

Predicciones sobre CoViD-19

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DEPARTAMENTO DE ESTATÍSTICA,
ANÁLISE MATEMÁTICA E OPTIMIZACIÓN



- Predicciones

- Predicciones Fallecidos

3 Panorama internacional

Tabla Ratio Incr. Confirmados: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.003	0.004	0.007	0.009	0.012	0.014
Andalucía	0.001	0.002	0.003	0.005	0.006	0.006
Aragón	0.003	0.004	0.008	0.012	0.016	0.018
Asturias	0.002	0.003	0.005	0.007	0.010	0.011
Islas.Baleares	0.003	0.004	0.008	0.012	0.016	0.018
Canarias	0.002	0.004	0.007	0.010	0.013	0.015
Cantabria	0.001	0.003	0.004	0.007	0.009	0.010
Castilla.La.Mancha	0.002	0.004	0.006	0.009	0.011	0.012
Castilla.y.León	0.002	0.004	0.006	0.009	0.011	0.012
Cataluña	0.005	0.004	0.009	0.012	0.015	0.019
Ceuta	0.006	0.007	0.015	0.024	0.033	0.040
Comunidad.Valenciana	0.002	0.003	0.004	0.007	0.008	0.009
Extremadura	0.001	0.004	0.007	0.010	0.012	0.013
Galicia	0.001	0.003	0.004	0.006	0.007	0.007
Madrid	0.003	0.004	0.008	0.012	0.017	0.020
Melilla	0.000	0.003	0.004	0.005	0.006	0.005
Murcia	0.002	0.002	0.003	0.004	0.005	0.004
Navarra	0.001	0.002	0.002	0.004	0.005	0.005
País.Vasco	0.001	0.003	0.004	0.005	0.006	0.006
La.Rioja	0.000	0.002	0.003	0.005	0.006	0.006

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	0.003	0.003	0.006	0.009	0.012	0.016
Andalucía	0.001	0.004	0.007	0.011	0.014	0.018
Aragón	0.003	0.004	0.008	0.012	0.016	0.020
Asturias	0.002	0.003	0.006	0.009	0.012	0.015
Islas.Baleares	0.003	0.003	0.005	0.008	0.011	0.014
Canarias	0.002	0.002	0.005	0.007	0.009	0.012
Cantabria	0.001	0.003	0.005	0.008	0.010	0.013
Castilla.La.Mancha	0.002	0.004	0.007	0.011	0.014	0.017
Castilla.y.León	0.002	0.003	0.006	0.009	0.012	0.015
Cataluña	0.005	0.003	0.007	0.010	0.013	0.017
Ceuta	0.006	0.004	0.007	0.011	0.014	0.018
Comunidad.Valenciana	0.002	0.003	0.007	0.010	0.014	0.017
Extremadura	0.001	0.003	0.005	0.008	0.010	0.013
Galicia	0.001	0.003	0.006	0.010	0.013	0.016
Madrid	0.003	0.003	0.005	0.008	0.011	0.014
Melilla	0.000	0.002	0.004	0.006	0.009	0.011
Murcia	0.002	0.005	0.011	0.016	0.021	0.026
Navarra	0.001	0.005	0.009	0.014	0.018	0.023
País.Vasco	0.001	0.003	0.006	0.009	0.013	0.016
La.Rioja	0.000	0.002	0.004	0.006	0.008	0.011

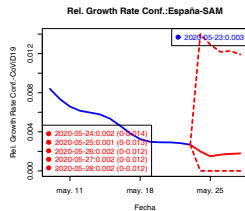
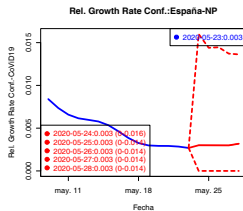
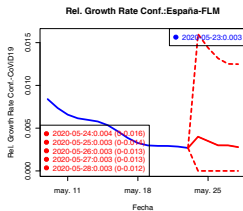
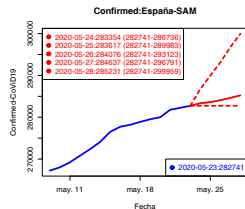
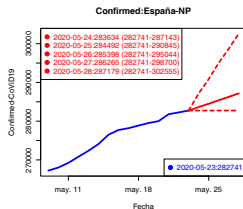
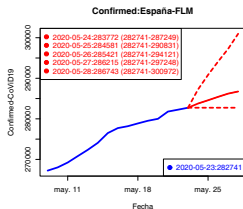
Cuadro: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1
– 5 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.003	0.002	0.003	0.005	0.007	0.009
Andalucía	0.001	0.001	0.002	0.001	0.001	0.001
Aragón	0.003	0.003	0.007	0.009	0.010	0.012
Asturias	0.002	0.002	0.003	0.004	0.005	0.007
Islas.Baleares	0.003	0.003	0.006	0.008	0.011	0.013
Canarias	0.002	0.002	0.003	0.006	0.008	0.011
Cantabria	0.001	0.001	0.002	0.003	0.004	0.006
Castilla.La.Mancha	0.002	0.002	0.003	0.004	0.005	0.007
Castilla.y.León	0.002	0.002	0.003	0.005	0.006	0.009
Cataluña	0.005	0.004	0.004	0.007	0.010	0.014
Ceuta	0.006	0.006	0.012	0.021	0.026	0.033
Comunidad.Valenciana	0.002	0.001	0.003	0.002	0.003	0.004
Extremadura	0.001	0.003	0.005	0.006	0.008	0.010
Galicia	0.001	0.001	0.003	0.002	0.002	0.002
Madrid	0.003	0.002	0.005	0.008	0.012	0.015
Melilla	0.000	0.001	0.001	0.001	0.003	0.003
Murcia	0.002	0.001	0.002	0.002	0.001	0.000
Navarra	0.001	0.001	0.002	0.002	0.001	0.002
País.Vasco	0.001	0.001	0.002	0.001	0.002	0.002
La.Rioja	0.000	0.001	0.000	0.000	0.002	0.003

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

Confirmados: España

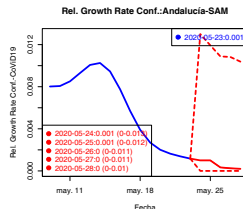
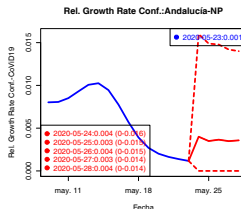
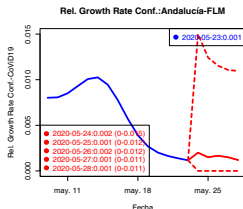
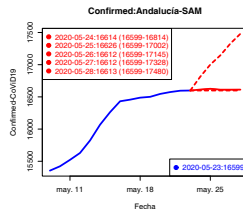
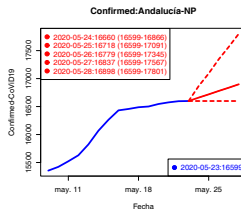
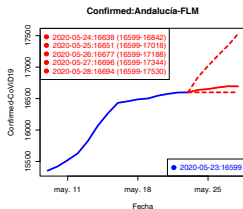


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Andalucía

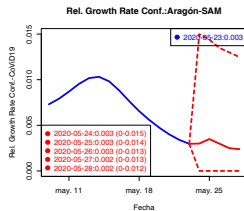
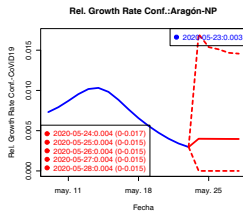
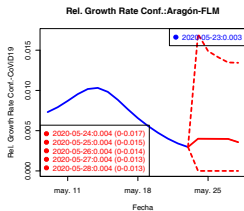
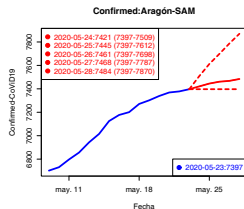
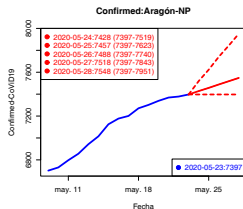
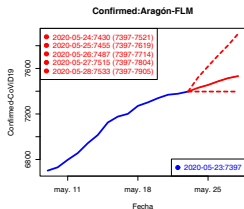


