

Predicciones sobre CoViD-19

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DEPARTAMENTO DE ESTATÍSTICA,
ANÁLISE MATEMÁTICA E OPTIMIZACIÓN



- Predicciones

- Predicciones Fallecidos

Datos

Número de datos funcionales: 2146

Países/Regiones distintos incorporados: 108

Predicciones:

▶ España

► Andalucía

► Aragón

► Asturias

► **Baleares**

► **Canarias**

► **Cantabria**

▶ Catalunya

► Castilla-La Mancha

▶ Castilla y León

▶ C. Valenciana

► Extremadura

► Euskadi

► **Galicia**

► Madrid

► Murcia

► Navarra

► **La Rioja**

- ▶ Mod Lineal

- ▶ Mod NP

► Mod Aditivo

Horiz	Medida	FLM	NP	SAM
H1	σ_R^2	0.014	0.013	0.013
H1	$\sigma_R^2(rob.)$	0.008	0.008	0.008
H1	r^2	0.411	0.459	0.451
H2	σ_R^2	0.048	0.044	0.043
H2	$\sigma_R^2(rob.)$	0.03	0.029	0.029
H2	r^2	0.486	0.538	0.54
H3	σ_R^2	0.118	0.108	0.103
H3	$\sigma_R^2(rob.)$	0.069	0.071	0.069
H3	r^2	0.514	0.561	0.571

Último dato: 2020-03-31 21:00 que se publica 2020-04-01 12:00.

Tabla Previsión Confirmados: Mod. Lineal.

	Last	N:H1-lw	N:H1-fit	N:H1-up	N:H2-lw	N:H2-fit	N:H2-up
España	102136	102136	109683	119413	102136	115892	134318
Andalucía	6392	6529	6982	7436	6776	7637	8497
Aragón	2491	2580	2757	2934	2724	3059	3394
Asturias	1322	1327	1421	1515	1351	1529	1707
Baleares	1131	1146	1226	1307	1177	1329	1481
Canarias	1380	1399	1497	1595	1440	1626	1812
Cantabria	1213	1244	1330	1416	1292	1456	1619
Cataluña	19991	20306	21751	23195	20827	23569	26311
Castilla.La.Mancha	7047	7282	7781	8281	7650	8599	9548
Castilla.y.León	6847	7023	7509	7995	7292	8215	9139
C..Valenciana	5922	6045	6465	6885	6261	7058	7856
Extremadura	1679	1690	1809	1929	1724	1950	2176
Euskadi	6838	6900	7385	7871	7053	7975	8896
Galicia	4432	4617	4931	5245	4894	5490	6087
Madrid	29840	30006	32172	34338	30535	34646	38757
Murcia	1041	1053	1127	1201	1080	1220	1360
Navarra	2497	2525	2703	2880	2593	2929	3265
La.Rioja	1960	1979	2118	2257	2034	2298	2562

Table: Previsión Confirmados: Mod. Lineal - Horizonte 1 y 2 días.

Tabla Previsión Confirmados: Mod. No Paramétrico.

	Last	N:H1-lw	N:H1-fit	N:H1-up	N:H2-lw	N:H2-fit	N:H2-up
España	102136	105425	112942	120458	110329	124362	138396
Andalucía	6392	6611	7081	7552	6933	7811	8690
Aragón	2491	2640	2824	3007	2839	3182	3524
Asturias	1322	1329	1427	1524	1354	1535	1717
Baleares	1131	1181	1264	1347	1247	1402	1558
Canarias	1380	1424	1525	1627	1488	1678	1867
Cantabria	1213	1298	1387	1477	1407	1573	1740
Cataluña	19991	21026	22497	23968	22375	25122	27868
Castilla.La.Mancha	7047	7424	7943	8461	7924	8893	9861
Castilla.y.León	6847	7218	7722	8226	7698	8639	9579
C..Valenciana	5922	6169	6604	7040	6510	7324	8138
Extremadura	1679	1761	1884	2008	1871	2102	2333
Euskadi	6838	7036	7539	8043	7337	8277	9216
Galicia	4432	4721	5047	5373	5095	5704	6313
Madrid	29840	30009	32204	34399	30622	34721	38819
Murcia	1041	1083	1160	1236	1141	1284	1427
Navarra	2497	2551	2735	2918	2642	2985	3328
La.Rioja	1960	1962	2107	2251	1994	2264	2533

Table: Previsión Confirmados: Mod. No Paramétrico - Horizonte 1 y 2 días.

Tabla Previsión Confirmados: Mod. Aditivo.

	Last	N:H1-lw	N:H1-fit	N:H1-up	N:H2-lw	N:H2-fit	N:H2-up
España	102136	107010	113124	119238	111698	123921	136144
Andalucía	6392	6731	7113	7495	7076	7840	8604
Aragón	2491	2678	2828	2977	2873	3172	3470
Asturias	1322	1342	1421	1500	1365	1523	1681
Baleares	1131	1162	1230	1298	1191	1327	1463
Canarias	1380	1435	1518	1601	1487	1652	1817
Cantabria	1213	1262	1336	1410	1311	1459	1607
Cataluña	19991	20751	21952	23153	21514	23913	26312
Castilla.La.Mancha	7047	7506	7928	8351	8050	8893	9737
Castilla.y.León	6847	7133	7544	7955	7331	8152	8972
C..Valenciana	5922	6225	6580	6935	6475	7185	7894
Extremadura	1679	1760	1862	1965	1804	2009	2214
Euskadi	6838	7098	7509	7919	7293	8114	8934
Galicia	4432	4770	5035	5301	5157	5688	6219
Madrid	29840	31102	32884	34666	32364	35927	39491
Murcia	1041	1082	1145	1208	1108	1233	1358
Navarra	2497	2599	2748	2898	2686	2984	3283
La.Rioja	1960	2053	2171	2288	2146	2381	2616

Table: Previsión número de casos confirmados: Mod. Aditivo - Horizonte 1 y 2 días.

Tabla Ratio Incr. Confirmados: Mod. Lineal.

