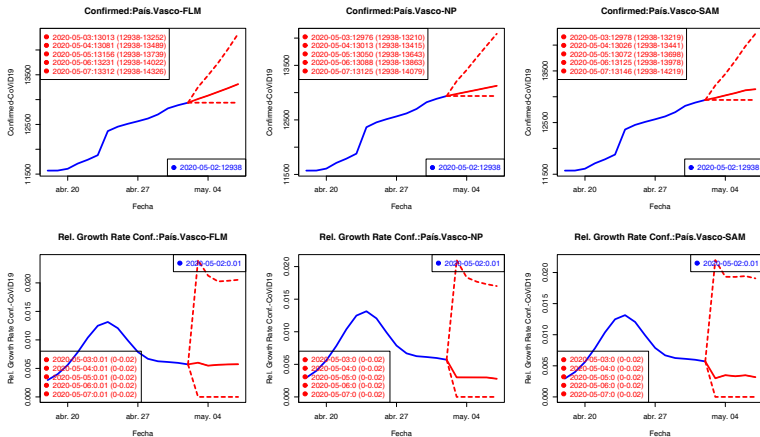


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: País Vasco

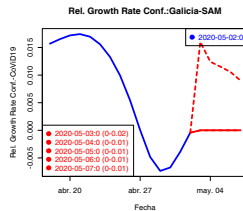
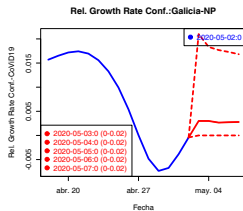
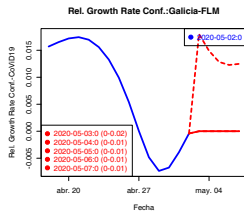
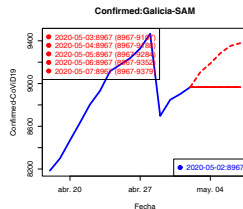
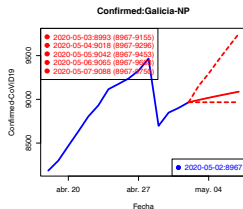
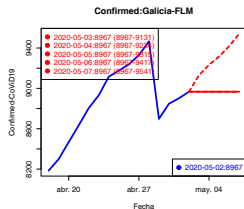