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Aragón

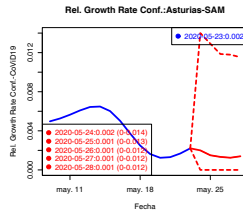
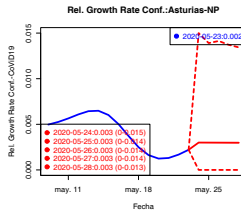
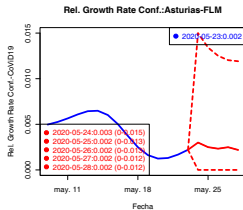
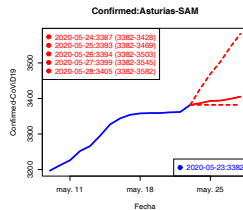
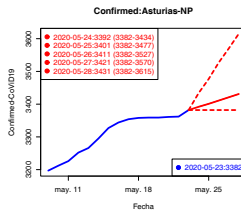
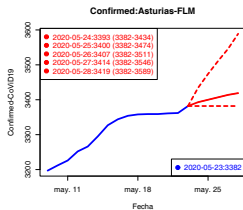


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Asturias

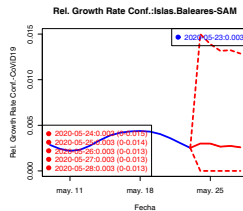
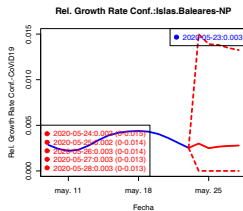
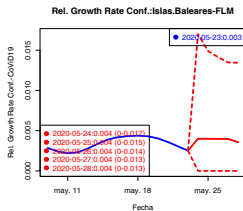
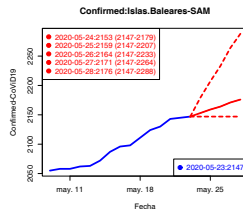
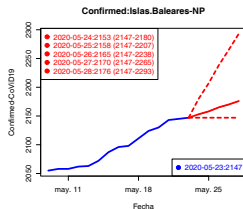
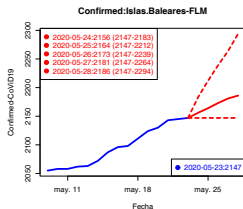


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Islas Baleares

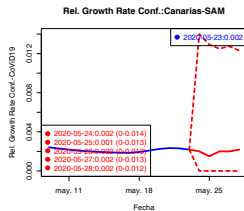
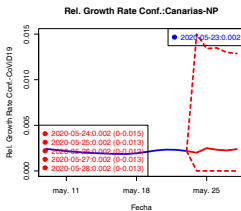
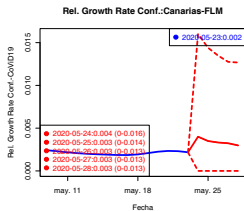
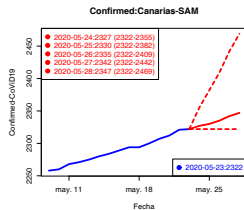
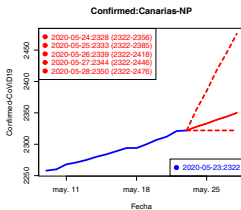
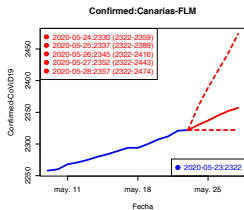


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Canarias

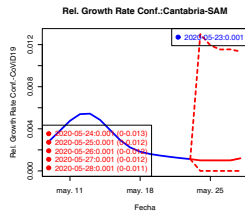
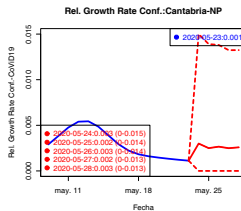
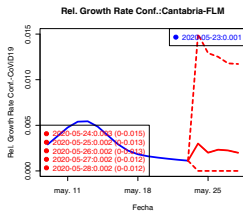
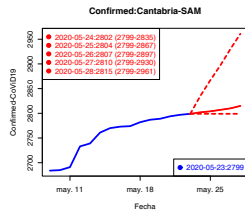
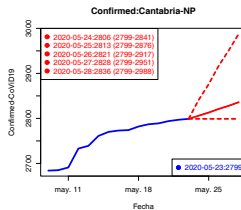
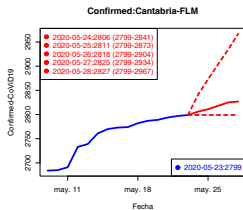


Los valores del Ratio de incremento de H2—H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cantabria

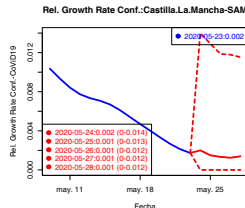
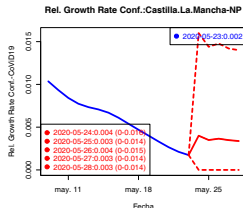
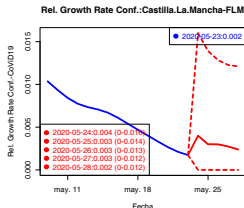
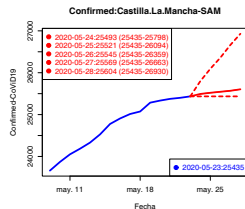
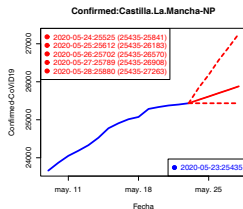
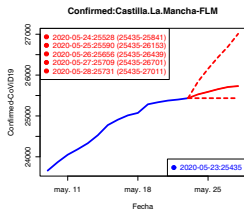


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla-La Mancha

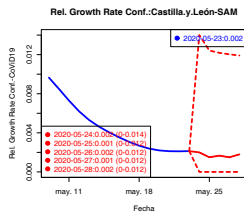
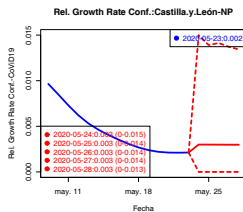
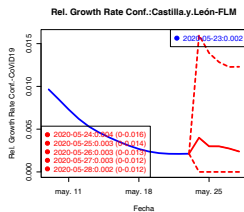
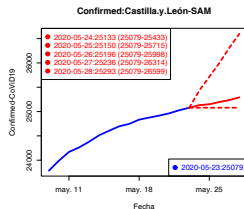
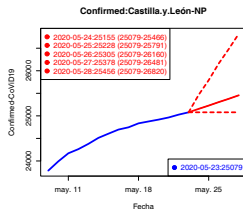
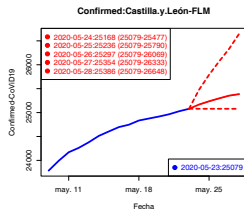


