

Predicciones sobre CoViD-19

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DEPARTAMENTO DE ESTATÍSTICA,
ANÁLISE MATEMÁTICA E OPTIMIZACIÓN



- Predicciones

- Predicciones Fallecidos

3 Panorama internacional

Tabla Previsión Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	232555	233300	233853	234479	235118	235415
Andalucía	12502	12544	12576	12607	12637	12654
Aragón	5551	5581	5609	5636	5665	5688
Asturias	2374	2380	2384	2389	2393	2394
Islas.Baleares	2018	2029	2040	2051	2062	2072
Canarias	2300	2307	2312	2318	2324	2327
Cantabria	2277	2284	2289	2294	2298	2300
Castilla.La.Mancha	16739	16800	16850	16902	16955	16990
Castilla.y.León	18586	18665	18732	18803	18872	18914
Cataluña	55888	55944	55944	56038	56150	56090
Ceuta	119	120	120	121	121	122
Comunidad.Valenciana	10949	10987	11018	11052	11085	11102
Extremadura	3040	3065	3092	3115	3142	3172
Galicia	9067	9067	9067	9067	9067	9067
Madrid	66860	67172	67430	67665	67894	68073
Melilla	121	121	122	122	123	123
Murcia	1560	1566	1572	1577	1583	1586
Navarra	5136	5145	5148	5156	5159	5152
País.Vasco	13435	13481	13518	13559	13599	13618
La.Rioja	4033	4043	4049	4055	4061	4063

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

Tabla Previsión Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	232555	232994	233267	233734	234091	234625
Andalucía	12502	12528	12545	12568	12606	12634
Aragón	5551	5575	5599	5626	5648	5673
Asturias	2374	2377	2378	2380	2386	2390
Islas Baleares	2018	2027	2036	2048	2057	2068
Canarias	2300	2304	2307	2311	2317	2322
Cantabria	2277	2281	2282	2286	2291	2296
Castilla-La Mancha	16739	16780	16808	16853	16900	16948
Castilla y León	18586	18645	18687	18749	18792	18847
Cataluña	55888	55888	55888	55888	55888	55888
Ceuta	119	120	120	120	120	121
Comunidad Valenciana	10949	10975	10988	11017	11044	11072
Extremadura	3040	3063	3088	3115	3137	3169
Galicia	9067	9067	9067	9067	9067	9067
Madrid	66860	67094	67279	67487	67707	67938
Melilla	121	121	122	122	122	123
Murcia	1560	1564	1569	1573	1579	1583
Navarra	5136	5139	5136	5136	5136	5136
País Vasco	13435	13466	13482	13517	13555	13584
La Rioja	4033	4037	4037	4041	4051	4057

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

Tabla Ratio Incr. Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.002	0.003	0.006	0.008	0.011	0.012
Andalucía	0.002	0.003	0.006	0.008	0.011	0.012
Aragón	0.004	0.005	0.010	0.015	0.020	0.025
Asturias	0.001	0.003	0.004	0.006	0.008	0.008
Islas.Baleares	0.005	0.005	0.011	0.016	0.022	0.027
Canarias	0.002	0.003	0.005	0.008	0.010	0.012
Cantabria	0.001	0.003	0.005	0.007	0.009	0.010
Castilla.La.Mancha	0.003	0.004	0.007	0.010	0.013	0.015
Castilla.y.León	0.003	0.004	0.008	0.012	0.015	0.018
Cataluña	0.001	0.001	0.001	0.003	0.005	0.004
Ceuta	0.008	0.007	0.012	0.014	0.017	0.022
Comunidad.Valenciana	0.002	0.003	0.006	0.009	0.012	0.014
Extremadura	0.011	0.008	0.017	0.025	0.034	0.043
Galicia	-0.001	0.000	0.000	0.000	0.000	0.000
Madrid	0.003	0.005	0.009	0.012	0.015	0.018
Melilla	0.002	0.003	0.006	0.010	0.014	0.015
Murcia	0.002	0.004	0.007	0.011	0.015	0.017
Navarra	-0.001	0.002	0.002	0.004	0.005	0.003
País.Vasco	0.002	0.003	0.006	0.009	0.012	0.014
La.Rioja	0.001	0.002	0.004	0.005	0.007	0.007

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

Tabla Ratio Incr. Confirmados: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	0.002	0.003	0.005	0.008	0.010	0.013
Andalucía	0.002	0.002	0.004	0.007	0.009	0.011
Aragón	0.004	0.003	0.005	0.008	0.011	0.014
Asturias	0.001	0.002	0.004	0.007	0.009	0.011
Islas.Baleares	0.005	0.003	0.005	0.008	0.010	0.013
Canarias	0.002	0.002	0.004	0.007	0.009	0.011
Cantabria	0.001	0.002	0.004	0.007	0.009	0.011
Castilla.La.Mancha	0.003	0.002	0.005	0.007	0.009	0.012
Castilla.y.León	0.003	0.003	0.005	0.008	0.011	0.014
Cataluña	0.001	0.004	0.007	0.011	0.014	0.018
Ceuta	0.008	0.005	0.009	0.014	0.018	0.022
Comunidad.Valenciana	0.002	0.002	0.005	0.007	0.010	0.012
Extremadura	0.011	0.003	0.005	0.008	0.010	0.013
Galicia	-0.001	0.002	0.004	0.006	0.008	0.010
Madrid	0.003	0.003	0.005	0.007	0.010	0.012
Melilla	0.002	0.002	0.004	0.006	0.008	0.011
Murcia	0.002	0.002	0.005	0.007	0.010	0.012
Navarra	-0.001	0.002	0.005	0.007	0.010	0.012
País.Vasco	0.002	0.002	0.005	0.007	0.009	0.012
La.Rioja	0.001	0.002	0.004	0.006	0.008	0.010

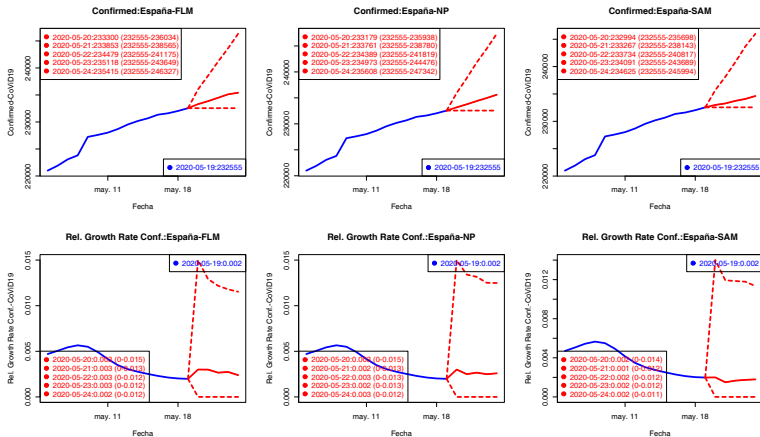
Cuadro: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
– 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.002	0.002	0.003	0.005	0.007	0.009
Andalucía	0.002	0.002	0.003	0.005	0.008	0.011
Aragón	0.004	0.004	0.009	0.014	0.018	0.022
Asturias	0.001	0.001	0.001	0.003	0.005	0.007
Islas.Baleares	0.005	0.005	0.009	0.015	0.019	0.025
Canarias	0.002	0.002	0.003	0.005	0.007	0.010
Cantabria	0.001	0.002	0.002	0.004	0.006	0.008
Castilla.La.Mancha	0.003	0.002	0.004	0.007	0.010	0.012
Castilla.y.León	0.003	0.003	0.005	0.009	0.011	0.014
Cataluña	0.001	0.000	0.000	0.000	0.000	0.000
Ceuta	0.008	0.006	0.008	0.008	0.012	0.016
Comunidad.Valenciana	0.002	0.002	0.004	0.006	0.009	0.011
Extremadura	0.011	0.007	0.016	0.025	0.032	0.043
Galicia	-0.001	0.000	0.000	0.000	0.000	0.000
Madrid	0.003	0.003	0.006	0.009	0.013	0.016
Melilla	0.002	0.002	0.004	0.007	0.012	0.014
Murcia	0.002	0.003	0.006	0.008	0.012	0.015
Navarra	-0.001	0.001	0.000	0.000	0.000	0.000
País.Vasco	0.002	0.002	0.003	0.006	0.009	0.011
La.Rioja	0.001	0.001	0.001	0.002	0.004	0.006