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia

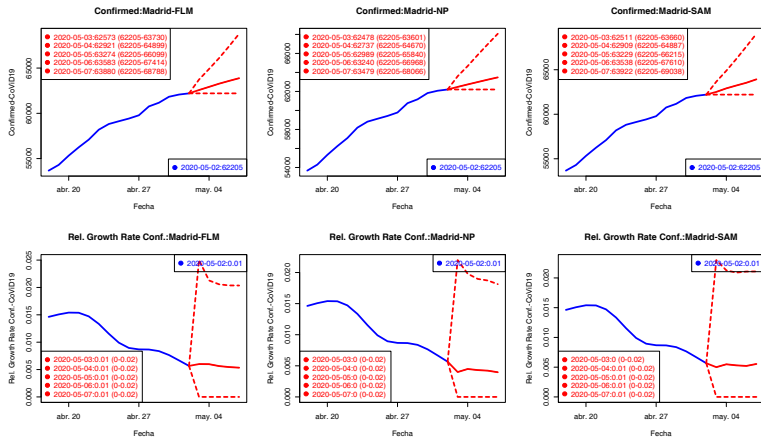


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid

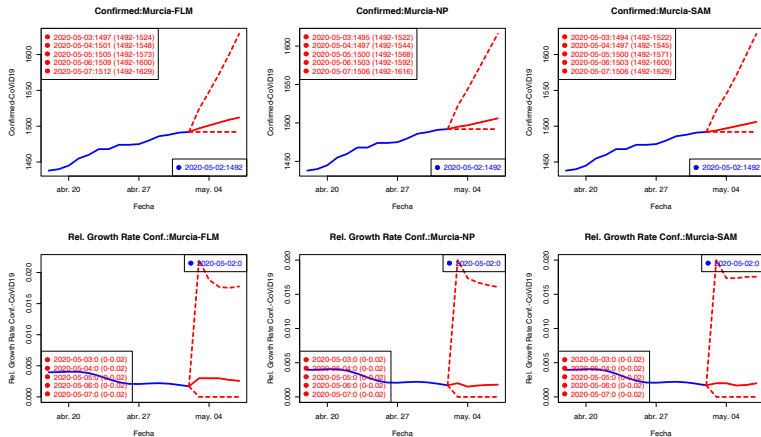


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Murcia

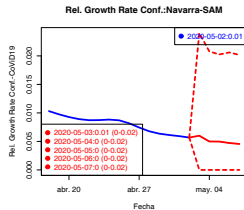
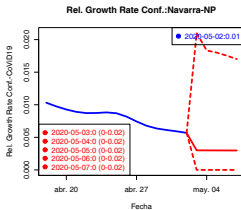
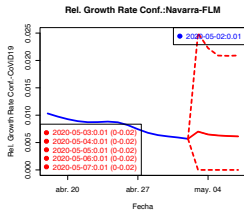
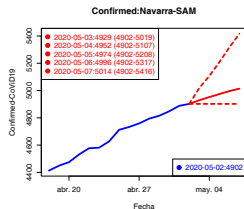
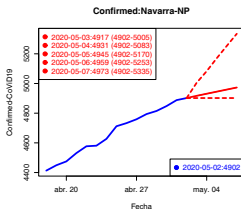
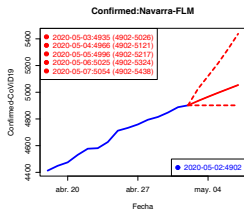


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Navarra

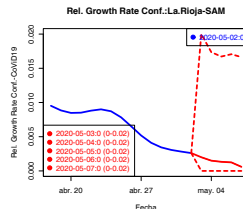
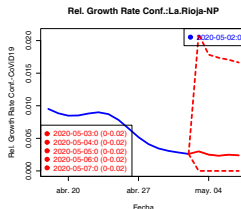
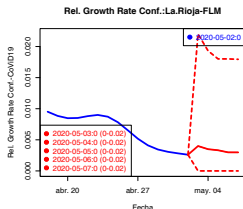
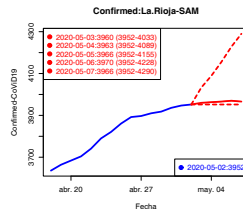
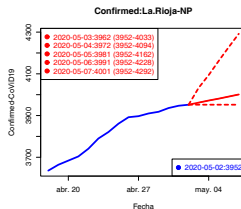
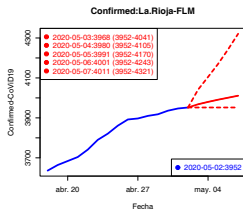


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: La Rioja



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

◀ Confirmados

◀ Fallecidos

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- Predicciones

2 Fallecidos

- Predicciones Fallecidos

Modelos para fallecidos por CoViD-19

Número de datos funcionales: 7654

Países/Regiones distintos incorporados: 104

Predicciones:

▶ España

▶ Andalucía

▶ Aragón

▶ Asturias

▶ I. Baleares

▶ Canarias

▶ Cantabria

▶ Castilla-La Mancha

▶ Castilla y León

▶ Cataluña

▶ C. Valenciana

▶ Extremadura

▶ País Vasco

▶ Galicia

▶ Madrid

▶ Murcia

▶ Navarra

▶ La Rioja

▶ Mod Lineal

▶ Mod NP

▶ Mod Aditivo

	σ_R^2			$\sigma_R^2(rob.)$			r^2		
Horiz	FLM	NP	SAM	FLM	NP	SAM	FLM	NP	SAM
H1	0.001	0.001	0.001	0.001	0.001	0.001	0.474	0.472	0.491
H2	0.003	0.003	0.002	0.003	0.002	0.002	0.599	0.594	0.636
H3	0.005	0.005	0.004	0.006	0.006	0.005	0.657	0.652	0.706
H4	0.008	0.008	0.006	0.01	0.01	0.008	0.691	0.684	0.748
H5	0.012	0.012	0.009	0.017	0.014	0.012	0.701	0.692	0.762