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Castilla y León

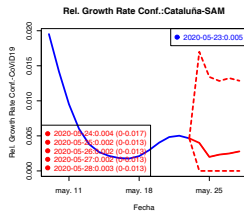
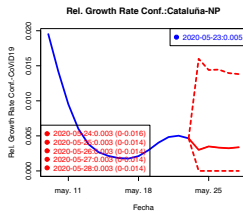
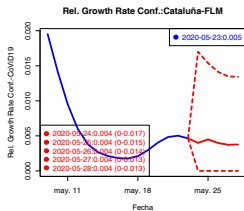
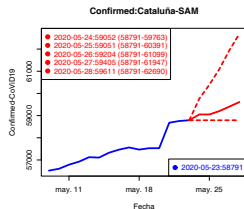
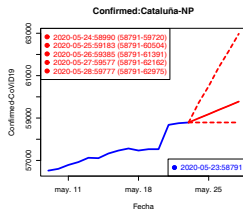
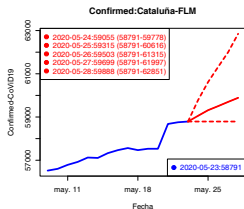


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cataluña



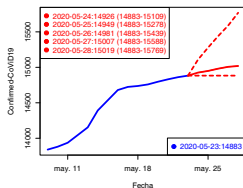
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◀ Confirmados

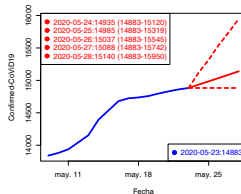
◀ Fallecidos

Confirmados: C. Valenciana

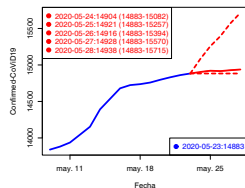
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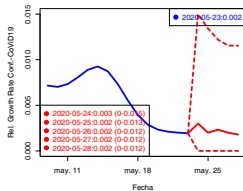
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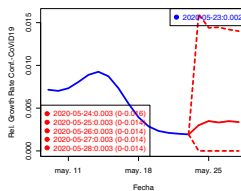
Confirmed:Comunidad.Valenciana-SAM



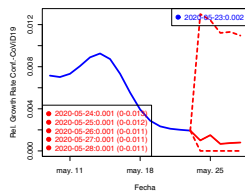
Rel. Growth Rate Conf.:Comunidad.Valenciana-FLM



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



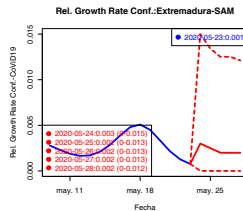
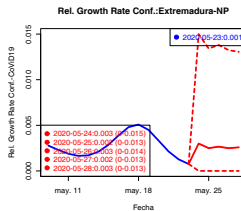
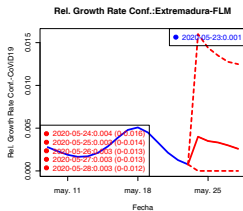
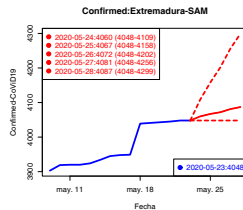
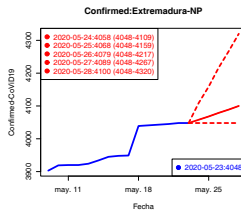
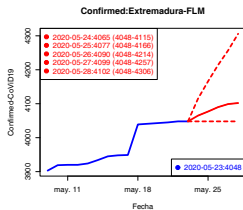
Rel. Growth Rate Conf.:Comunidad.Valenciana-SAM



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

[← Confirmados](#)
[← Fallecidos](#)

Confirmados: Extremadura



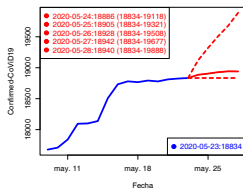
Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

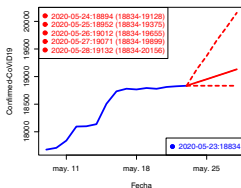
◀ Fallecidos

Confirmados: País Vasco

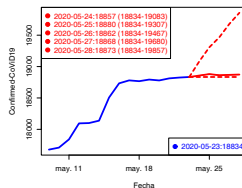
Confirmed:País.Vasco-FLM



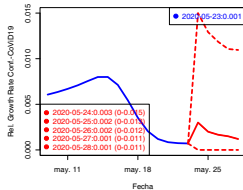
Confirmed:País.Vasco-NP



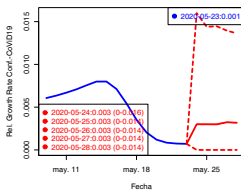
Confirmed:País.Vasco-SAM



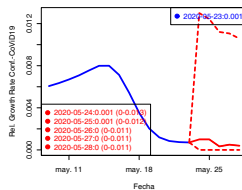
Rel. Growth Rate Conf.:País.Vasco-FLM



Rel. Growth Rate Conf.:País.Vasco-NP



Rel. Growth Rate Conf.:País.Vasco-SAM

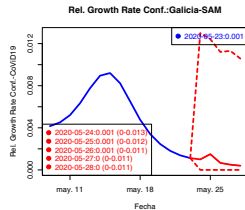
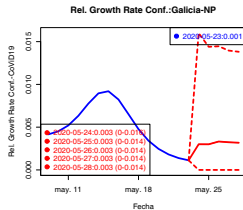
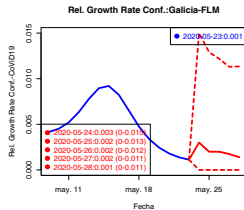
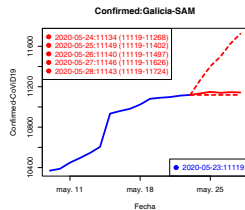
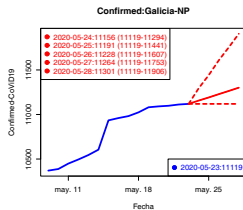
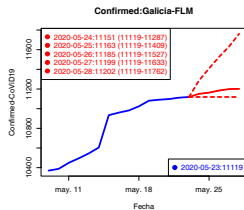


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia

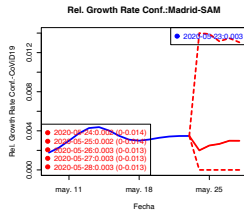
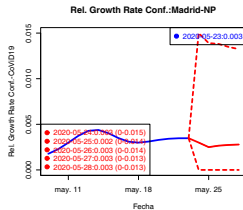
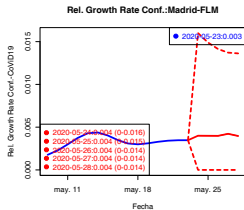
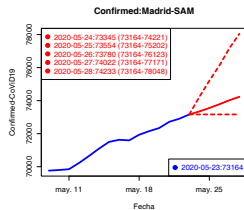
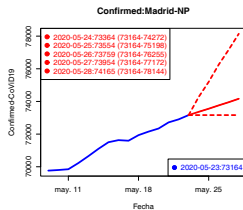
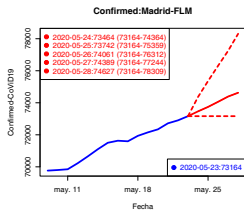