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

Confirmados: España

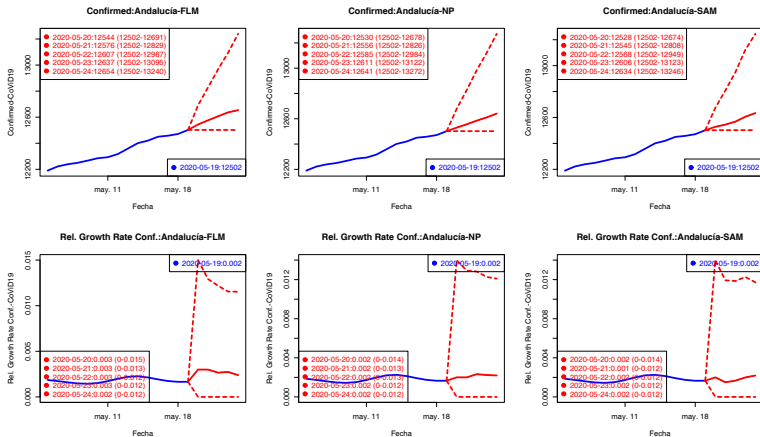


Los valores del Ratio de incremento de H2—H5 están rescalados a H1 para su comparación gráfica.

← Confirmados

← Fallecidos

Confirmados: Andalucía

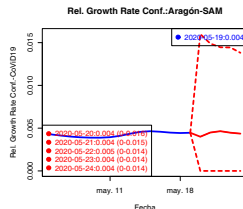
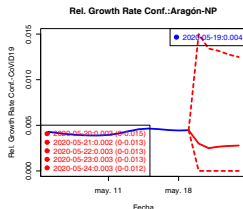
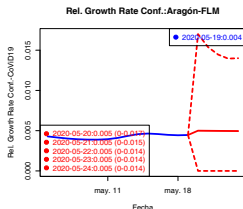
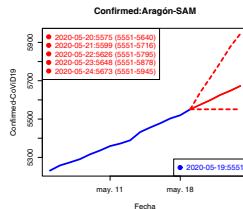
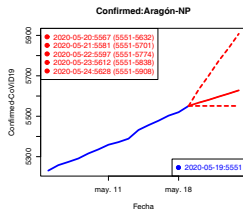
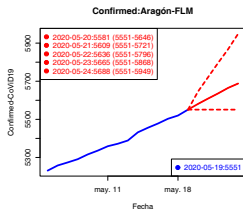


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Aragón

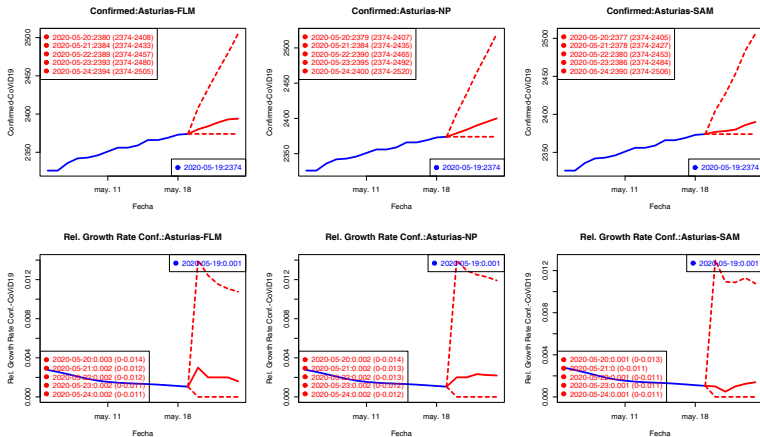


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Asturias

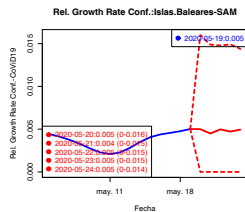
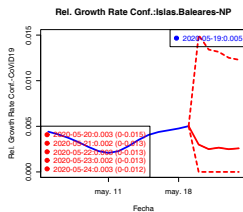
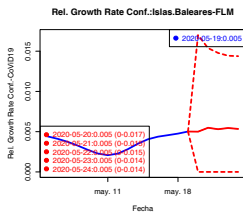
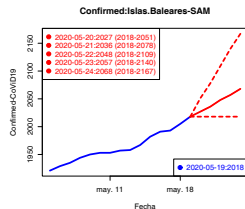
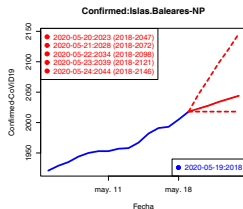
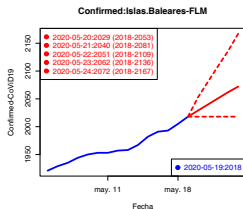


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Islas Baleares

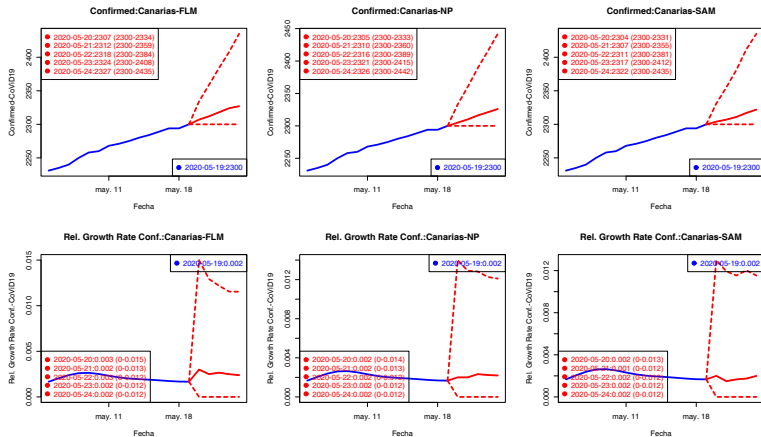


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Canarias

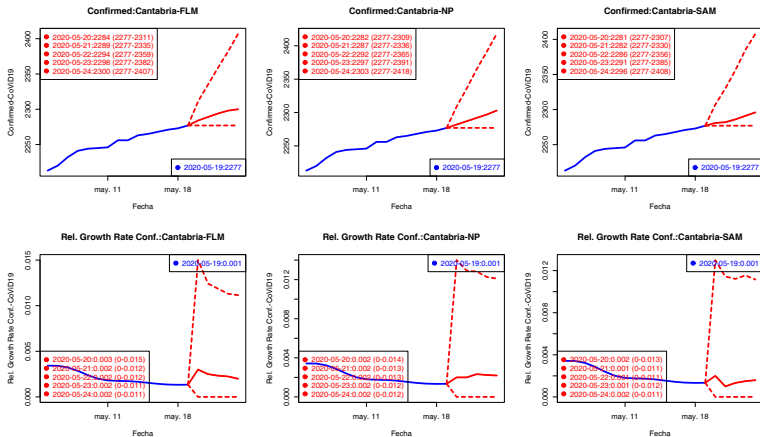


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cantabria

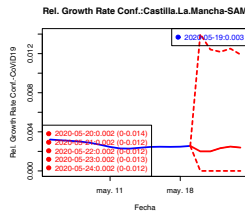
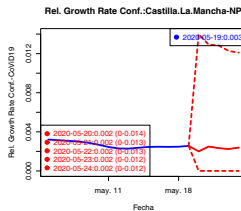
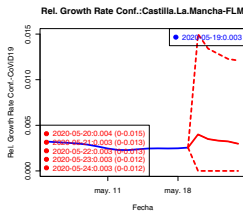
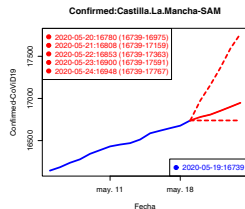
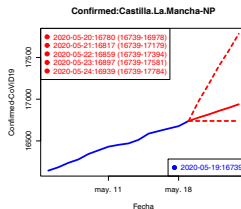
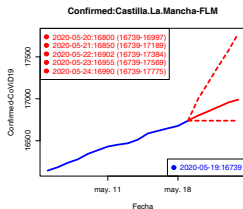