	Last	RI:H1-lw	RI:H1-fit	RI:H1-up	RI:H2-lw	RI:H2-fit	RI:H2-up
España	0.107	0.000	0.074	0.169	0.000	0.135	0.315
Andalucía	0.115	0.021	0.092	0.163	0.060	0.195	0.329
Aragón	0.138	0.036	0.107	0.178	0.093	0.228	0.362
Asturias	0.079	0.004	0.075	0.146	0.022	0.156	0.291
Baleares	0.092	0.013	0.084	0.155	0.040	0.175	0.310
Canarias	0.099	0.014	0.085	0.156	0.044	0.178	0.313
Cantabria	0.103	0.026	0.097	0.168	0.065	0.200	0.335
Cataluña	0.107	0.016	0.088	0.160	0.042	0.179	0.316
Castilla.La.Mancha	0.128	0.033	0.104	0.175	0.086	0.220	0.355
Castilla.y.León	0.115	0.026	0.097	0.168	0.065	0.200	0.335
C..Valenciana	0.111	0.021	0.092	0.163	0.057	0.192	0.326
Extremadura	0.091	0.007	0.078	0.149	0.026	0.161	0.296
Euskadi	0.094	0.009	0.080	0.151	0.031	0.166	0.301
Galicia	0.141	0.042	0.113	0.183	0.104	0.239	0.373
Madrid	0.102	0.006	0.078	0.151	0.023	0.161	0.299
Murcia	0.095	0.012	0.083	0.153	0.037	0.172	0.307
Navarra	0.098	0.011	0.082	0.153	0.039	0.173	0.308
La.Rioja	0.101	0.010	0.081	0.152	0.038	0.172	0.307

Table: Previsión Ratio Incr. Confirmados: Mod. lineal - Horizonte 1 y 2 días.

Tabla Ratio Incr. Confirmados: Mod. No Paramétrico.

	Last	RI:H1-lw	RI:H1-fit	RI:H1-up	RI:H2-lw	RI:H2-fit	RI:H2-up
España	0.107	0.032	0.106	0.179	0.080	0.218	0.355
Andalucía	0.115	0.034	0.108	0.181	0.085	0.222	0.359
Aragón	0.138	0.060	0.134	0.207	0.140	0.277	0.415
Asturias	0.079	0.006	0.079	0.153	0.024	0.161	0.299
Baleares	0.092	0.044	0.117	0.191	0.102	0.240	0.377
Canarias	0.099	0.032	0.105	0.179	0.078	0.216	0.353
Cantabria	0.103	0.070	0.144	0.217	0.160	0.297	0.434
Cataluña	0.107	0.052	0.125	0.199	0.119	0.257	0.394
Castilla.La.Mancha	0.128	0.053	0.127	0.201	0.124	0.262	0.399
Castilla.y.León	0.115	0.054	0.128	0.201	0.124	0.262	0.399
C..Valenciana	0.111	0.042	0.115	0.189	0.099	0.237	0.374
Extremadura	0.091	0.049	0.122	0.196	0.114	0.252	0.389
Euskadi	0.094	0.029	0.103	0.176	0.073	0.210	0.348
Galicia	0.141	0.065	0.139	0.212	0.149	0.287	0.424
Madrid	0.102	0.006	0.079	0.153	0.026	0.164	0.301
Murcia	0.095	0.040	0.114	0.187	0.096	0.233	0.371
Navarra	0.098	0.022	0.095	0.169	0.058	0.195	0.333
La.Rioja	0.101	0.001	0.075	0.148	0.018	0.155	0.292

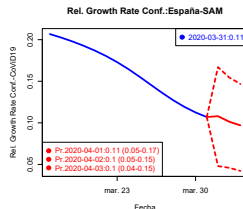
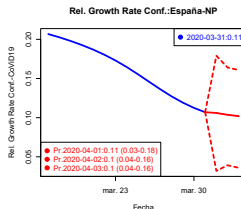
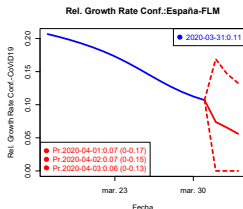
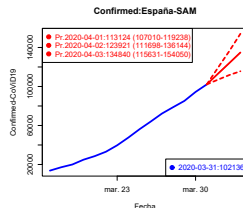
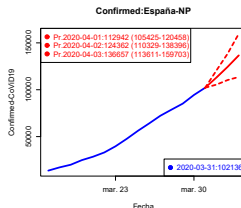
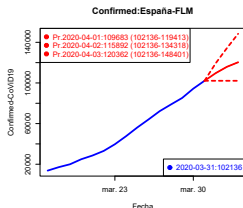
Table: Previsión Ratio Incr. Confirmados: Mod. No Paramétrico - Horizonte 1 y 2 días.

Tabla Ratio Incr. Confirmados: Mod. Aditivo.

	Last	RI:H1-lw	RI:H1-fit	RI:H1-up	RI:H2-lw	RI:H2-fit	RI:H2-up
España	0.107	0.048	0.108	0.167	0.094	0.213	0.333
Andalucía	0.115	0.053	0.113	0.173	0.107	0.227	0.346
Aragón	0.138	0.075	0.135	0.195	0.153	0.273	0.393
Asturias	0.079	0.015	0.075	0.134	0.033	0.152	0.272
Baleares	0.092	0.028	0.088	0.148	0.053	0.173	0.293
Canarias	0.099	0.040	0.100	0.160	0.077	0.197	0.317
Cantabria	0.103	0.040	0.101	0.162	0.081	0.203	0.324
Cataluña	0.107	0.038	0.098	0.158	0.076	0.196	0.316
Castilla.La.Mancha	0.128	0.065	0.125	0.185	0.142	0.262	0.382
Castilla.y.León	0.115	0.042	0.102	0.162	0.071	0.190	0.310
C..Valenciana	0.111	0.051	0.111	0.171	0.093	0.213	0.333
Extremadura	0.091	0.048	0.109	0.170	0.074	0.196	0.318
Euskadi	0.094	0.038	0.098	0.158	0.067	0.187	0.306
Galicia	0.141	0.076	0.136	0.196	0.164	0.283	0.403
Madrid	0.102	0.042	0.102	0.162	0.085	0.204	0.323
Murcia	0.095	0.040	0.100	0.160	0.064	0.184	0.305
Navarra	0.098	0.041	0.101	0.161	0.075	0.195	0.315
La.Rioja	0.101	0.048	0.107	0.167	0.095	0.215	0.335

Table: Previsión Ratio Incr. Confirmados: Mod. Aditivo - Horizonte 1 y 2 días.