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid

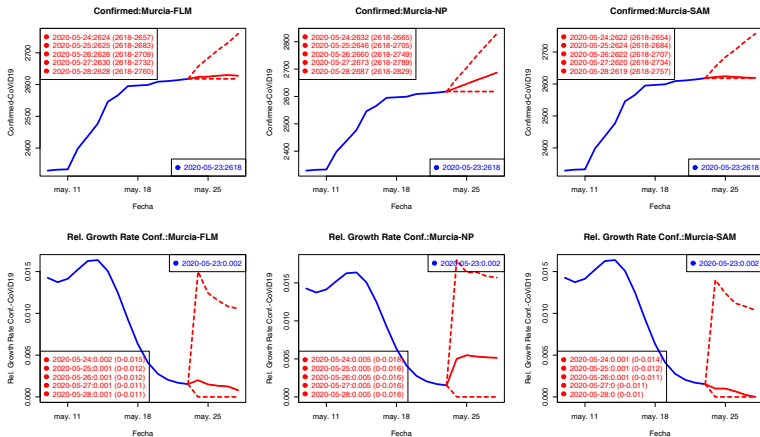


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Murcia

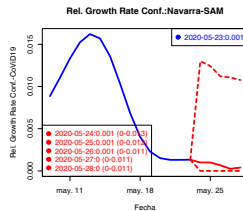
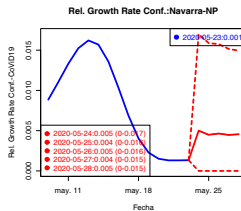
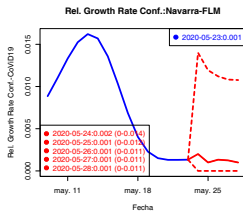
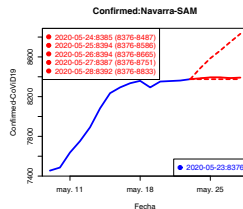
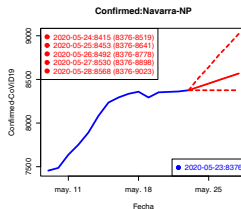
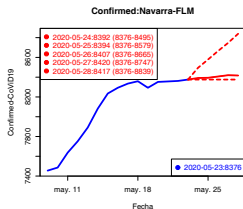


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Navarra

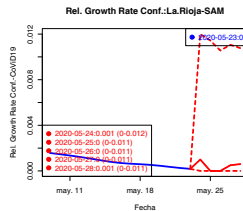
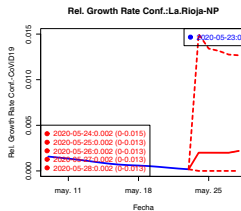
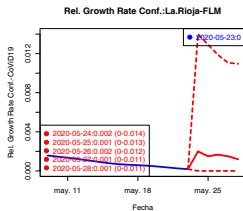
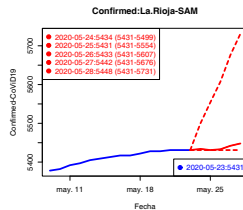
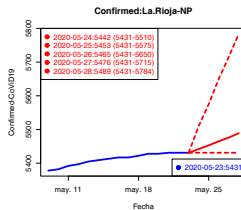
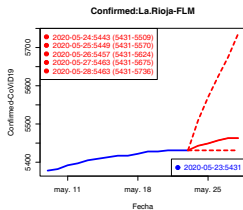


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ 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: 4176

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	0	0	0	0	0	0.621	0.597	0.684
H2	0.002	0.002	0.001	0.001	0.001	0.001	0.674	0.641	0.759
H3	0.003	0.003	0.002	0.002	0.003	0.002	0.744	0.701	0.815
H4	0.004	0.005	0.003	0.005	0.006	0.003	0.772	0.719	0.832
H5	0.006	0.007	0.004	0.007	0.009	0.005	0.802	0.739	0.857

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	28752	28900	29043	29172	29280	29384
Andalucía	1391	1396	1401	1404	1405	1405
Aragón	858	861	864	867	868	869
Asturias	308	309	310	311	311	311
Islas.Baleares	222	223	224	224	225	225
Canarias	157	158	158	159	159	160
Cantabria	209	210	210	210	210	210
Castilla.La.Mancha	2940	2949	2957	2962	2962	2961
Castilla.y.León	1961	1965	1969	1969	1968	1965
Cataluña	6701	6780	6870	6971	7080	7195
Ceuta	4	4	4	4	4	4
Comunidad.Valenciana	1393	1398	1402	1404	1404	1404
Extremadura	506	508	510	511	511	511
Galicia	613	615	616	617	617	616
Madrid	8977	9007	9032	9049	9058	9062
Melilla	2	2	2	2	2	2
Murcia	149	150	150	150	151	150
Navarra	509	510	511	511	510	509
País.Vasco	1494	1500	1504	1507	1506	1505
La.Rioja	358	359	361	361	362	362

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

Tabla Previsión Fallecidos: Mod. No Paramétrico.

	Last	H1	H2	H3	H4	H5
España	28752	29053	29344	29640	29910	30191
Andalucía	1391	1405	1419	1433	1445	1458
Aragón	858	867	875	883	891	899
Asturias	308	311	314	318	321	324
Islas Baleares	222	224	227	229	231	233
Canarias	157	159	160	162	163	165
Cantabria	209	211	213	215	217	219
Castilla-La Mancha	2940	2971	3000	3030	3057	3085
Castilla y León	1961	1981	1999	2019	2036	2054
Cataluña	6701	6781	6862	6941	7018	7094
Ceuta	4	4	4	4	4	4
Comunidad Valenciana	1393	1407	1421	1435	1447	1461
Extremadura	506	511	516	521	526	531
Galicia	613	619	625	631	636	642
Madrid	8977	9067	9153	9242	9321	9405
Melilla	2	2	2	2	2	2
Murcia	149	151	152	154	155	156
Navarra	509	514	519	524	529	533
País Vasco	1494	1509	1524	1539	1553	1567
La Rioja	358	362	365	369	372	375

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

Tabla Previsión Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	28752	28978	29111	29339	29490	29730
Andalucía	1391	1400	1402	1412	1418	1429
Aragón	858	864	866	872	876	883
Asturias	308	310	311	313	314	316
Islas Baleares	222	223	224	225	226	227
Canarias	157	158	159	160	161	162
Cantabria	209	210	210	212	212	213
Castilla La Mancha	2940	2957	2960	2976	2979	2992
Castilla y León	1961	1970	1970	1981	1980	1985
Cataluña	6701	6767	6887	6956	7014	7113
Ceuta	4	4	4	4	4	4
Comunidad Valenciana	1393	1402	1404	1413	1418	1427
Extremadura	506	509	508	512	513	516
Galicia	613	617	617	621	623	628
Madrid	8977	9034	9055	9123	9143	9198
Melilla	2	2	2	2	2	2
Murcia	149	150	150	151	151	152
Navarra	509	511	511	514	515	518
País Vasco	1494	1504	1506	1516	1522	1532
La Rioja	358	361	361	364	366	368

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

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	H1	H2	H3	H4	H5
España	0.007	0.005	0.010	0.015	0.018	0.022
Andalucía	0.004	0.004	0.007	0.009	0.010	0.010
Aragón	0.003	0.004	0.008	0.010	0.012	0.013
Asturias	0.002	0.004	0.008	0.010	0.011	0.011
Islas.Baleares	0.001	0.004	0.008	0.011	0.013	0.014
Canarias	0.004	0.005	0.009	0.013	0.015	0.017
Cantabria	0.000	0.002	0.004	0.005	0.004	0.003
Castilla.La.Mancha	0.002	0.003	0.006	0.007	0.007	0.007
Castilla.y.León	0.000	0.002	0.004	0.004	0.004	0.002
Cataluña	0.024	0.012	0.025	0.040	0.057	0.074
Ceuta	0.000	0.002	0.004	0.005	0.006	0.007
Comunidad.Valenciana	0.002	0.003	0.006	0.008	0.008	0.008
Extremadura	0.001	0.004	0.007	0.009	0.010	0.010
Galicia	0.003	0.003	0.005	0.007	0.006	0.006
Madrid	0.002	0.003	0.006	0.008	0.009	0.009
Melilla	0.000	0.002	0.003	0.003	0.002	0.000
Murcia	0.002	0.005	0.008	0.010	0.010	0.009
Navarra	0.002	0.002	0.003	0.003	0.001	0.000
País.Vasco	0.003	0.004	0.007	0.008	0.008	0.008
La.Rioja	0.003	0.004	0.007	0.009	0.011	0.011