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla-La Mancha

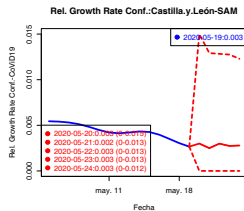
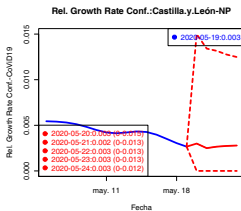
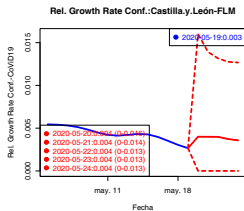
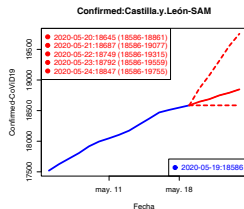
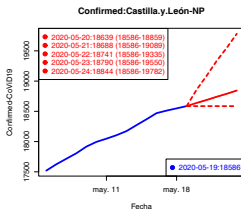
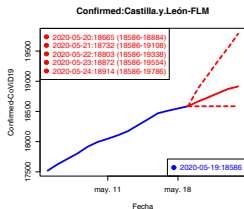


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla y León

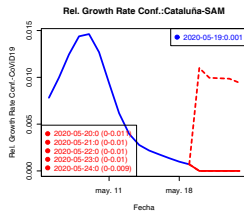
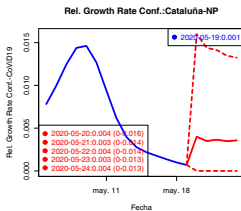
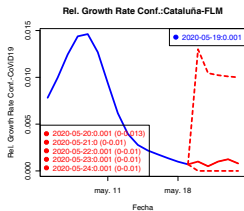
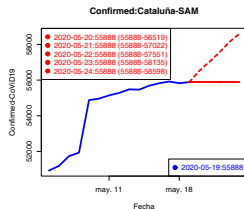
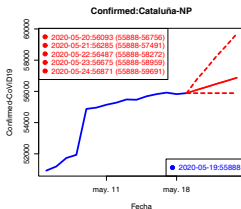
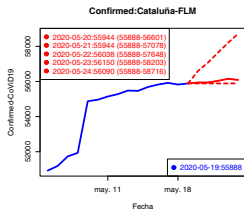


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cataluña



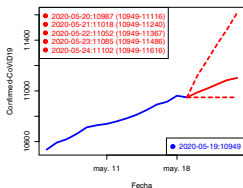
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

← Confirmados

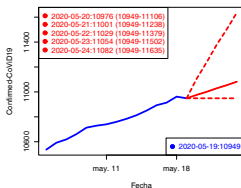
← Fallecidos

Confirmados: C. Valenciana

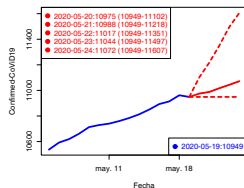
Confirmed:Comunidad.Valenciana-FLM



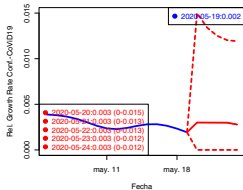
Confirmed:Comunidad.Valenciana-NP



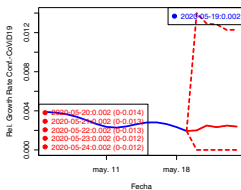
Confirmed:Comunidad.Valenciana-SAM



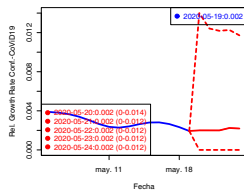
Rel. Growth Rate Conf.:Comunidad.Valenciana-FLM



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



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

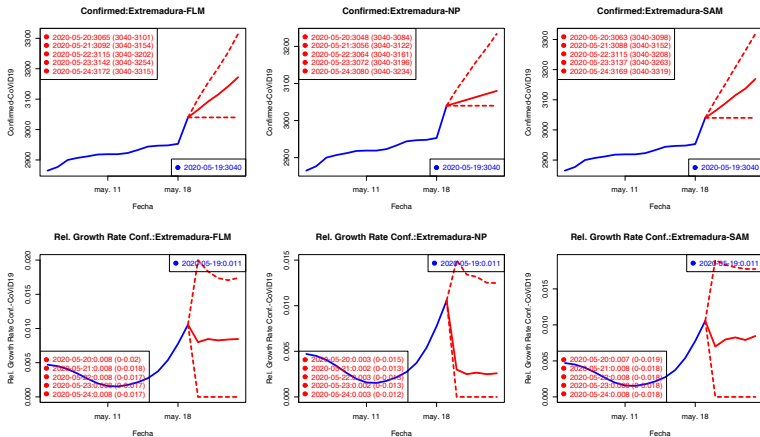


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Extremadura

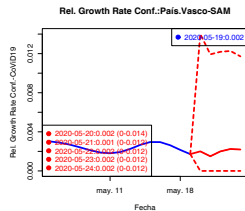
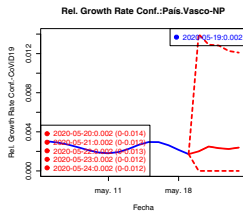
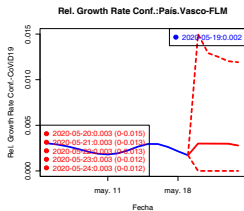
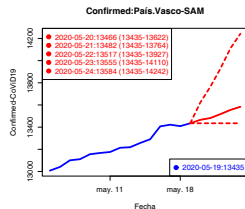
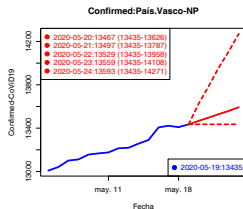
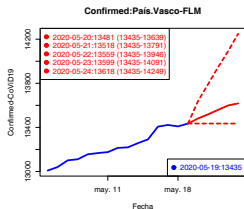