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	25264	25575	25860	26108	26326	26543
Andalucía	1256	1272	1288	1302	1315	1329
Aragón	761	769	776	781	786	790
Asturias	280	285	289	293	297	300
Islas.Baleares	197	200	203	206	208	211
Canarias	140	141	143	144	145	146
Cantabria	195	197	199	200	201	202
Castilla.La.Mancha	2565	2599	2631	2659	2685	2710
Castilla.y.León	1800	1821	1840	1856	1870	1884
Cataluña	5185	5267	5344	5415	5481	5548
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1264	1277	1290	1300	1309	1318
Extremadura	460	466	471	475	480	484
Galicia	563	588	613	638	662	687
Madrid	8332	8406	8469	8520	8559	8596
Melilla	2	2	2	2	2	2
Murcia	134	135	136	137	138	138
Navarra	462	468	473	477	480	483
País.Vasco	1329	1345	1359	1372	1383	1393
La.Rioja	335	339	342	344	345	347

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

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	25264	25716	26151	26567	26960	27348
Andalucía	1256	1279	1301	1323	1343	1363
Aragón	761	775	788	801	813	824
Asturias	280	286	292	297	302	308
Islas.Baleares	197	201	204	208	211	214
Canarias	140	142	145	147	149	151
Cantabria	195	199	202	206	209	212
Castilla.La.Mancha	2565	2614	2660	2705	2748	2790
Castilla.y.León	1800	1832	1863	1893	1921	1949
Cataluña	5185	5283	5377	5467	5553	5638
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1264	1286	1307	1327	1346	1365
Extremadura	460	468	476	483	490	497
Galicia	563	576	589	602	615	627
Madrid	8332	8472	8606	8735	8856	8975
Melilla	2	2	2	2	2	2
Murcia	134	136	138	141	142	144
Navarra	462	471	479	487	494	502
País.Vasco	1329	1354	1377	1400	1421	1442
La.Rioja	335	341	347	352	357	362

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

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	25264	25558	25879	26153	26382	26601
Andalucía	1256	1272	1289	1300	1312	1324
Aragón	761	768	776	781	785	789
Asturias	280	284	288	291	293	295
Islas Baleares	197	200	202	204	207	209
Canarias	140	142	143	145	147	148
Cantabria	195	197	199	200	201	201
Castilla La Mancha	2565	2595	2623	2641	2658	2674
Castilla y León	1800	1821	1843	1864	1880	1895
Cataluña	5185	5267	5352	5419	5481	5540
Ceuta	4	4	4	4	4	4
Comunidad Valenciana	1264	1277	1293	1308	1321	1333
Extremadura	460	466	473	480	486	493
Galicia	563	583	600	613	624	630
Madrid	8332	8405	8500	8599	8679	8752
Melilla	2	2	2	2	2	2
Murcia	134	135	136	138	139	140
Navarra	462	467	472	475	478	481
País Vasco	1329	1344	1359	1371	1380	1388
La Rioja	335	338	341	345	346	347

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

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.010	0.012	0.024	0.033	0.042	0.051
Andalucía	0.012	0.013	0.025	0.036	0.047	0.058
Aragón	0.008	0.010	0.019	0.026	0.032	0.038
Asturias	0.012	0.017	0.033	0.047	0.060	0.073
Islas.Baleares	0.014	0.015	0.030	0.043	0.056	0.068
Canarias	0.011	0.011	0.020	0.029	0.036	0.045
Cantabria	0.007	0.010	0.019	0.025	0.030	0.034
Castilla.La.Mancha	0.013	0.013	0.026	0.037	0.047	0.057
Castilla.y.León	0.009	0.012	0.022	0.031	0.039	0.047
Cataluña	0.014	0.016	0.031	0.044	0.057	0.070
Ceuta	0.000	0.004	0.006	0.006	0.005	0.004
Comunidad.Valenciana	0.009	0.011	0.020	0.028	0.035	0.043
Extremadura	0.011	0.012	0.024	0.034	0.043	0.052
Galicia	0.023	0.044	0.089	0.132	0.176	0.219
Madrid	0.007	0.009	0.016	0.023	0.027	0.032
Melilla	0.000	0.004	0.006	0.006	0.005	0.003
Murcia	0.008	0.008	0.016	0.022	0.026	0.031
Navarra	0.008	0.012	0.023	0.032	0.039	0.046
País.Vasco	0.009	0.012	0.023	0.032	0.040	0.048
La.Rioja	0.004	0.011	0.020	0.026	0.031	0.035

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

Tabla Ratio Incr. Fallecidos: Mod. No Paramétrico.