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	0.007	0.010	0.021	0.031	0.040	0.050
Andalucía	0.004	0.010	0.020	0.030	0.039	0.048
Aragón	0.003	0.010	0.020	0.030	0.038	0.048
Asturias	0.002	0.011	0.021	0.031	0.041	0.051
Islas.Baleares	0.001	0.010	0.020	0.031	0.040	0.049
Canarias	0.004	0.010	0.020	0.030	0.039	0.049
Cantabria	0.000	0.010	0.020	0.030	0.038	0.048
Castilla.La.Mancha	0.002	0.010	0.020	0.031	0.040	0.049
Castilla.y.León	0.000	0.010	0.020	0.029	0.038	0.048
Cataluña	0.024	0.012	0.024	0.036	0.047	0.059
Ceuta	0.000	0.010	0.019	0.028	0.037	0.046
Comunidad.Valenciana	0.002	0.010	0.020	0.030	0.039	0.049
Extremadura	0.001	0.010	0.020	0.030	0.039	0.049
Galicia	0.003	0.010	0.019	0.029	0.038	0.047
Madrid	0.002	0.010	0.020	0.030	0.038	0.048
Melilla	0.000	0.010	0.019	0.028	0.037	0.046
Murcia	0.002	0.010	0.021	0.031	0.040	0.050
Navarra	0.002	0.010	0.020	0.030	0.039	0.048
País.Vasco	0.003	0.010	0.020	0.030	0.039	0.049
La.Rioja	0.003	0.010	0.019	0.029	0.038	0.047

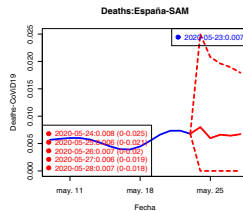
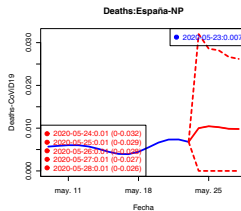
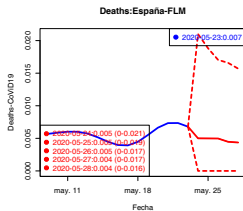
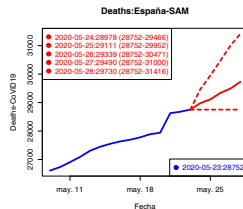
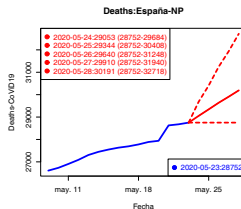
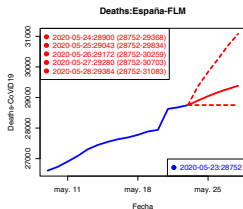
Cuadro: Previsión Ratio Incr. Fallecidos: Mod. No Paramétrico - Horizonte 1 – 5 días.

Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

	Last	H1	H2	H3	H4	H5
España	0.007	0.008	0.012	0.020	0.026	0.034
Andalucía	0.004	0.006	0.008	0.015	0.020	0.027
Aragón	0.003	0.007	0.009	0.017	0.021	0.029
Asturias	0.002	0.007	0.010	0.016	0.019	0.025
Islas.Baleares	0.001	0.006	0.007	0.015	0.017	0.023
Canarias	0.004	0.007	0.011	0.019	0.023	0.030
Cantabria	0.000	0.005	0.007	0.013	0.015	0.020
Castilla.La.Mancha	0.002	0.006	0.007	0.012	0.013	0.018
Castilla.y.León	0.000	0.004	0.005	0.010	0.010	0.012
Cataluña	0.024	0.010	0.028	0.038	0.047	0.061
Ceuta	0.000	0.004	0.006	0.012	0.011	0.014
Comunidad.Valenciana	0.002	0.006	0.008	0.014	0.018	0.024
Extremadura	0.001	0.005	0.004	0.012	0.014	0.019
Galicia	0.003	0.006	0.006	0.013	0.017	0.024
Madrid	0.002	0.006	0.009	0.016	0.018	0.025
Melilla	0.000	0.006	0.005	0.013	0.014	0.020
Murcia	0.002	0.004	0.006	0.011	0.014	0.020
Navarra	0.002	0.003	0.005	0.009	0.012	0.018
País.Vasco	0.003	0.007	0.008	0.015	0.019	0.025
La.Rioja	0.003	0.007	0.009	0.018	0.022	0.028

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

Fallecidos: España

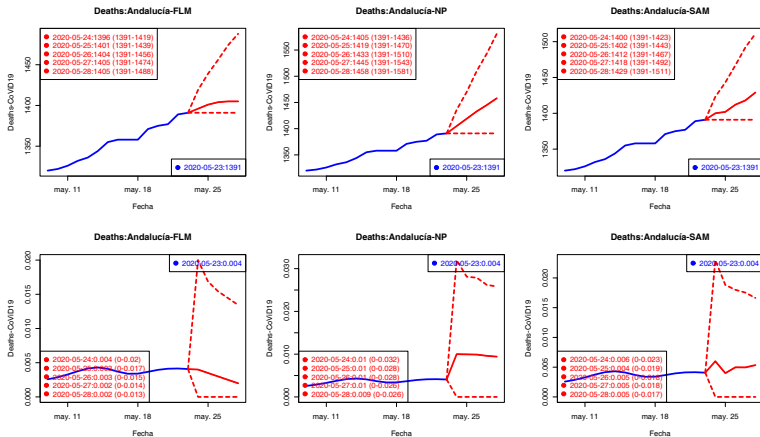


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Andalucía

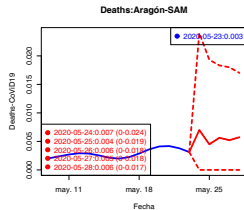
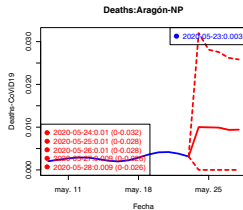
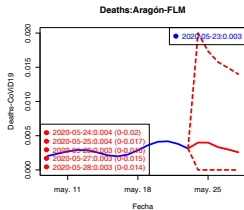
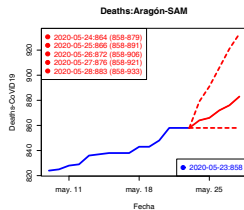
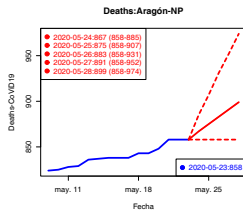
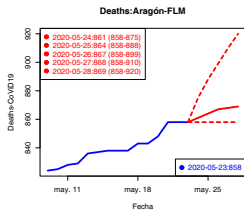


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Aragón

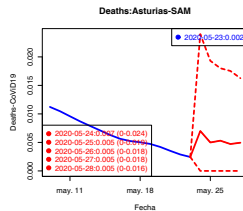
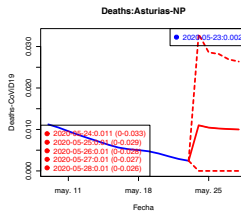
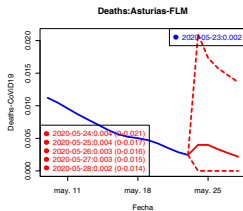
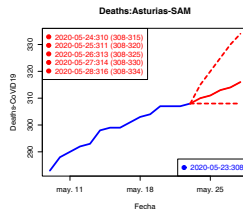
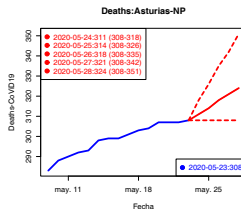
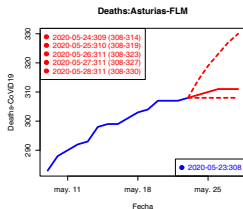