Confirmados: España

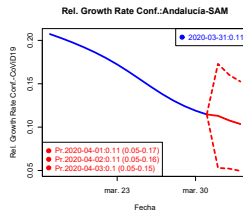
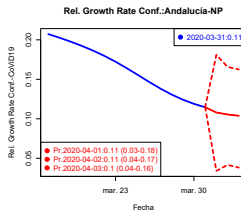
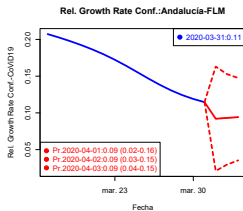
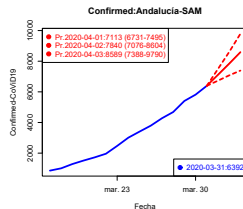
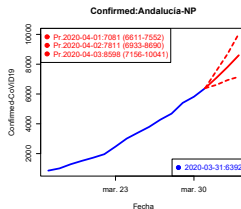
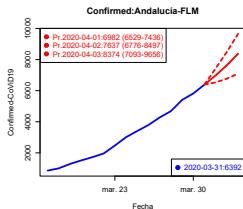


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

← Confirmados

← Fallecidos

Confirmados: Andalucía

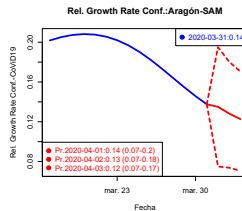
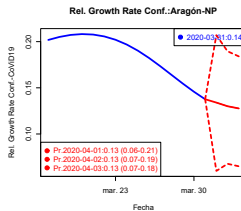
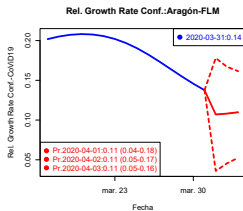
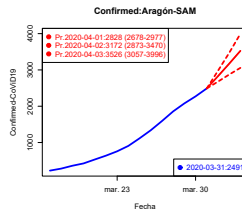
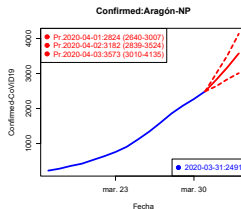
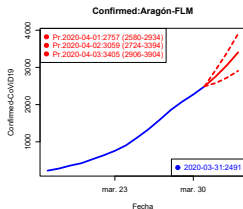


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Aragón

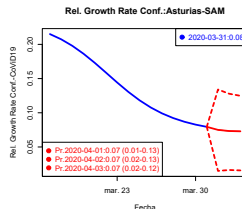
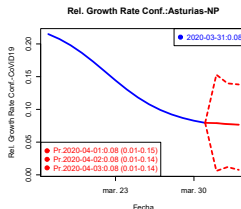
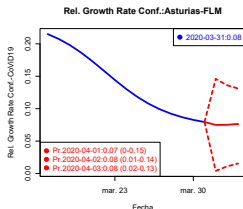
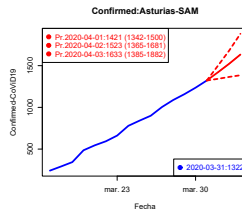
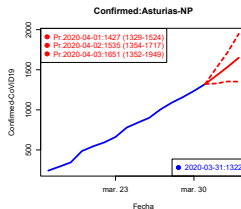
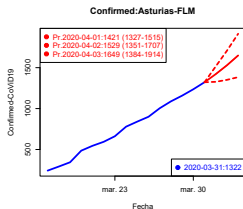


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Asturias

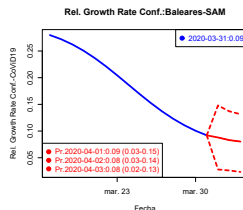
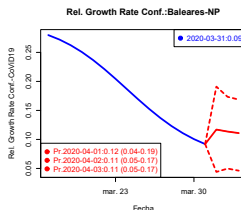
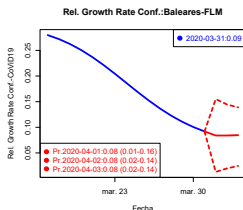
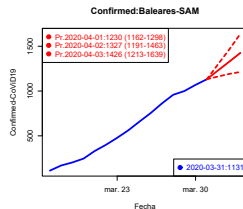
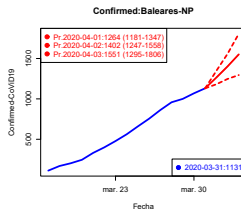
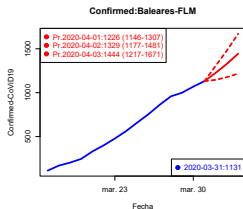


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Baleares

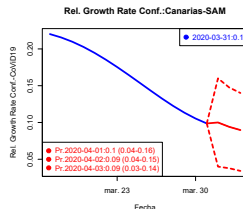
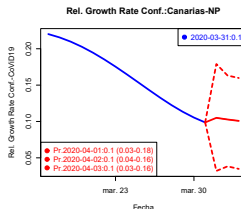
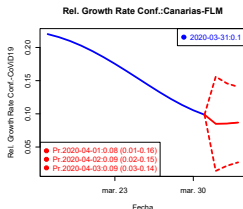
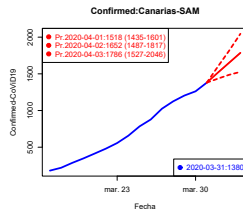
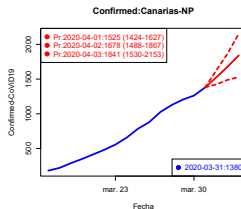
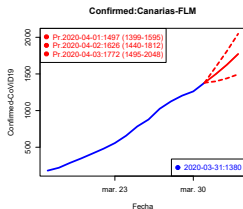


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Canarias

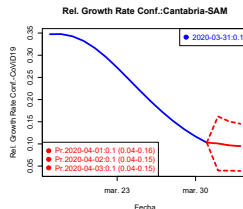
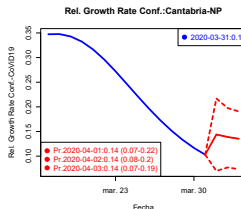
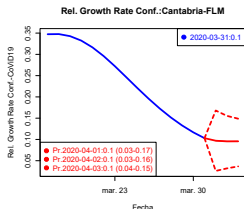
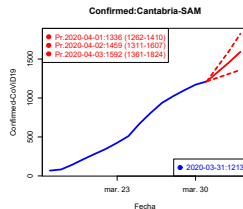
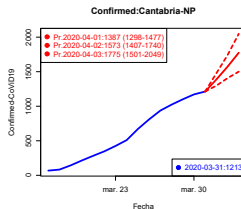
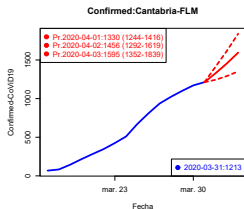


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cantabria



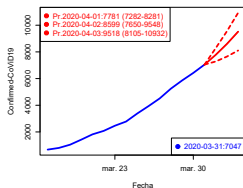
Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