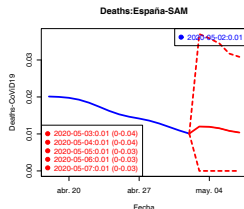
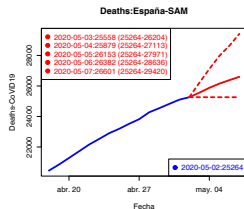
	Last	H1	H2	H3	H4	H5
España	0.010	0.018	0.035	0.052	0.067	0.082
Andalucía	0.012	0.018	0.036	0.053	0.069	0.085
Aragón	0.008	0.018	0.035	0.052	0.068	0.083
Asturias	0.012	0.021	0.042	0.061	0.080	0.099
Islas.Baleares	0.014	0.019	0.037	0.054	0.070	0.086
Canarias	0.011	0.017	0.034	0.050	0.065	0.079
Cantabria	0.007	0.019	0.037	0.054	0.070	0.086
Castilla.La.Mancha	0.013	0.019	0.037	0.055	0.071	0.088
Castilla.y.León	0.009	0.018	0.035	0.052	0.067	0.083
Cataluña	0.014	0.019	0.037	0.054	0.071	0.087
Ceuta	0.000	0.015	0.030	0.044	0.057	0.069
Comunidad.Valenciana	0.009	0.017	0.034	0.050	0.065	0.080
Extremadura	0.011	0.017	0.034	0.050	0.065	0.079
Galicia	0.023	0.024	0.047	0.069	0.091	0.114
Madrid	0.007	0.017	0.033	0.048	0.063	0.077
Melilla	0.000	0.015	0.030	0.044	0.057	0.069
Murcia	0.008	0.017	0.033	0.048	0.063	0.077
Navarra	0.008	0.019	0.036	0.053	0.069	0.085
País.Vasco	0.009	0.018	0.036	0.053	0.069	0.085
La.Rioja	0.004	0.018	0.035	0.051	0.066	0.081

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

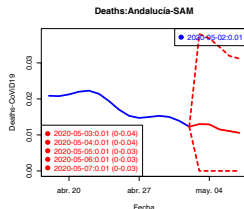
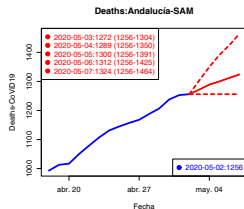
Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.010	0.012	0.024	0.035	0.044	0.053
Andalucía	0.012	0.013	0.026	0.035	0.045	0.054
Aragón	0.008	0.010	0.020	0.027	0.032	0.036
Asturias	0.012	0.016	0.029	0.038	0.045	0.053
Islas.Baleares	0.014	0.013	0.027	0.037	0.048	0.059
Canarias	0.011	0.011	0.025	0.036	0.047	0.057
Cantabria	0.007	0.010	0.020	0.025	0.029	0.031
Castilla.La.Mancha	0.013	0.012	0.023	0.030	0.036	0.042
Castilla.y.León	0.009	0.011	0.024	0.035	0.044	0.052
Cataluña	0.014	0.016	0.032	0.045	0.057	0.068
Ceuta	0.000	0.005	0.016	0.035	0.050	0.062
Comunidad.Valenciana	0.009	0.011	0.023	0.035	0.045	0.055
Extremadura	0.011	0.012	0.028	0.043	0.057	0.072
Galicia	0.023	0.035	0.066	0.088	0.109	0.118
Madrid	0.007	0.009	0.020	0.032	0.042	0.050
Melilla	0.000	0.006	0.018	0.039	0.055	0.069
Murcia	0.008	0.008	0.018	0.029	0.038	0.047
Navarra	0.008	0.011	0.021	0.028	0.035	0.041
País.Vasco	0.009	0.011	0.022	0.031	0.038	0.045
La.Rioja	0.004	0.010	0.019	0.028	0.033	0.037