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: País Vasco

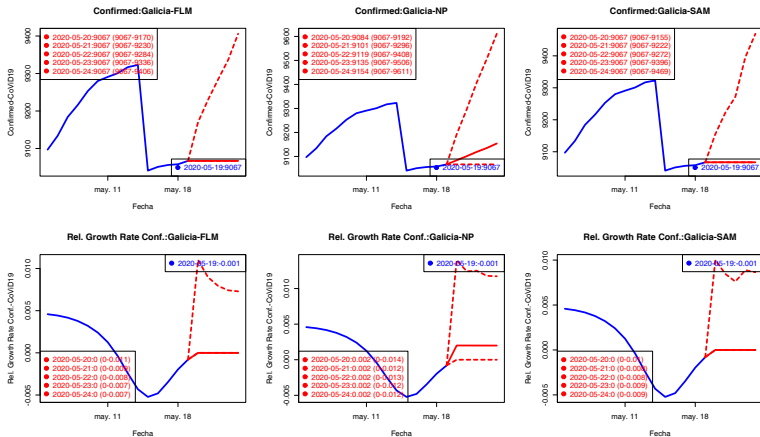


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia

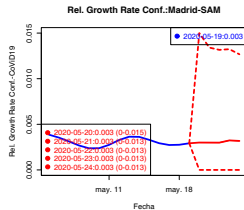
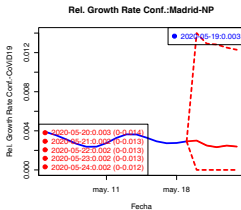
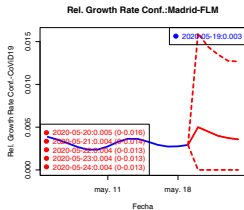
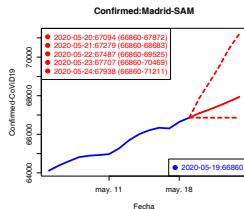
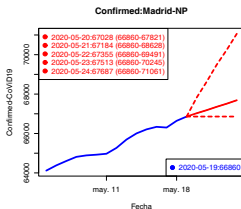
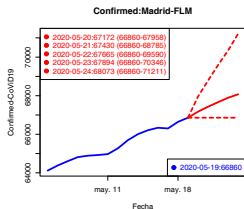


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid

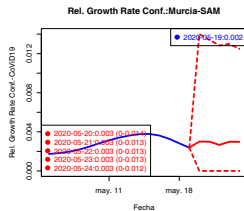
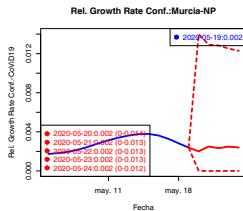
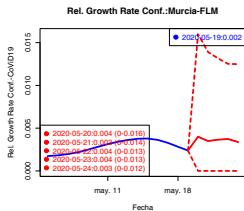
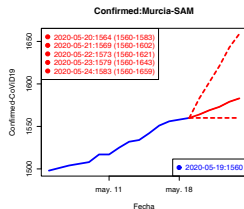
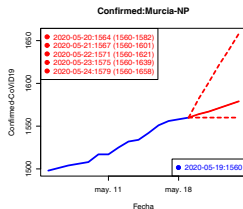
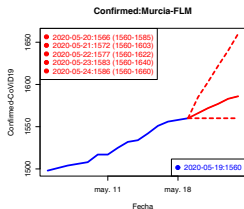


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

← Confirmados

← Fallecidos

Confirmados: Murcia

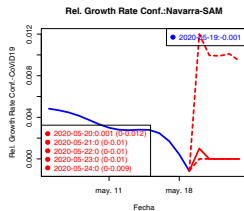
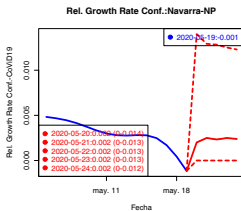
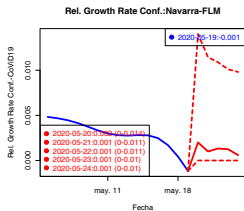
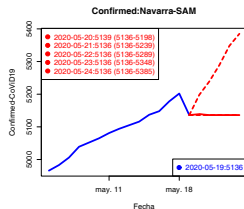
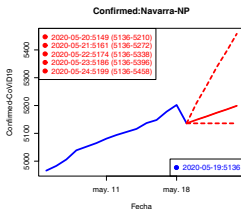
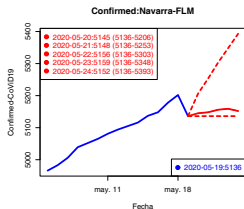


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Navarra

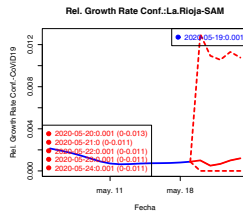
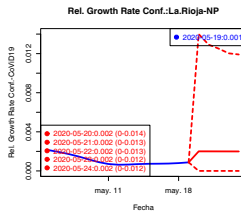
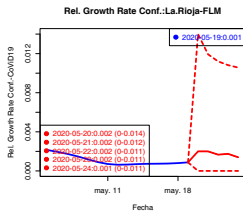
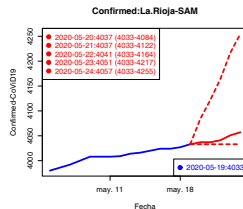
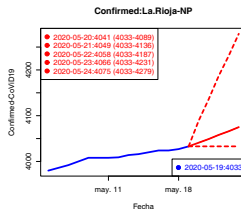
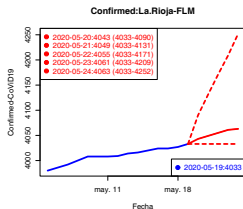


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ 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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- 1 Casos Confirmados
 - Predicciones
- 2 Fallecidos
 - Predicciones Fallecidos
- 3 Panorama internacional

Modelos para fallecidos por CoViD-19

Número de datos funcionales: 4000

Países/Regiones distintos incorporados: 88

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	0	0	0	0.605	0.586	0.67
H2	0.002	0.002	0.001	0.002	0.002	0.001	0.658	0.63	0.748
H3	0.003	0.003	0.002	0.003	0.003	0.002	0.734	0.696	0.809
H4	0.005	0.005	0.003	0.006	0.006	0.004	0.763	0.716	0.826
H5	0.006	0.008	0.004	0.008	0.009	0.005	0.794	0.737	0.852

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	27888	28028	28148	28223	28279	28314
Andalucía	1371	1378	1384	1388	1391	1394
Aragón	843	847	850	851	852	852
Asturias	304	305	306	306	305	304
Islas Baleares	221	222	223	224	225	226
Canarias	155	156	156	157	157	158
Cantabria	209	210	211	211	212	212
Castilla La Mancha	2913	2928	2942	2952	2959	2965
Castilla y León	1960	1969	1977	1982	1986	1989
Cataluña	6021	6064	6097	6118	6134	6139
Ceuta	4	4	4	4	4	4
Comunidad Valenciana	1378	1385	1391	1395	1398	1400
Extremadura	504	507	509	511	514	516
Galicia	607	609	610	610	609	607
Madrid	8912	8949	8985	9007	9024	9038
Melilla	2	2	2	2	2	2
Murcia	148	149	150	151	152	152
Navarra	503	505	507	508	508	507
País Vasco	1480	1487	1494	1499	1503	1506
La Rioja	353	354	355	356	356	357

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

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	27888	28204	28505	28801	29072	29353
Andalucía	1371	1386	1401	1415	1429	1442
Aragón	843	853	862	871	879	888
Asturias	304	307	311	314	317	320
Islas Baleares	221	224	226	228	231	233
Canarias	155	157	158	160	162	163
Cantabria	209	211	213	216	218	220
Castilla La Mancha	2913	2947	2979	3011	3040	3070
Castilla y León	1960	1982	2003	2023	2042	2061
Cataluña	6021	6092	6162	6229	6292	6355
Ceuta	4	4	4	4	4	4
Comunidad Valenciana	1378	1393	1408	1423	1436	1449
Extremadura	504	510	515	521	526	531
Galicia	607	614	620	626	632	638
Madrid	8912	9011	9103	9195	9278	9366
Melilla	2	2	2	2	2	2
Murcia	148	150	151	153	154	156
Navarra	503	509	514	519	524	529
País Vasco	1480	1497	1513	1529	1543	1558
La Rioja	353	357	361	364	367	371