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Asturias

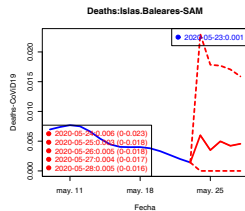
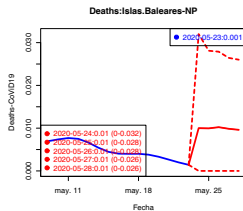
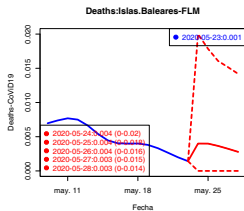
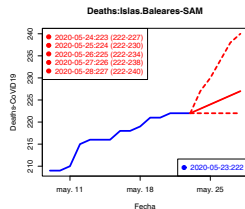
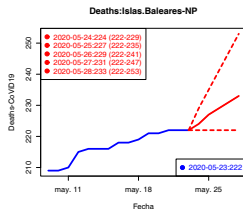
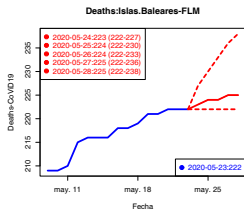


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Islas Baleares

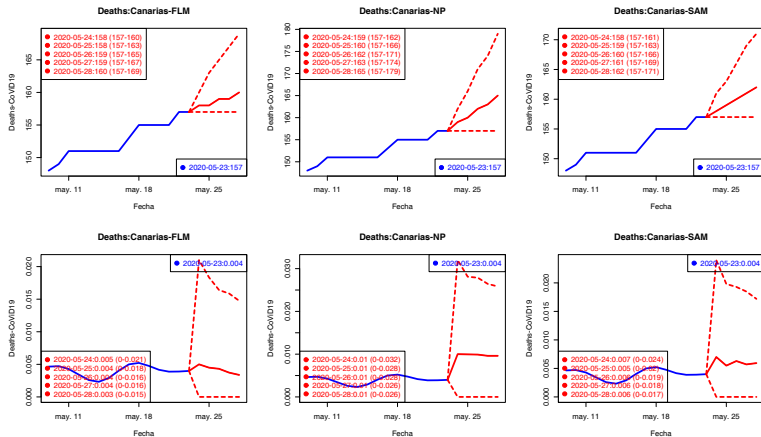


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Canarias

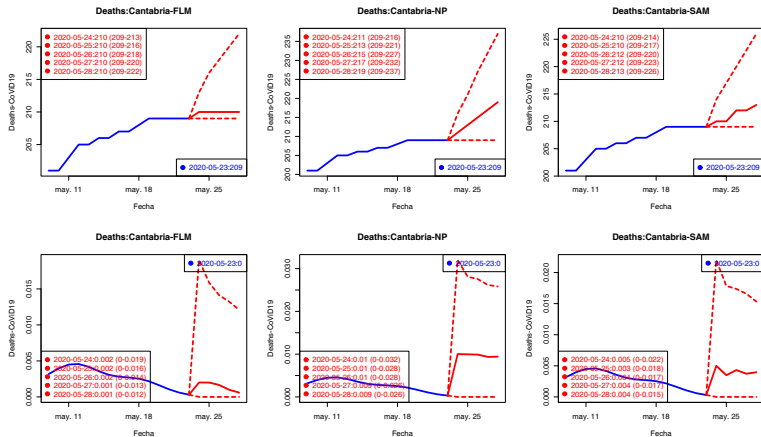


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Cantabria

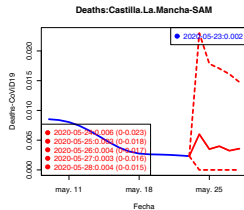
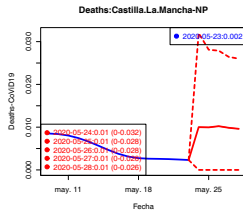
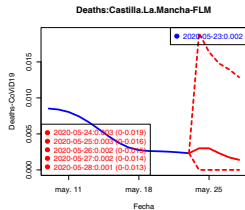
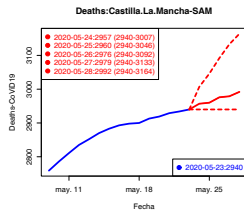
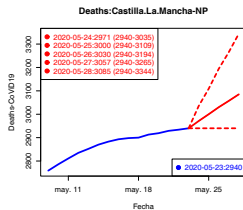
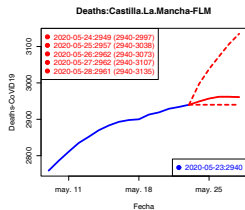


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

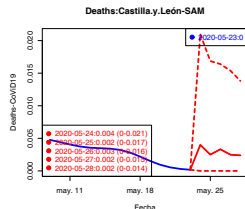
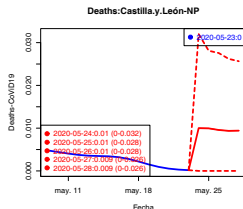
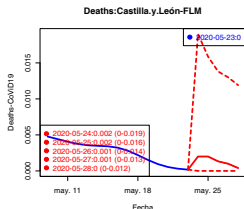
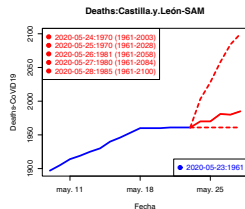
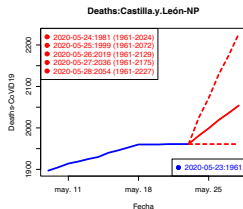
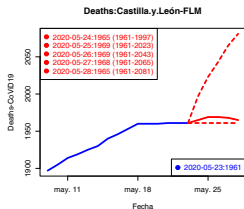
◀ Fallecidos

Fallecidos: Castilla-La Mancha



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

Fallecidos: Castilla y León

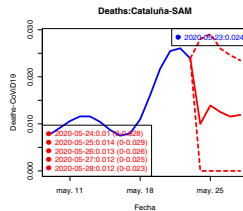
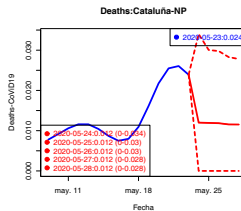
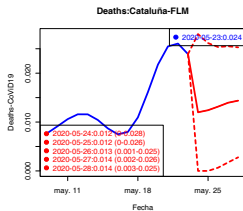
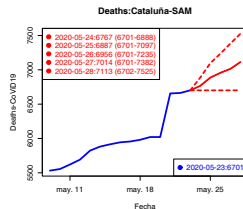
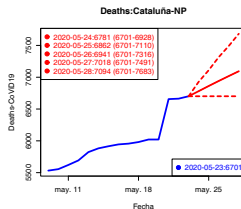
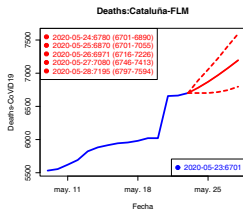


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

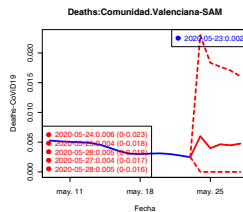
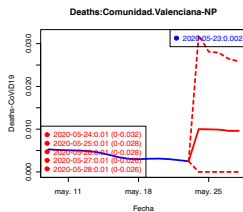
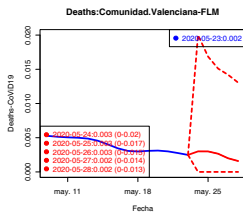
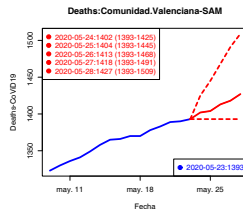
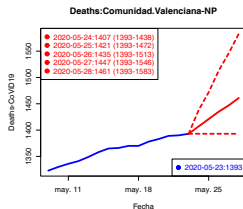
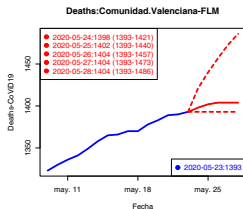
◀ Fallecidos