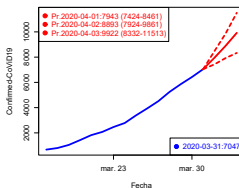
◀ Fallecidos

Confirmados: Castilla-La Mancha

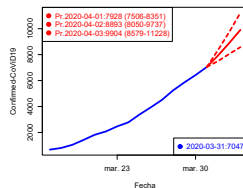
Confirmed:Castilla.La.Mancha-FLM



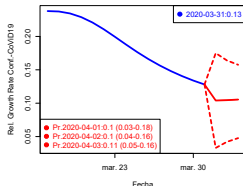
Confirmed:Castilla.La.Mancha-NP



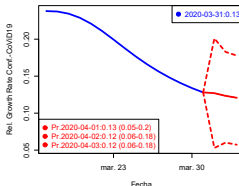
Confirmed:Castilla.La.Mancha-SAM



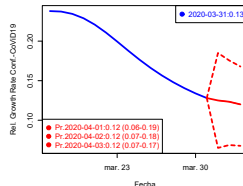
Rel. Growth Rate Conf.:Castilla.La.Mancha-FLM



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



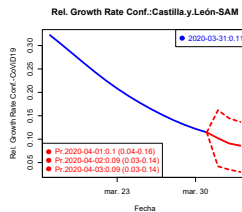
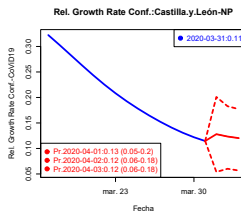
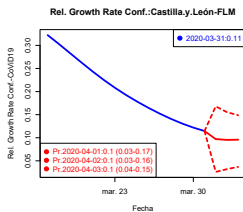
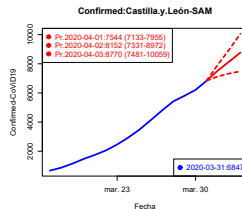
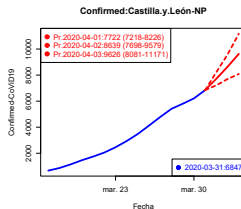
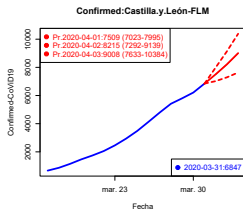
Rel. Growth Rate Conf.:Castilla.La.Mancha-SAM



Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

[◀ Confirmados](#)
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Confirmados: Castilla y León

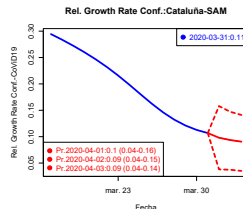
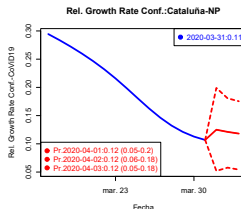
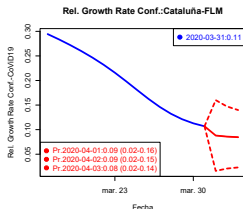
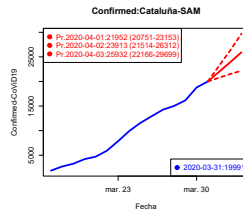
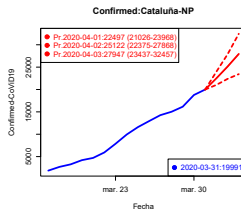
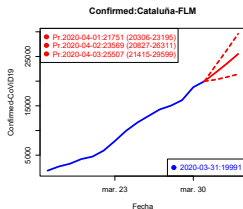


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Cataluña

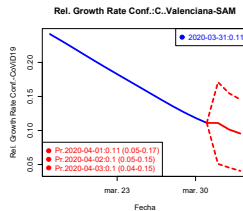
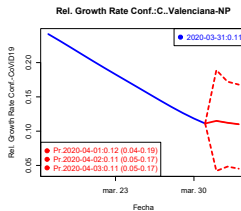
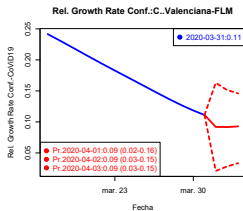
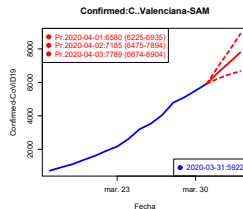
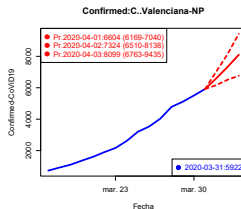
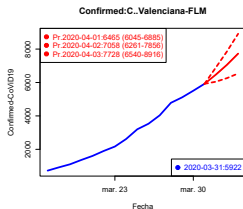


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: C. Valenciana

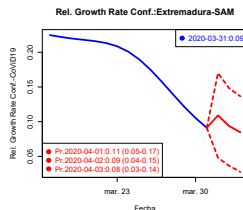
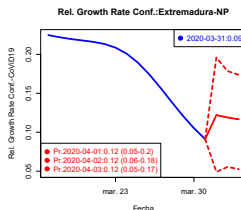
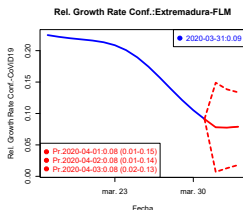
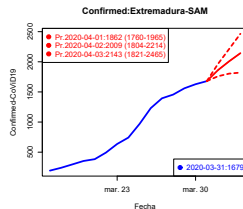
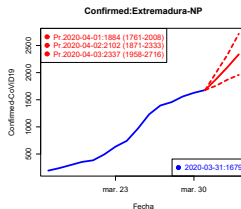
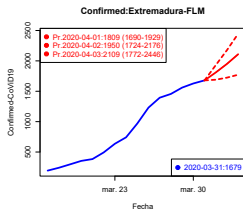


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Extremadura

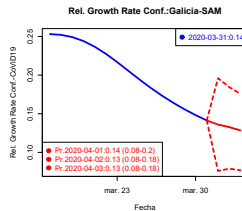
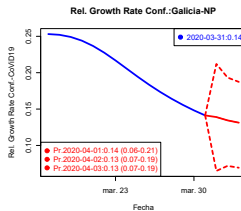
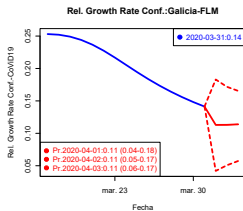
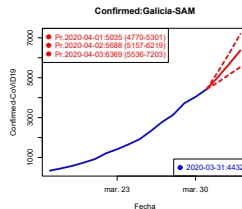
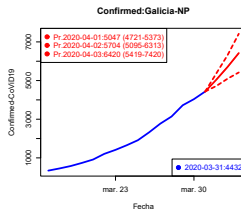
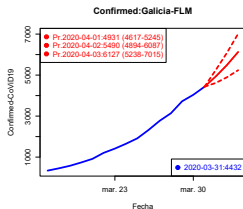