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

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	27888	28080	28154	28365	28448	28620
Andalucía	1371	1382	1385	1396	1399	1409
Aragón	843	850	854	858	857	862
Asturias	304	306	307	308	306	306
Islas Baleares	221	222	223	225	225	226
Canarias	155	156	157	158	158	160
Cantabria	209	210	211	212	213	214
Castilla-La Mancha	2913	2930	2939	2960	2963	2980
Castilla y León	1960	1975	1979	1994	1997	2010
Cataluña	6021	6062	6096	6145	6191	6234
Ceuta	4	4	4	4	4	4
Comunidad Valenciana	1378	1387	1390	1401	1404	1412
Extremadura	504	506	509	513	514	517
Galicia	607	611	612	617	618	621
Madrid	8912	8971	8981	9054	9061	9121
Melilla	2	2	2	2	2	2
Murcia	148	149	150	151	152	154
Navarra	503	506	507	510	511	513
País Vasco	1480	1489	1493	1505	1506	1516
La Rioja	353	355	356	359	359	361

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

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.003	0.005	0.009	0.012	0.014	0.015
Andalucía	0.004	0.005	0.010	0.013	0.015	0.017
Aragón	0.002	0.005	0.008	0.010	0.011	0.011
Asturias	-0.009	0.003	0.006	0.005	0.004	0.000
Islas.Baleares	0.005	0.005	0.011	0.016	0.020	0.024
Canarias	0.006	0.005	0.009	0.013	0.015	0.018
Cantabria	0.004	0.004	0.008	0.011	0.013	0.014
Castilla.La.Mancha	0.003	0.005	0.010	0.013	0.016	0.018
Castilla.y.León	0.002	0.005	0.009	0.011	0.013	0.015
Cataluña	0.005	0.007	0.013	0.016	0.019	0.020
Ceuta	0.000	0.002	0.003	0.003	0.002	0.000
Comunidad.Valenciana	0.003	0.005	0.009	0.012	0.014	0.016
Extremadura	0.003	0.005	0.010	0.014	0.019	0.023
Galicia	0.001	0.003	0.004	0.004	0.003	0.000
Madrid	0.002	0.004	0.008	0.011	0.013	0.014
Melilla	0.000	0.003	0.005	0.006	0.006	0.006
Murcia	0.009	0.007	0.013	0.019	0.024	0.029
Navarra	0.001	0.004	0.008	0.009	0.009	0.009
País.Vasco	0.004	0.005	0.009	0.013	0.015	0.018
La.Rioja	0.003	0.003	0.006	0.008	0.009	0.010

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

Tabla Ratio Incr. Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	0.003	0.011	0.022	0.033	0.042	0.053
Andalucía	0.004	0.011	0.022	0.032	0.042	0.052
Aragón	0.002	0.011	0.022	0.033	0.043	0.053
Asturias	-0.009	0.011	0.022	0.033	0.042	0.052
Islas.Baleares	0.005	0.012	0.023	0.034	0.044	0.054
Canarias	0.006	0.011	0.022	0.033	0.043	0.053
Cantabria	0.004	0.011	0.021	0.032	0.041	0.051
Castilla.La.Mancha	0.003	0.012	0.023	0.034	0.044	0.054
Castilla.y.León	0.002	0.011	0.022	0.032	0.042	0.052
Cataluña	0.005	0.012	0.023	0.034	0.045	0.056
Ceuta	0.000	0.011	0.020	0.030	0.039	0.048
Comunidad.Valenciana	0.003	0.011	0.022	0.032	0.042	0.052
Extremadura	0.003	0.011	0.022	0.033	0.043	0.053
Galicia	0.001	0.011	0.021	0.032	0.041	0.051
Madrid	0.002	0.011	0.021	0.032	0.041	0.051
Melilla	0.000	0.011	0.020	0.030	0.039	0.048
Murcia	0.009	0.011	0.022	0.032	0.042	0.052
Navarra	0.001	0.011	0.022	0.032	0.042	0.051
País.Vasco	0.004	0.011	0.022	0.033	0.043	0.053
La.Rioja	0.003	0.011	0.021	0.032	0.041	0.051

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

Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

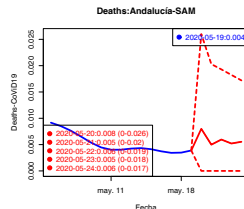
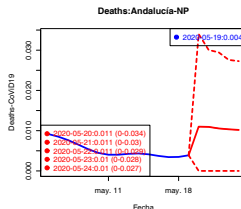
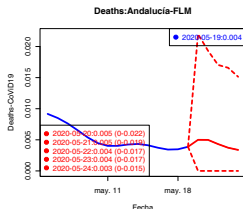
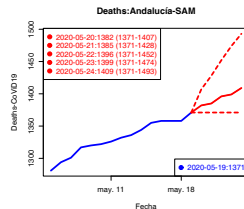
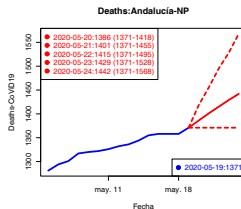
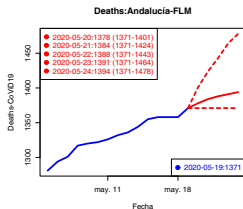
	Last	H1	H2	H3	H4	H5
España	0.003	0.007	0.010	0.017	0.020	0.026
Andalucía	0.004	0.008	0.010	0.018	0.021	0.028
Aragón	0.002	0.008	0.013	0.018	0.017	0.022
Asturias	-0.009	0.005	0.010	0.012	0.008	0.007
Islas.Baleares	0.005	0.005	0.010	0.017	0.018	0.025
Canarias	0.006	0.008	0.012	0.020	0.022	0.031
Cantabria	0.004	0.007	0.008	0.017	0.019	0.026
Castilla.La.Mancha	0.003	0.006	0.009	0.016	0.017	0.023
Castilla.y.León	0.002	0.008	0.010	0.017	0.019	0.025
Cataluña	0.005	0.007	0.013	0.021	0.028	0.035
Ceuta	0.000	0.006	0.004	0.009	0.007	0.008
Comunidad.Valenciana	0.003	0.007	0.009	0.017	0.019	0.025
Extremadura	0.003	0.005	0.010	0.018	0.019	0.025
Galicia	0.001	0.007	0.008	0.016	0.018	0.023
Madrid	0.002	0.007	0.008	0.016	0.017	0.023
Melilla	0.000	0.006	0.007	0.015	0.014	0.020
Murcia	0.009	0.009	0.012	0.023	0.028	0.038
Navarra	0.001	0.007	0.007	0.014	0.015	0.020
País.Vasco	0.004	0.006	0.009	0.017	0.018	0.025
La.Rioja	0.003	0.007	0.009	0.016	0.017	0.023

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

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

◀ ◻ ▶ ◀ ◻ ▶ ◀ ≡ ▶ ◀ ≡ ▶ ≡ | ≡ ≡ ↺ 🔍 ↻

Fallecidos: Andalucía

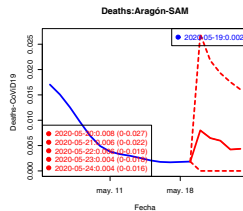
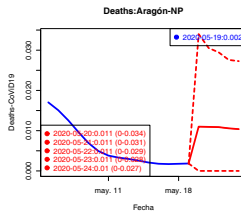
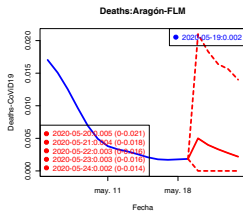
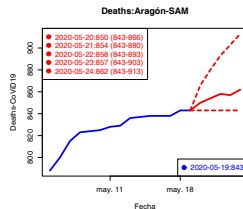
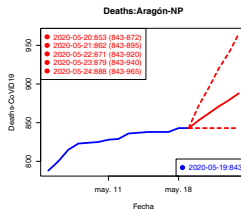
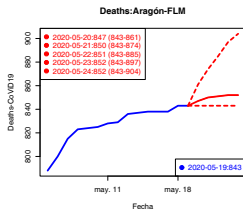