Fallecidos: Cataluña



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

Fallecidos: C. Valenciana

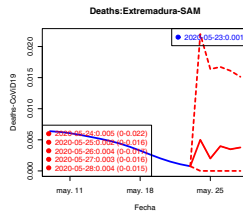
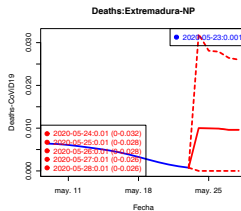
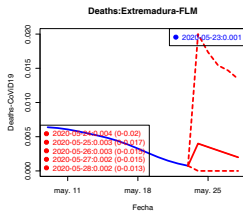
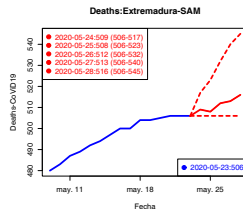
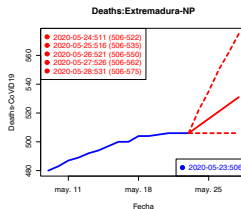
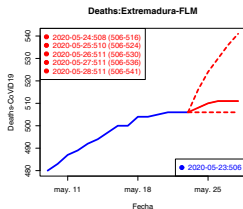


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Extremadura

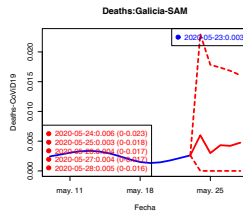
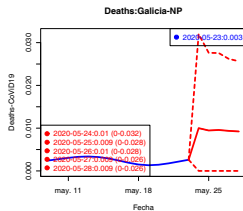
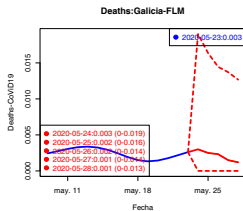
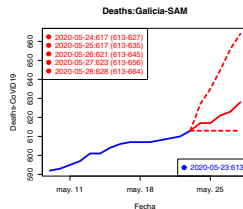
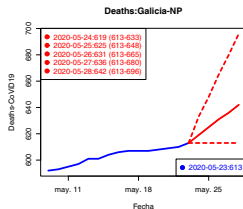
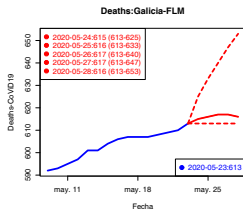


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Galicia

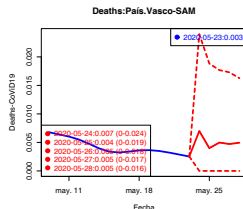
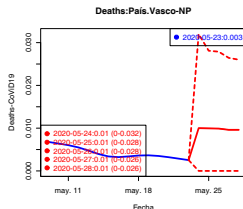
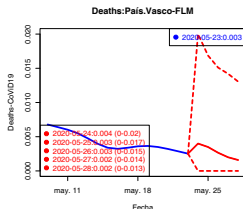
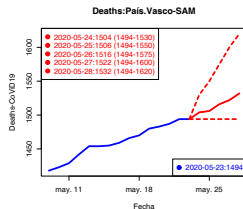
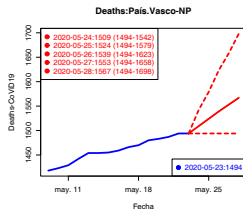
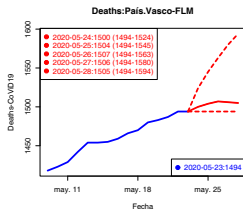


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: País Vasco

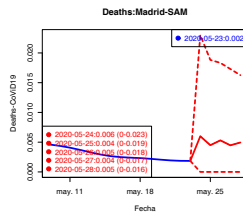
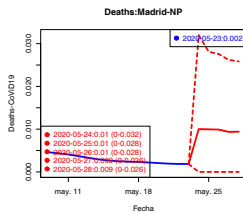
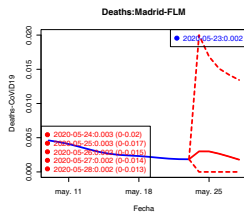
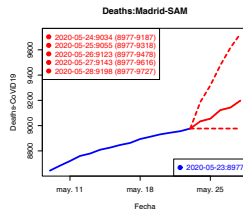
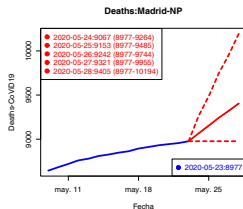
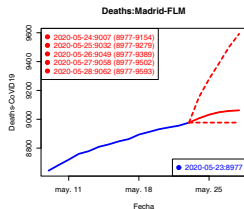


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Madrid

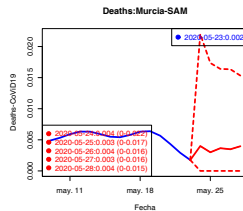
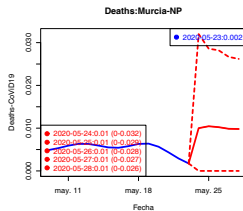
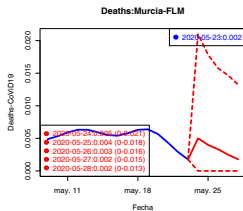
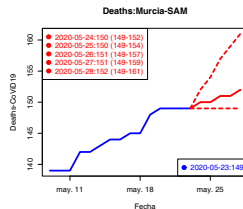
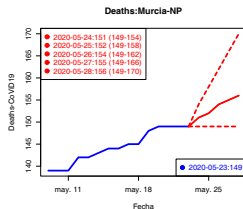
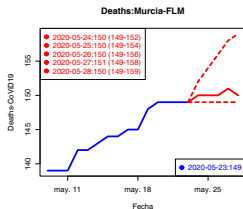


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

← Confirmados

← Fallecidos

Fallecidos: Murcia

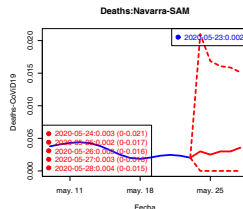
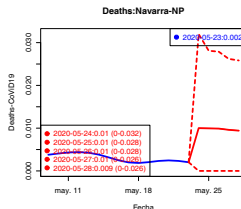
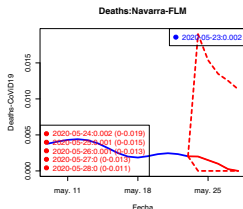
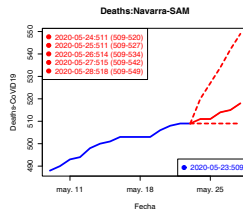
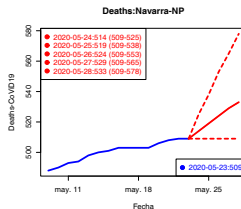
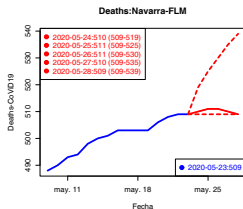


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Navarra

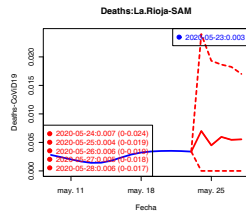
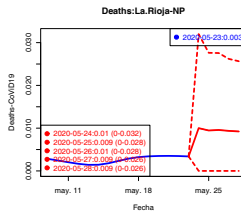
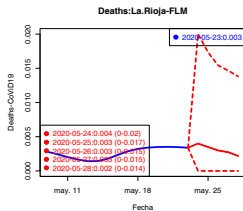
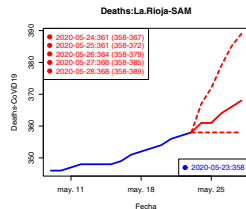
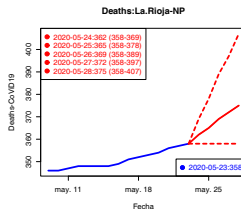
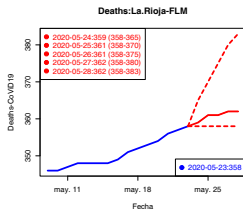