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Galicia

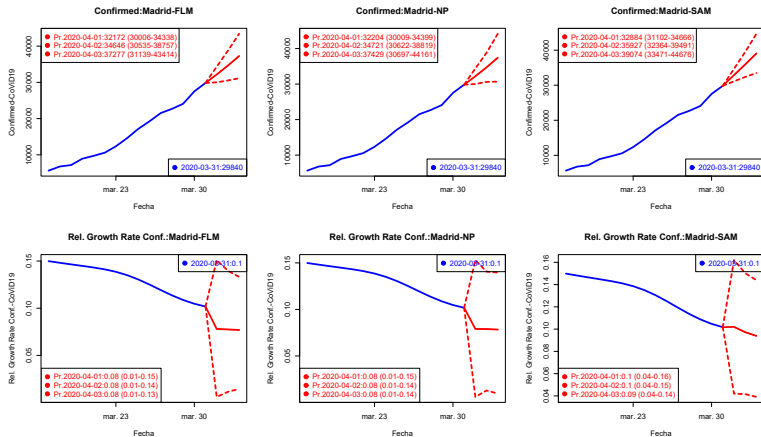


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Madrid

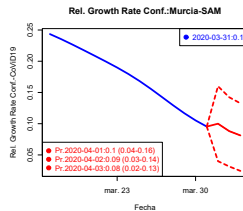
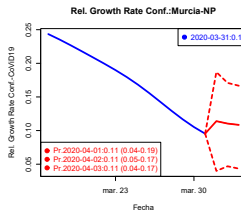
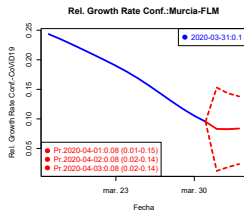
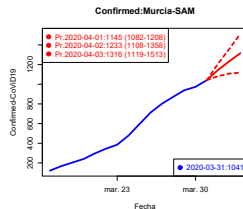
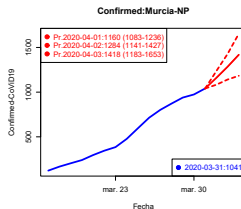
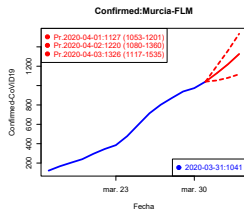


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Murcia

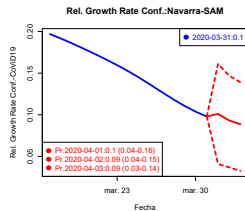
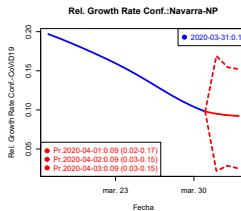
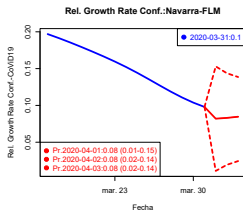
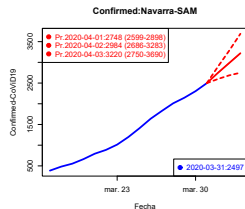
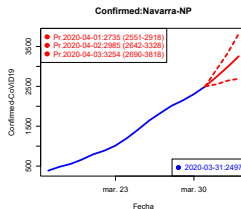
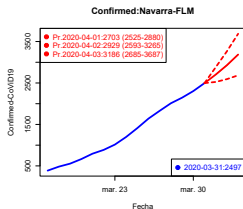


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: Navarra

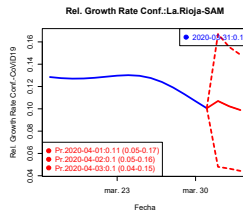
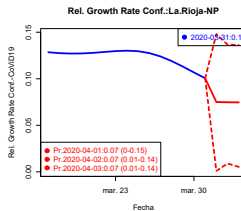
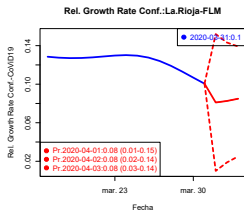
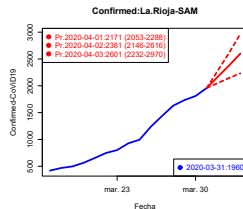
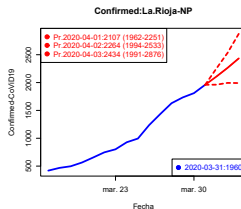
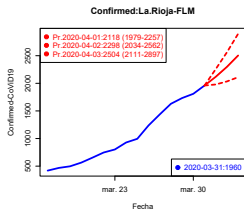


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Confirmados: La Rioja



Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

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► Mod Lineal ► Mod NP ► Mod Aditivo

Horiz	Medida	FLM	NP	SAM
H1	σ_R^2	0.064	0.06	0.062
H1	$\sigma_R^2(rob.)$	0.033	0.036	0.031
H1	r^2	0.173	0.241	0.194
H2	σ_R^2	0.187	0.169	0.176
H2	$\sigma_R^2(rob.)$	0.139	0.136	0.143
H2	r^2	0.273	0.352	0.311
H3	σ_R^2	0.458	0.414	0.423
H3	$\sigma_R^2(rob.)$	0.323	0.306	0.304
H3	r^2	0.311	0.386	0.36

Tabla Previsión Fallecidos: Mod. Lineal.

	Last	N:H1-lw	N:H1-fit	N:H1-up	N:H2-lw	N:H2-fit	N:H2-up
España	9053	9079	10255	11431	9386	11578	13771
Andalucía	308	311	351	391	322	398	473
Aragón	169	174	196	217	187	228	269
Asturias	63	63	72	80	65	81	97
Baleares	46	47	54	60	50	62	73
Canarias	62	63	71	79	66	81	96
Cantabria	54	58	65	72	64	78	91
Cataluña	1849	1924	2180	2436	2033	2506	2978
Castilla.La.Mancha	774	793	897	1001	834	1027	1219
Castilla.y.León	585	607	685	763	648	793	938
C..Valenciana	395	400	452	505	418	515	612
Extremadura	152	156	177	197	165	202	240
Euskadi	369	369	414	462	376	465	555
Galicia	103	107	121	134	116	142	167
Madrid	3865	3865	4274	4774	3865	4722	5655
Murcia	37	39	44	49	42	52	61
Navarra	130	132	149	167	138	170	202
La.Rioja	90	90	100	112	90	111	134

Table: Previsión fallecidos: Mod. lineal - Horizonte 1 y 2 días.

