

17 April 2020

COVID-19 Projections

Didier Darcet

COVID-19 Cases' and Deaths' Projection Method

At the beginning, epidemic processes are exponential by nature, in other words, the number of cases of infection or death accelerates.

Making projections therefore requires to capture the derivative of the acceleration, named 'the jolt' by mathematicians. In the following projections, we fit the accelerating or fading nature of the jolt, and project its dynamics over the subsequent four weeks.

The jolt is fitted with an exponential function over, respectively, the previous 5, 6, 7, 8 and 9 days. Large numbers are truncated to facilitate the reading of the charts.

Fitting over various windows provides an information on the most recent dynamics of the COVID-19 diffusion. The thicker dotted red line is the shortest trend, i.e. calculated over the previous five days.

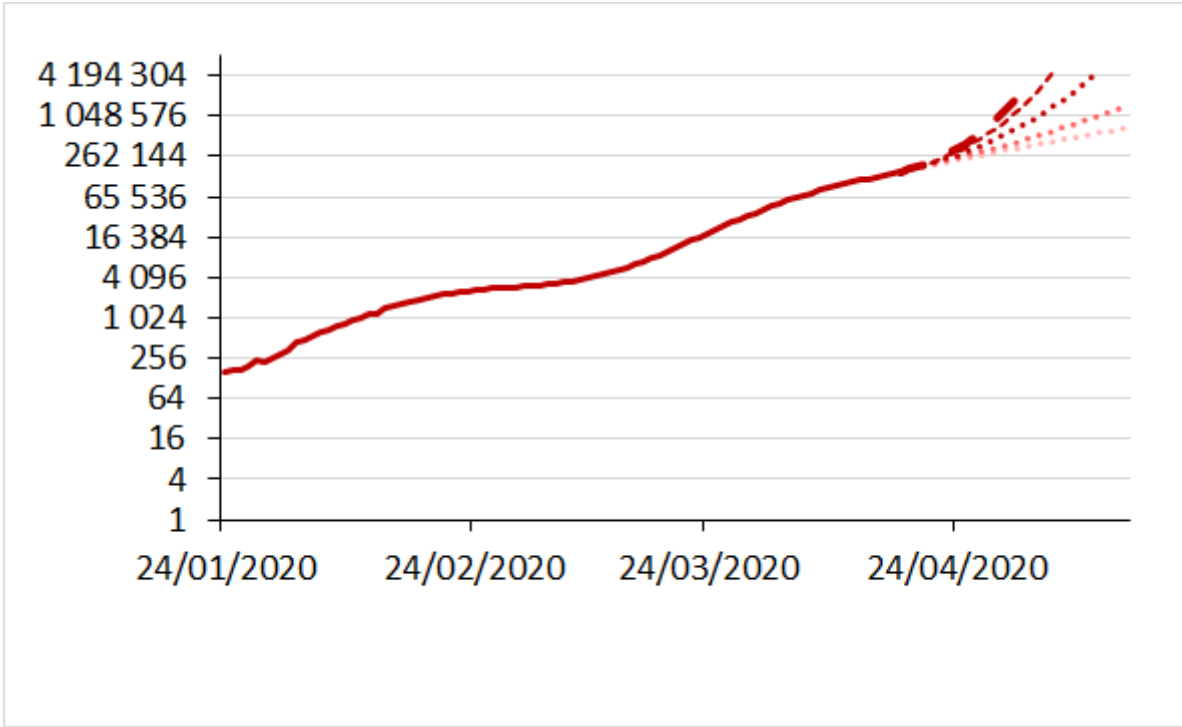
During the early days of an epidemic, projections can be extremely volatile, and it is therefore recommended not to draw black-and-white conclusions from a daily report, but to follow the evolution over many days.