Los valores del Ratio de incremento de H2–H5 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: La Rioja

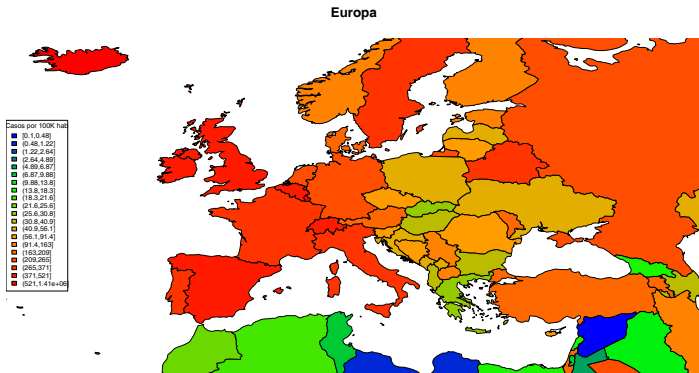


Los valores del Ratio de incremento de H2-H5 están rescalados a H1 para su comparación gráfica.

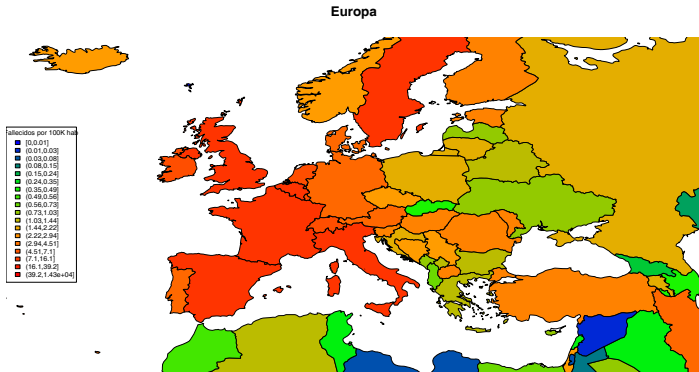
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 - Predicciones Fallecidos
- 3 Panorama internacional

Europa: Confirmados por 100K hab.

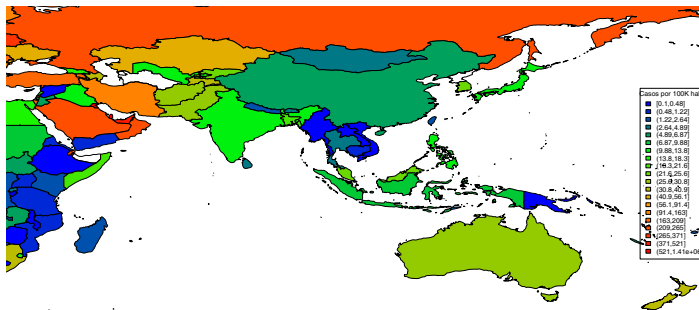


Europa: Fallecidos por 100K hab.



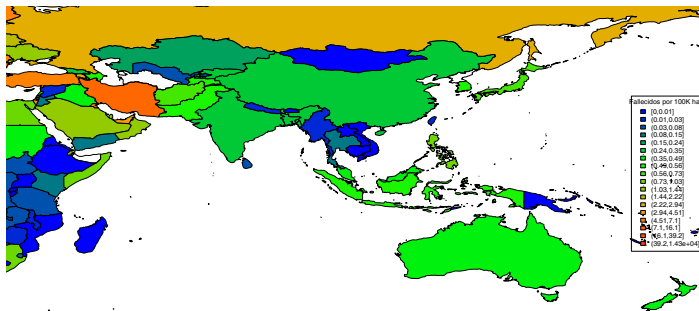
Asia y Oceanía: Casos por 100K hab.

Asia y Oceanía



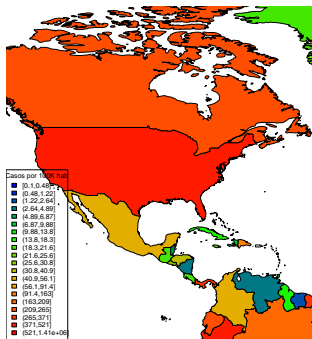
Asia y Oceanía: Fallecidos por 100K hab.

Asia y Oceanía

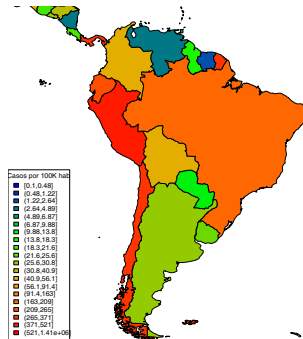


América: Casos por 100K hab.

América del Norte

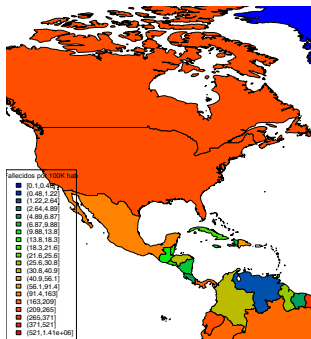


América del sur

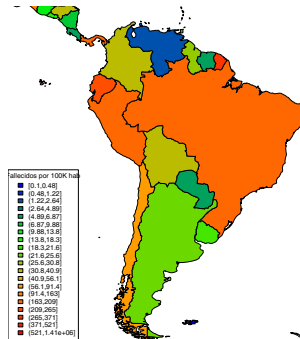


América: Fallecidos por 100K hab.

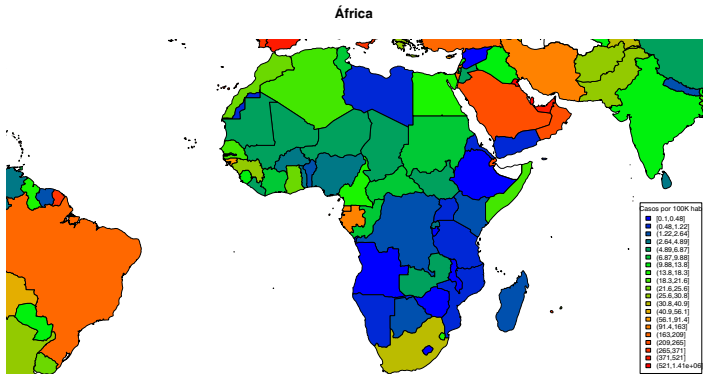
América del Norte



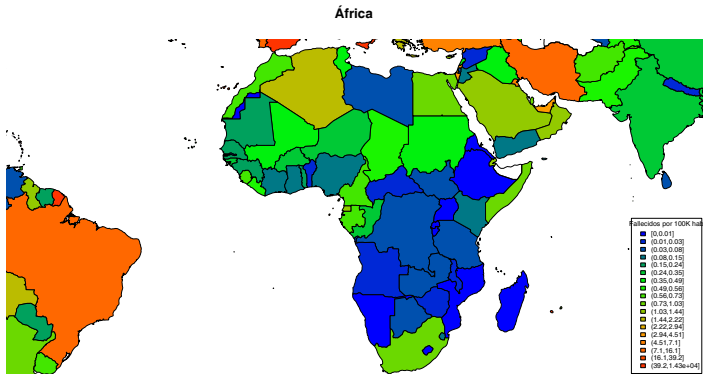
América del sur



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.