Tabla Previsión Fallecidos: Mod. Aditivo.

	fxtd	N:H1-lw	N:H1-fit	N:H1-up	N:H2-lw	N:H2-fit	N:H2-up
España	9053	9234	10281	11328	9595	11315	13035
Andalucía	308	315	351	387	329	388	447
Aragón	169	180	199	219	202	234	266
Asturias	63	63	70	78	63	75	89
Baleares	46	48	54	59	53	62	71
Canarias	62	64	71	78	67	79	91
Cantabria	54	57	64	70	62	73	84
Cataluña	1849	1917	2149	2381	2018	2431	2844
Castilla.La.Mancha	774	805	897	990	851	1008	1165
Castilla.y.León	585	619	688	758	676	791	906
C..Valenciana	395	406	453	499	429	506	583
Extremadura	152	161	178	196	174	204	233
Euskadi	369	375	417	460	394	464	534
Galicia	103	111	123	135	124	143	163
Madrid	3865	3865	4248	4696	3865	4495	5235
Murcia	37	40	45	49	47	54	62
Navarra	130	131	147	162	134	160	187
La.Rioja	90	90	99	109	90	104	122

Table: Previsión fallecidos: Mod. Aditivo - Horizonte 1 y 2 días.

Tabla Ratio Incr. Fallecidos: Mod. Lineal.

	Last	RI:H1-lw	RI:H1-fit	RI:H1-up	RI:H2-lw	RI:H2-fit	RI:H2-up
España	0.141	0.003	0.133	0.263	0.037	0.279	0.521
Andalucía	0.164	0.008	0.139	0.270	0.046	0.290	0.534
Aragón	0.219	0.028	0.157	0.285	0.105	0.345	0.586
Asturias	0.163	0.000	0.136	0.272	0.035	0.287	0.539
Baleares	0.175	0.030	0.161	0.293	0.096	0.340	0.585
Canarias	0.180	0.012	0.142	0.272	0.062	0.305	0.547
Cantabria	0.249	0.067	0.200	0.334	0.181	0.429	0.676
Cataluña	0.192	0.041	0.179	0.317	0.100	0.355	0.610
Castilla.La.Mancha	0.163	0.025	0.159	0.292	0.078	0.326	0.574
Castilla.y.León	0.187	0.038	0.171	0.304	0.108	0.355	0.603
C..Valenciana	0.154	0.013	0.145	0.277	0.058	0.302	0.547
Extremadura	0.193	0.029	0.160	0.292	0.083	0.328	0.573
Euskadi	0.125	0.000	0.122	0.251	0.020	0.261	0.502
Galicia	0.212	0.041	0.171	0.302	0.130	0.373	0.616
Madrid	0.105	0.000	0.106	0.235	0.000	0.222	0.463
Murcia	0.265	0.050	0.183	0.316	0.141	0.387	0.634
Navarra	0.185	0.014	0.147	0.279	0.058	0.304	0.550
La.Rioja	0.124	0.000	0.113	0.244	0.000	0.236	0.480

Table: Previsión Ratio Incr. Fallecidos: Mod. lineal - Horizonte 1 y 2 días.

Tabla Ratio Incr. Fallecidos: Mod. No Paramétrico.

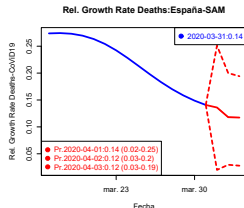
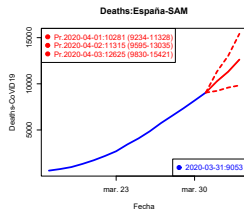
	Last	RI:H1-lw	RI:H1-fit	RI:H1-up	RI:H2-lw	RI:H2-fit	RI:H2-up
España	0.141	0.000	0.109	0.218	0.051	0.233	0.414
Andalucía	0.164	0.002	0.111	0.220	0.055	0.237	0.419
Aragón	0.219	0.033	0.142	0.251	0.125	0.307	0.489
Asturias	0.163	0.000	0.079	0.188	0.000	0.169	0.350
Baleares	0.175	0.032	0.140	0.249	0.120	0.302	0.483
Canarias	0.180	0.003	0.111	0.220	0.057	0.238	0.420
Cantabria	0.249	0.099	0.208	0.317	0.273	0.455	0.638
Cataluña	0.192	0.045	0.154	0.263	0.151	0.332	0.514
Castilla.La.Mancha	0.163	0.034	0.143	0.252	0.127	0.309	0.491
Castilla.y.León	0.187	0.051	0.160	0.269	0.163	0.345	0.527
C..Valenciana	0.154	0.017	0.126	0.235	0.089	0.271	0.453
Extremadura	0.193	0.027	0.136	0.245	0.109	0.291	0.473
Euskadi	0.125	0.000	0.107	0.216	0.047	0.229	0.411
Galicia	0.212	0.054	0.163	0.272	0.173	0.354	0.536
Madrid	0.105	0.000	0.068	0.177	0.000	0.146	0.327
Murcia	0.265	0.018	0.127	0.236	0.090	0.272	0.453
Navarra	0.185	0.000	0.094	0.203	0.019	0.201	0.382
La.Rioja	0.124	0.000	0.059	0.168	0.000	0.128	0.310

Table: Previsión Ratio Incr. Fallecidos: Mod. No Paramétrico - Horizonte 1 y 2 días.

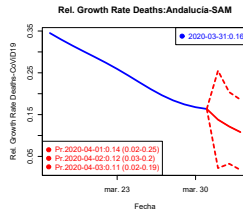
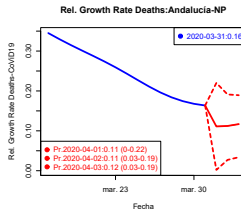
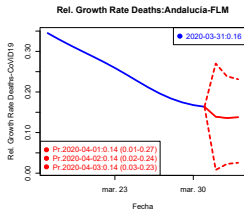
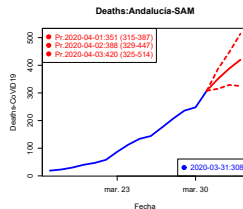
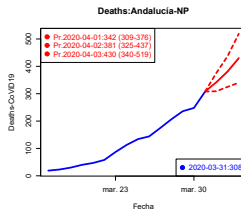
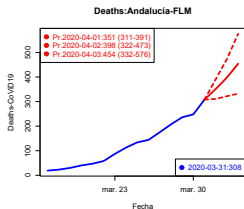
Tabla Ratio Incr. Fallecidos: Mod. Aditivo.