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Aragón

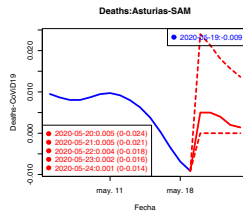
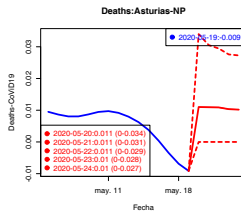
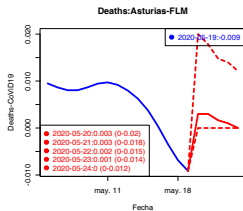
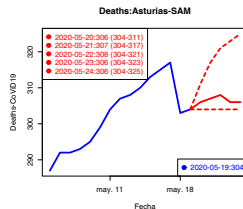
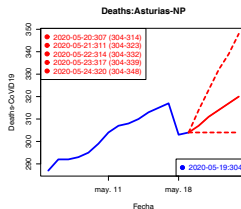
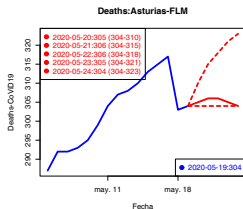


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Asturias

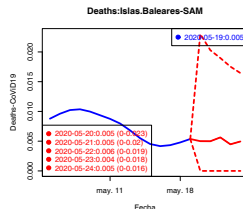
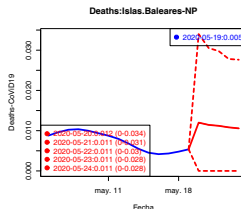
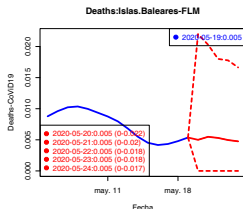
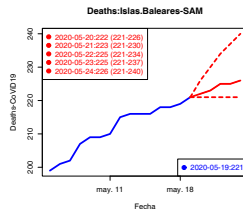
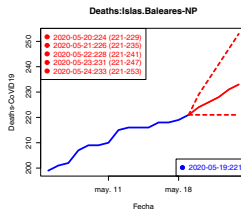
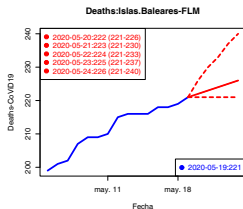


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Islas Baleares

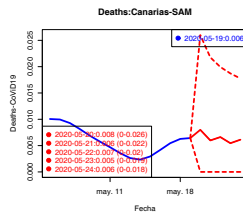
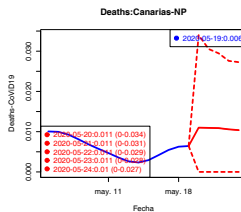
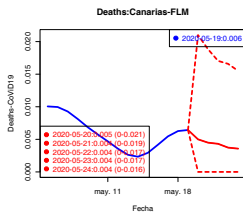
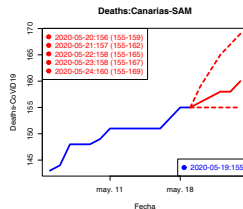
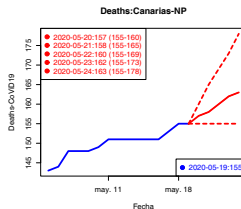
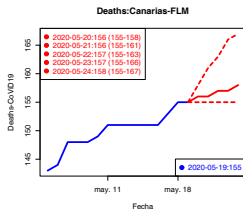


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Canarias

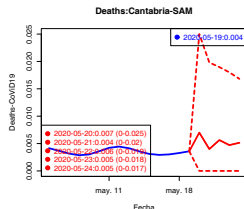
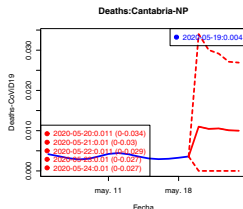
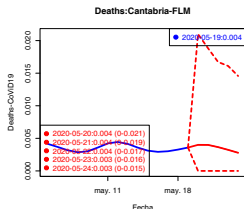
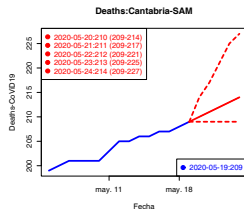
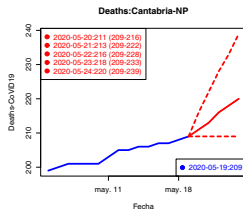
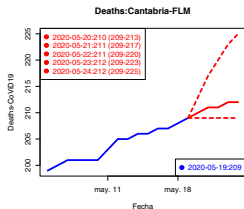


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Cantabria



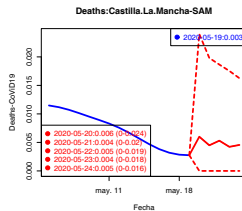
Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

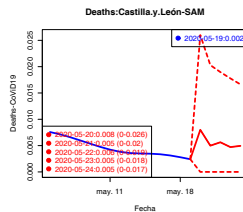
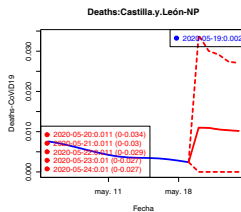
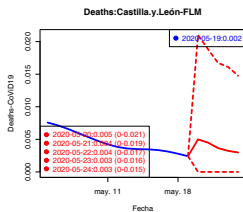
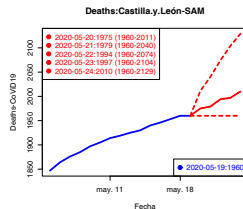
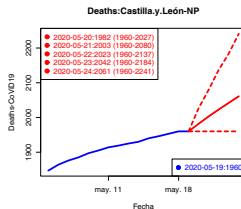
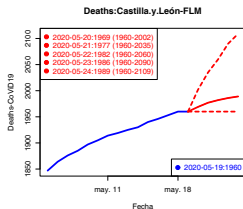
◀ Fallecidos

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

◀ Fallecidos



Fallecidos: Castilla y León

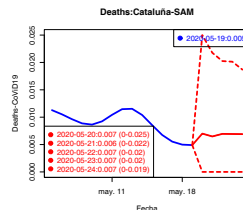
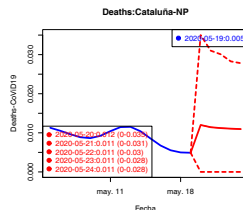
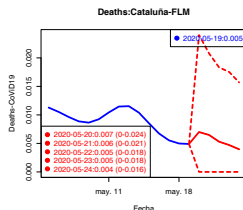
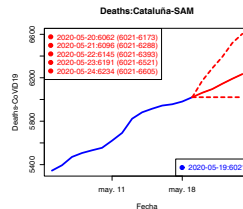
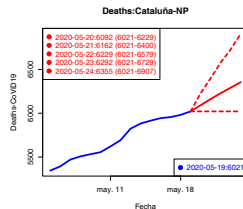
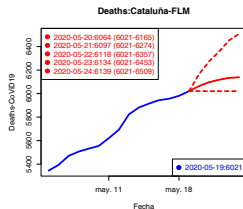


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Cataluña

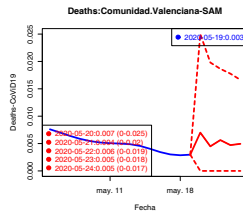
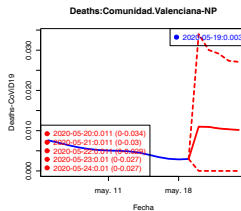
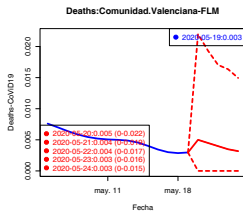
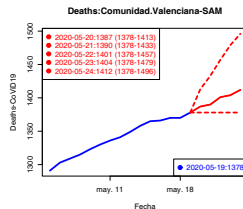
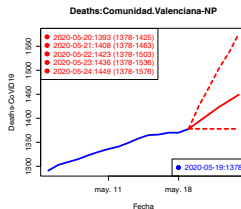
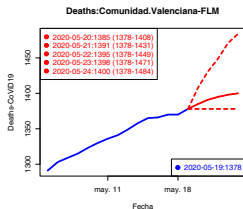