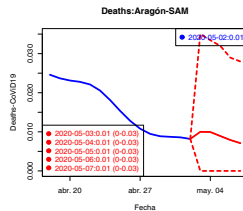
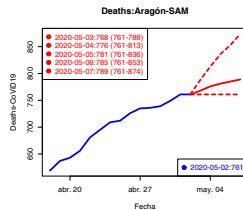
Table: Previsión Ratio Incr. Fallecidos: Mod. Aditivo - Horizonte 1 – 5 días.



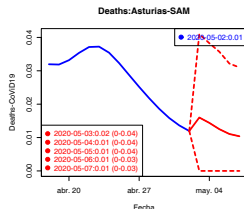
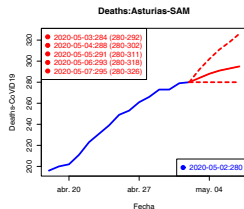
◀ Confirmados ▶ Fallecidos



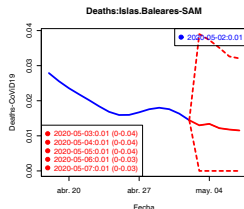
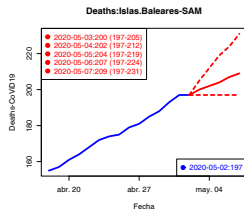
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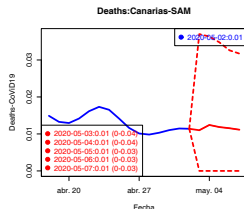
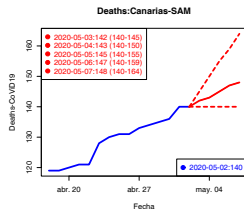
◀ Confirmados ◀ Fallecidos



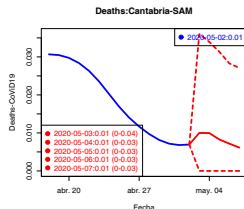
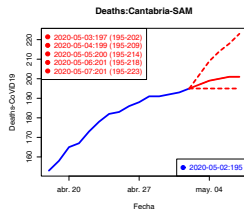
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◀ Confirmados ◀ Fallecidos

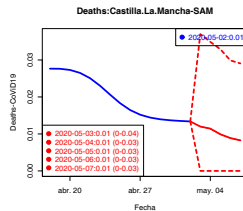
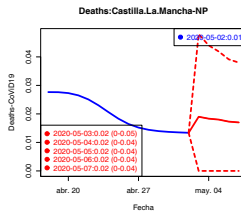
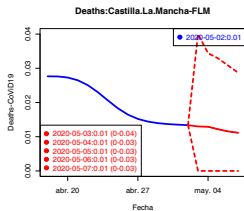
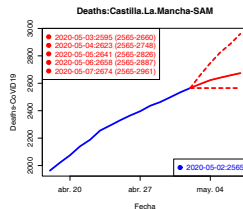
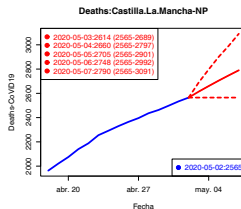
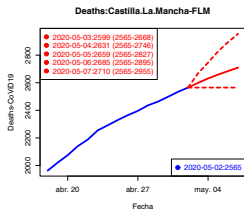


◀ Confirmados ▶ Fallecidos



◀ Confirmados ▶ Fallecidos

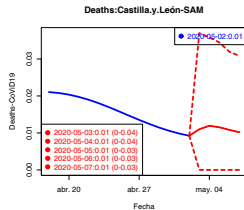
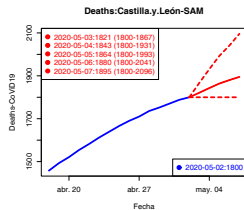
Fallecidos: Castilla-La Mancha