	Last	Rl:H1lw	Rl:H1fit	Rl:H1up	Rl:H2lw	Rl:H2fit	Rl:H2up
España	0.141	0.020	0.136	0.251	0.060	0.250	0.440
Andalucía	0.164	0.022	0.138	0.255	0.066	0.258	0.449
Aragón	0.219	0.062	0.177	0.292	0.193	0.383	0.572
Asturias	0.163	0.000	0.107	0.231	0.000	0.188	0.401
Baleares	0.175	0.050	0.168	0.285	0.146	0.340	0.535
Canarias	0.180	0.025	0.141	0.257	0.083	0.273	0.462
Cantabria	0.249	0.052	0.174	0.295	0.147	0.349	0.551
Cataluña	0.192	0.037	0.162	0.288	0.091	0.315	0.538
Castilla.La.Mancha	0.163	0.040	0.159	0.278	0.100	0.302	0.505
Castilla.y.León	0.187	0.058	0.177	0.295	0.155	0.351	0.548
C..Valenciana	0.154	0.028	0.145	0.263	0.085	0.279	0.474
Extremadura	0.193	0.056	0.173	0.290	0.146	0.338	0.531
Euskadi	0.125	0.015	0.130	0.245	0.069	0.257	0.445
Galicia	0.212	0.072	0.188	0.303	0.198	0.388	0.578
Madrid	0.105	0.000	0.099	0.215	0.000	0.163	0.354
Murcia	0.265	0.085	0.206	0.327	0.251	0.454	0.657
Navarra	0.185	0.008	0.127	0.245	0.034	0.233	0.431
La.Rioja	0.124	0.000	0.094	0.213	0.000	0.158	0.357

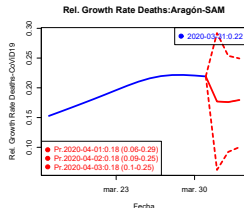
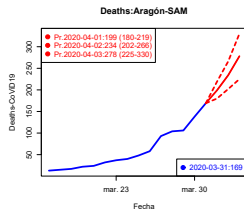
Table: Previsión Ratio Incr. Fallecidos: Mod. Aditivo - Horizonte 1 y 2 días.



◀ Confirmados ◀ Fallecidos

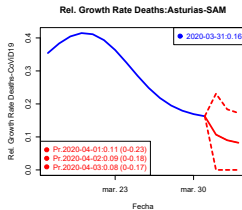
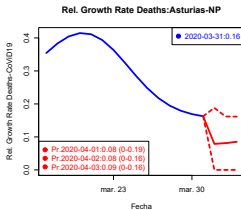
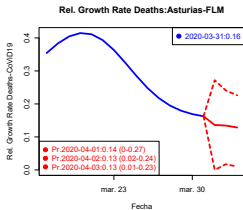
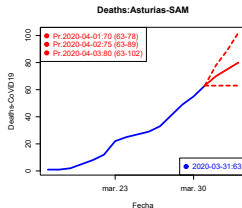
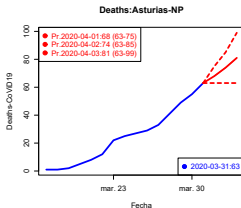
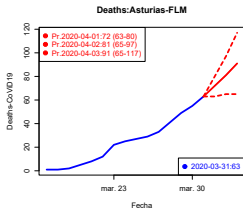


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.



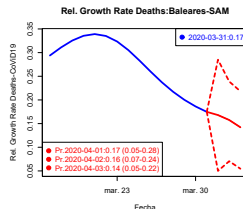
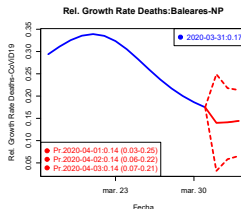
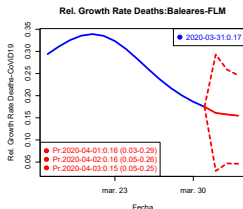
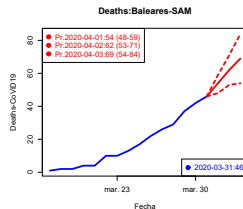
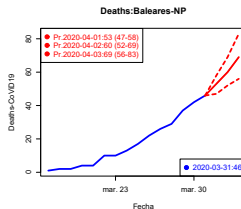
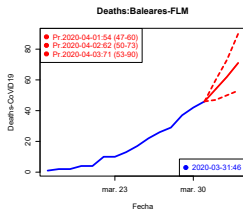
◀ Confirmados ◀ Fallecidos

Fallecidos: Asturias



Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

Fallecidos: Baleares

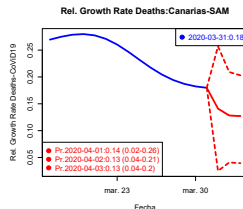
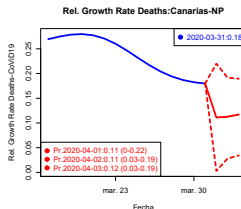
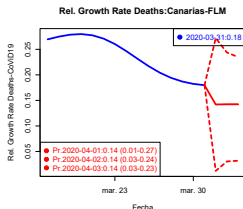
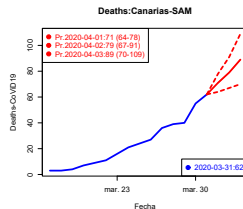
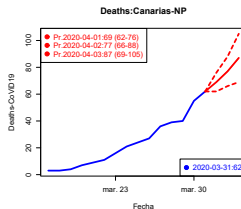
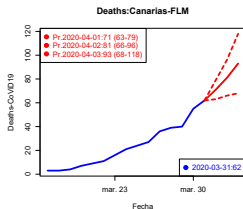


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Canarias

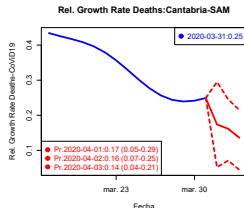
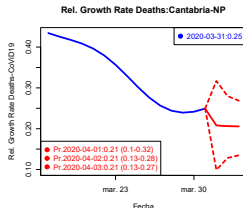
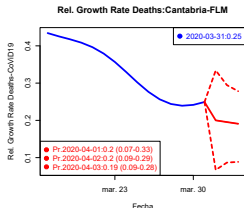
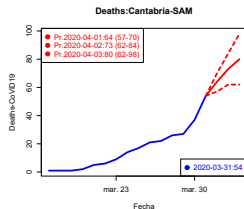
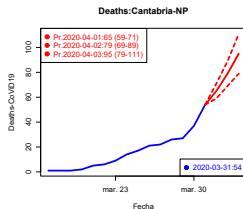
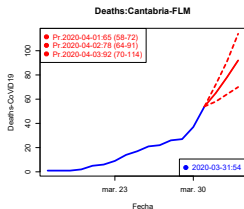