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: C. Valenciana

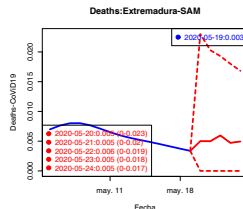
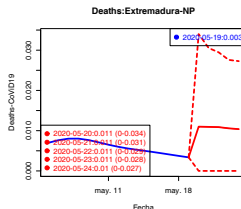
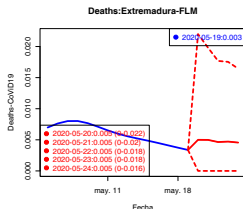
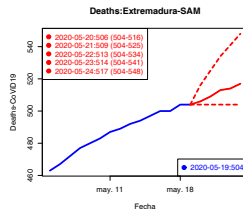
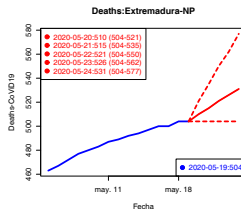
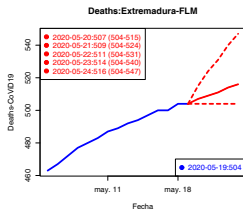


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Extremadura

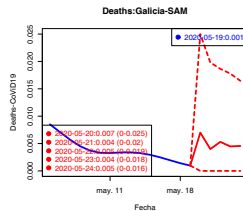
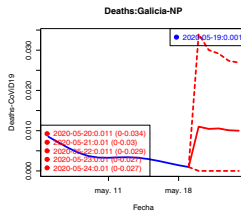
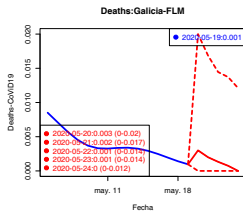
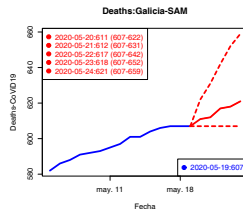
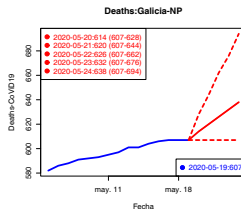
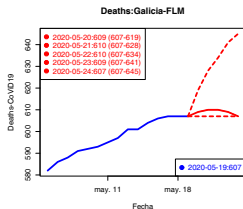


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Galicia

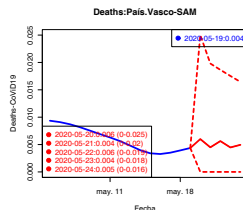
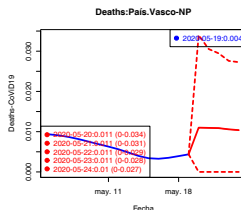
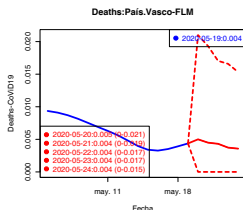
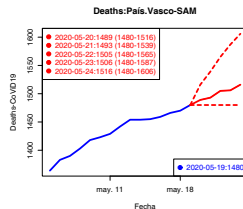
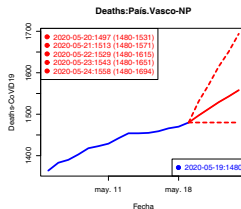
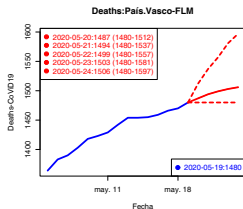


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: País Vasco

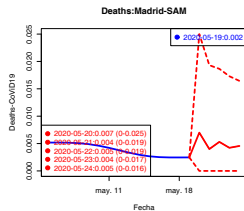
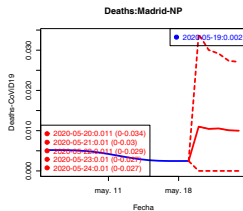
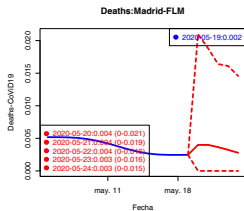
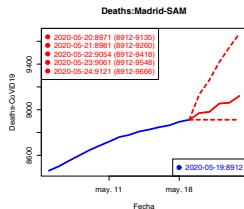
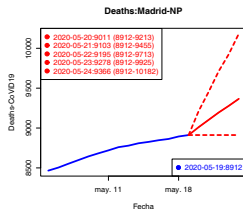
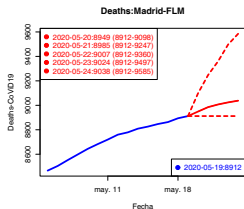


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

← Confirmados

← Fallecidos

Fallecidos: Madrid

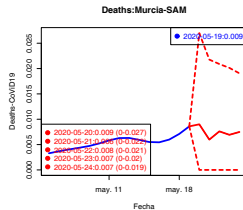
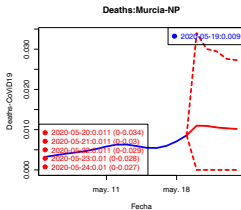
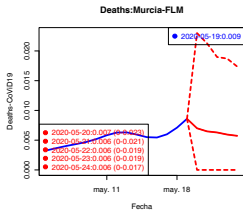
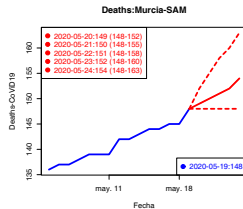
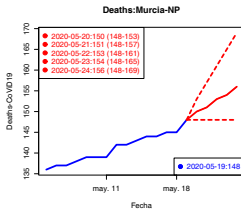
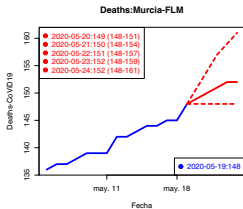


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

← Confirmados

← Fallecidos

Fallecidos: Murcia

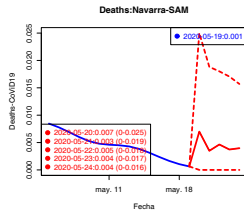
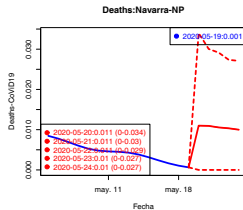
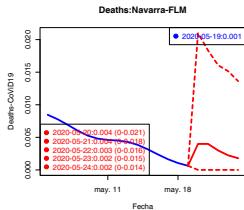
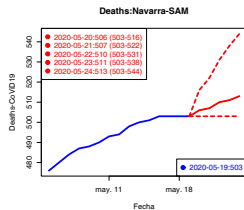
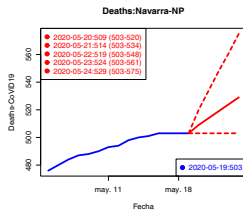
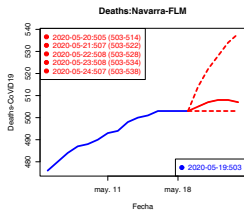