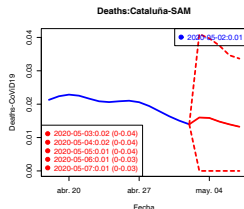
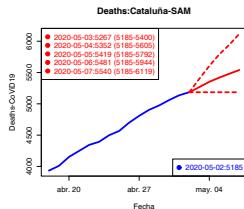
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

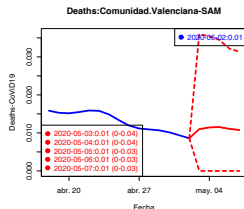
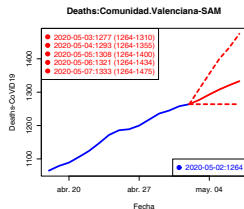
◀ Fallecidos



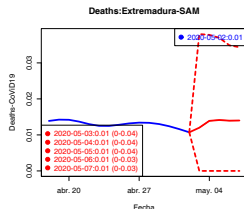
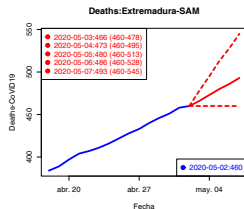
◀ Confirmados ▶ Fallecidos



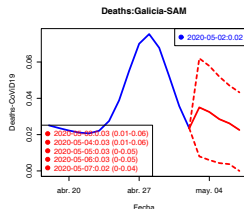
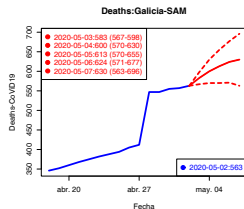
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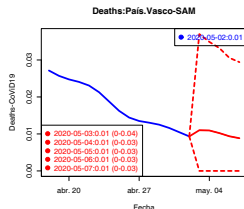
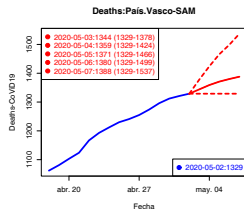
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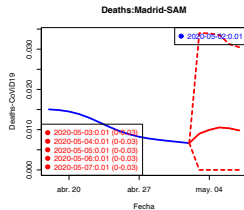
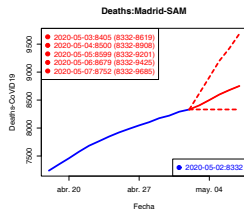
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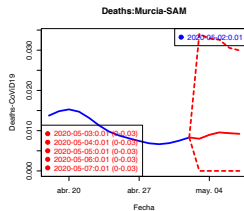
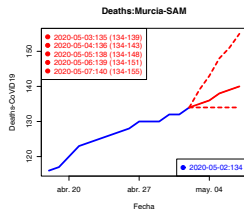
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◀ Confirmados ▶ Fallecidos

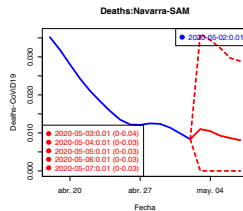
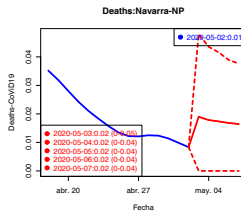
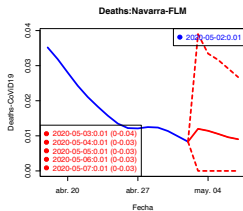
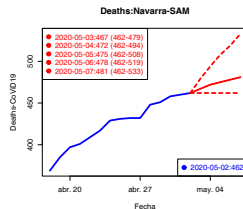
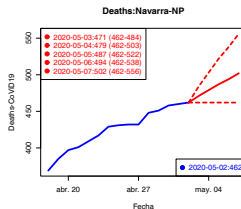
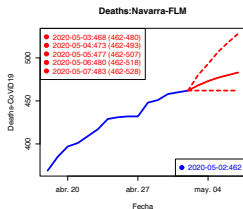


◀ Confirmados ▶ Fallecidos



◀ Confirmados ▶ Fallecidos

Fallecidos: Navarra



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

◀ Confirmados

◀ Fallecidos

Breve descripción del Modelo de predicción

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

Información usada: Pasado de esta variable suavizado (retardo 1) durante los últimos 15 días: $R^{(1)} = \{r^{(1)}(-14), \dots, r^{(1)}(0)\}$.

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

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

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