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Cantabria

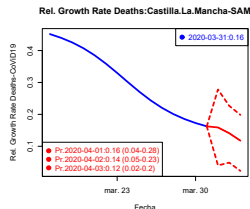
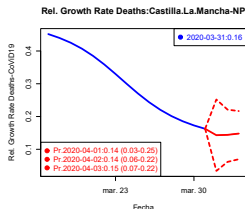
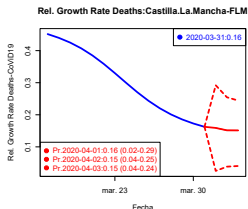
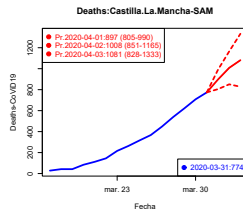
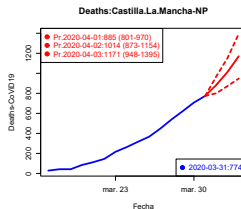
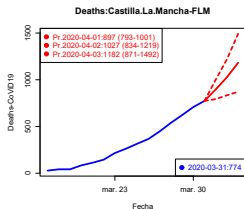


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

◀ Confirmados

◀ Fallecidos

Fallecidos: Castilla-La Mancha

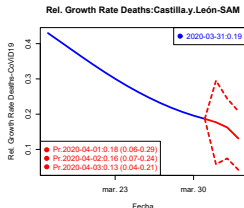
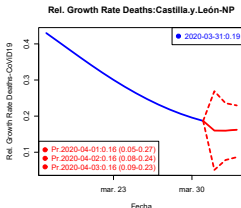
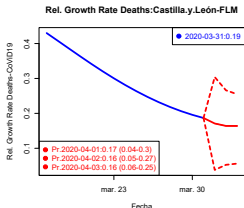
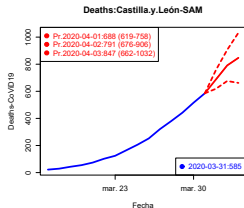
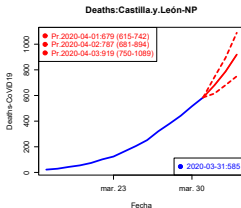
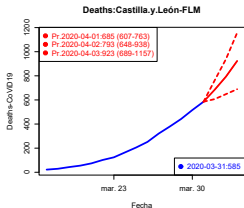


Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

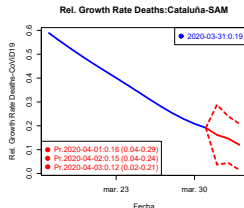
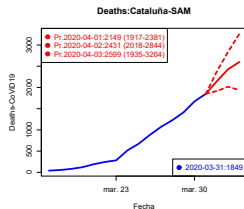
◀ Confirmados

◀ Fallecidos

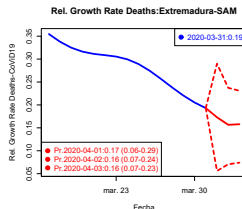
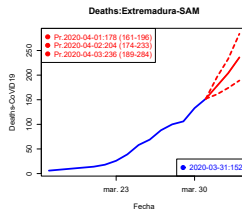
Fallecidos: Castilla y León



Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

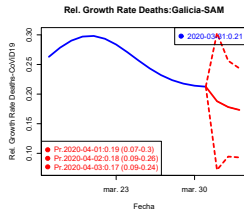
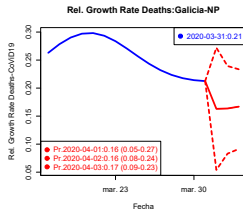
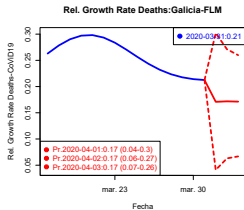
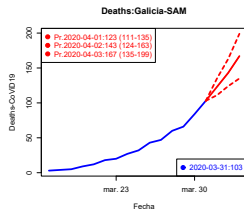
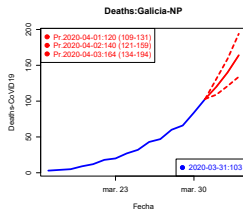
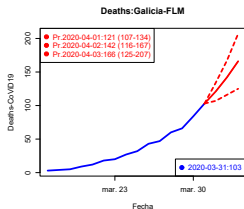


◀ Confirmados ◀ Fallecidos

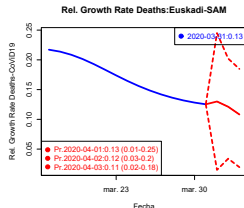
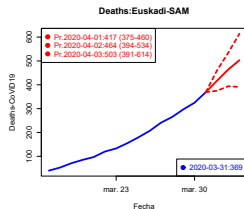


◀ Confirmados ◀ Fallecidos

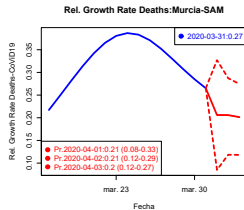
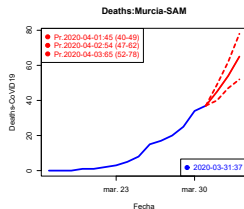
Fallecidos: Galicia



Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

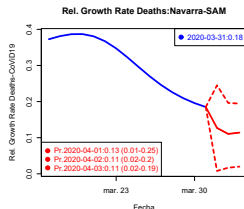
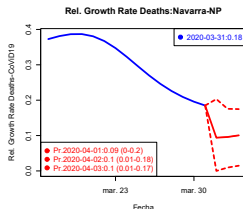
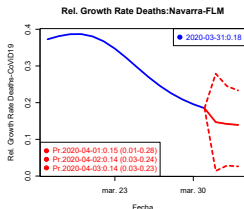
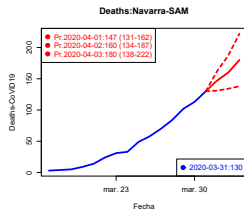
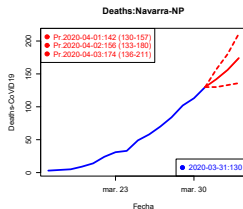
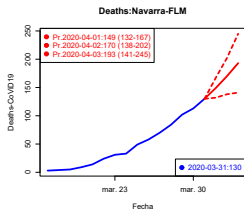


◀ Confirmados ◀ Fallecidos



◀ Confirmados ◀ Fallecidos

Fallecidos: Navarra



Los valores del Ratio de incremento a H2 y H3 están rescalados a H1 para su comparación gráfica.

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.