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Navarra

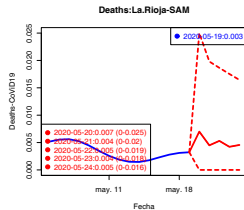
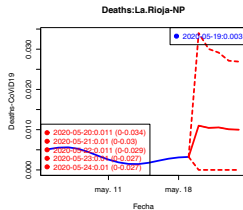
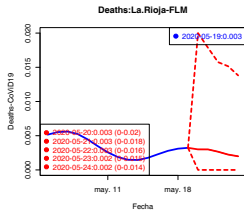
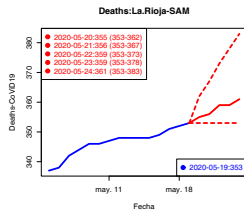
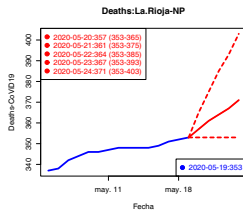
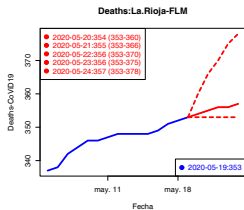


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: La Rioja



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

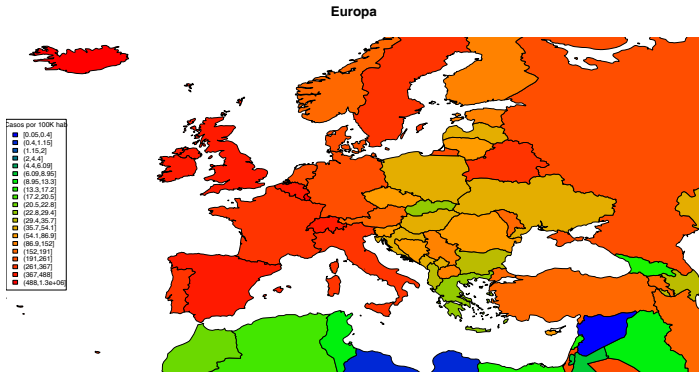
◀ Confirmados

◀ Fallecidos

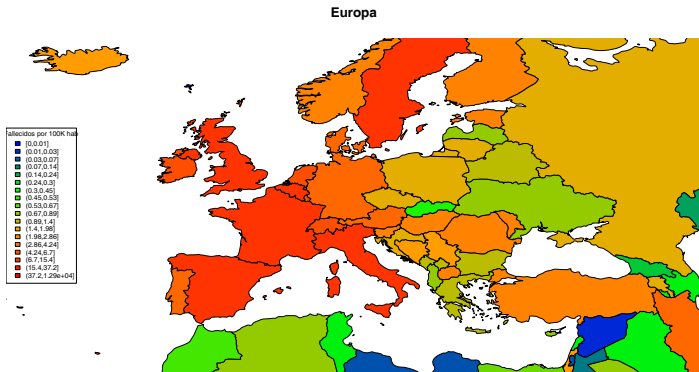
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Europa: Confirmados por 100K hab.

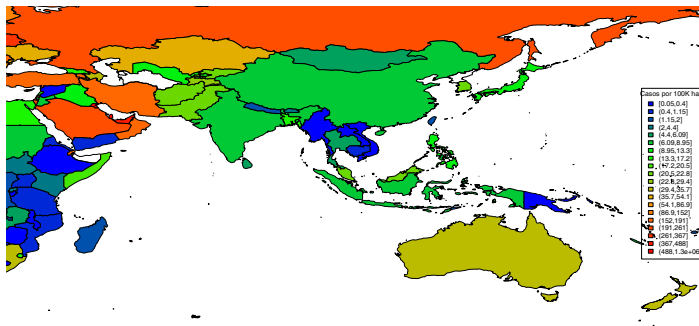


Europa: Fallecidos por 100K hab.



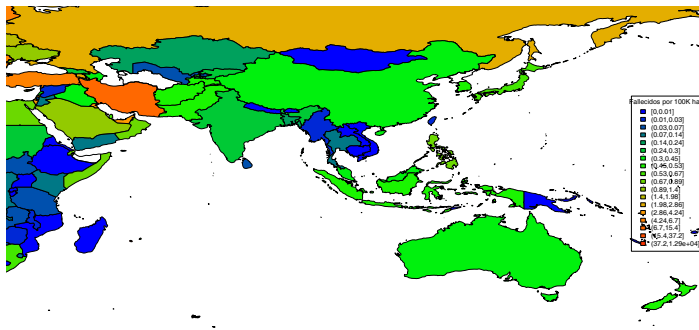
Asia y Oceanía: Casos por 100K hab.

Asia y Oceanía



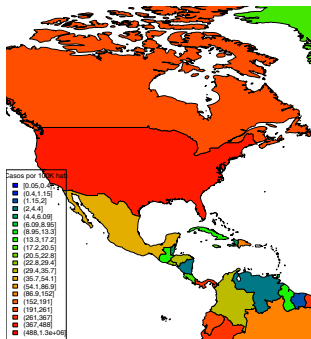
Asia y Oceanía: Fallecidos por 100K hab.

Asia y Oceanía

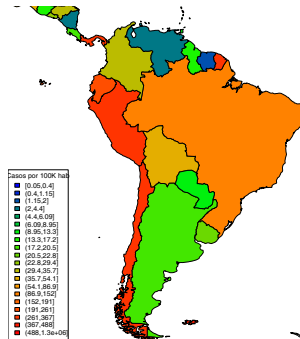


América: Casos por 100K hab.

América del Norte

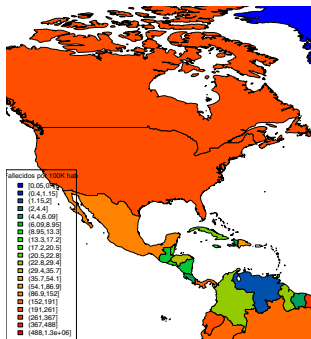


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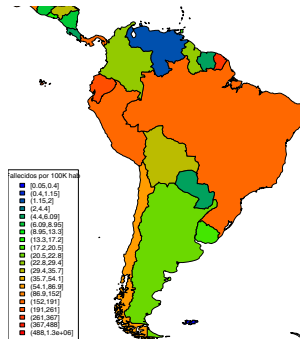


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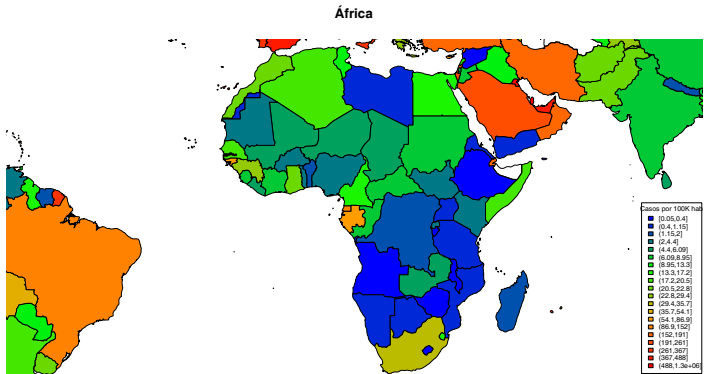
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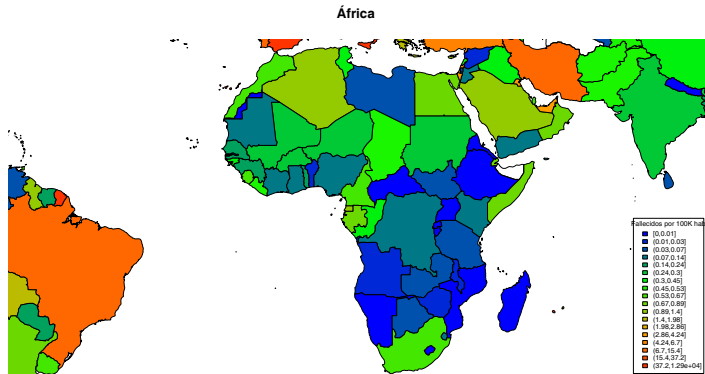
América del sur



África: Casos por 100K hab.



África: Fallecidos por 100K hab.



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.