DEATHS - PROJECTIONS

World

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

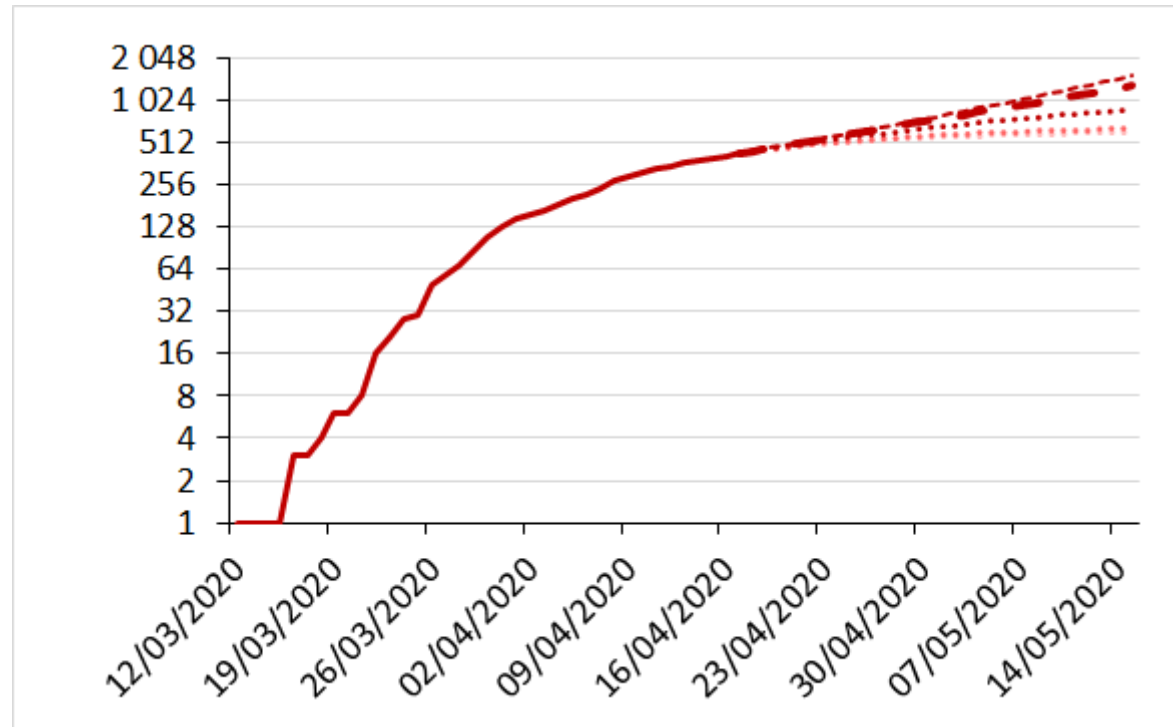


Data: The Johns Hopkins University, Politolog.com

Austria

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

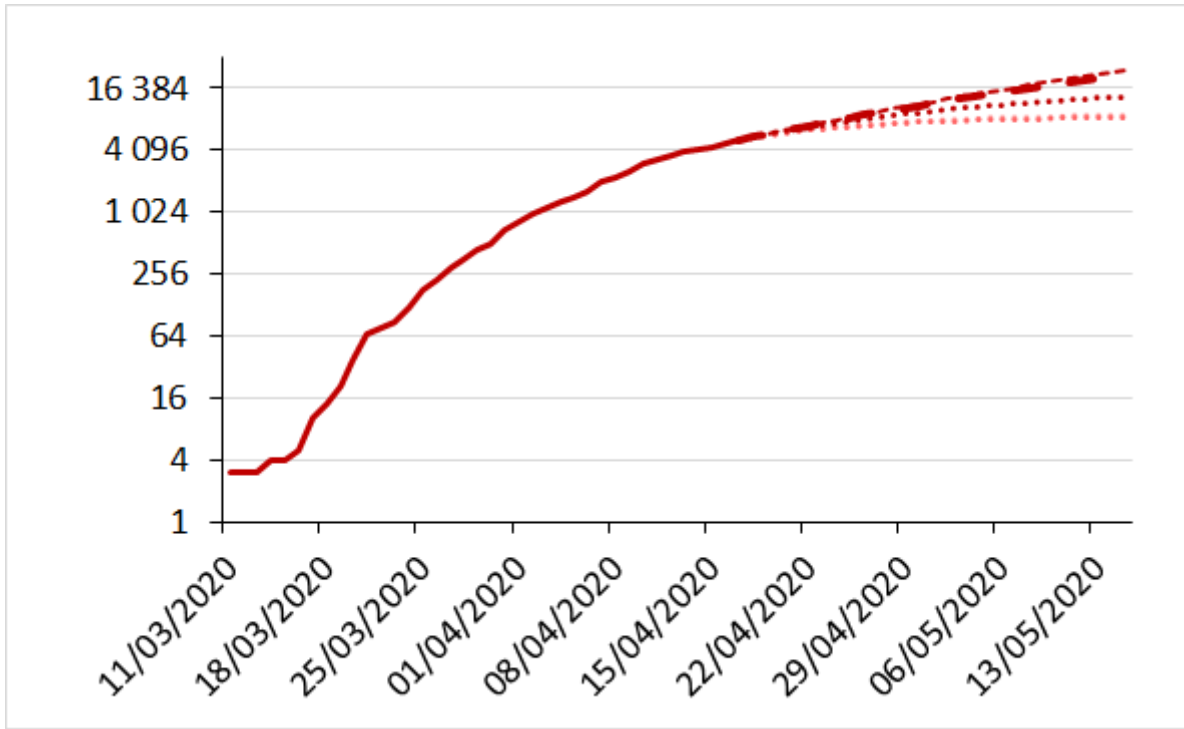


Data: The Johns Hopkins University, Politolog.com

Belgium

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

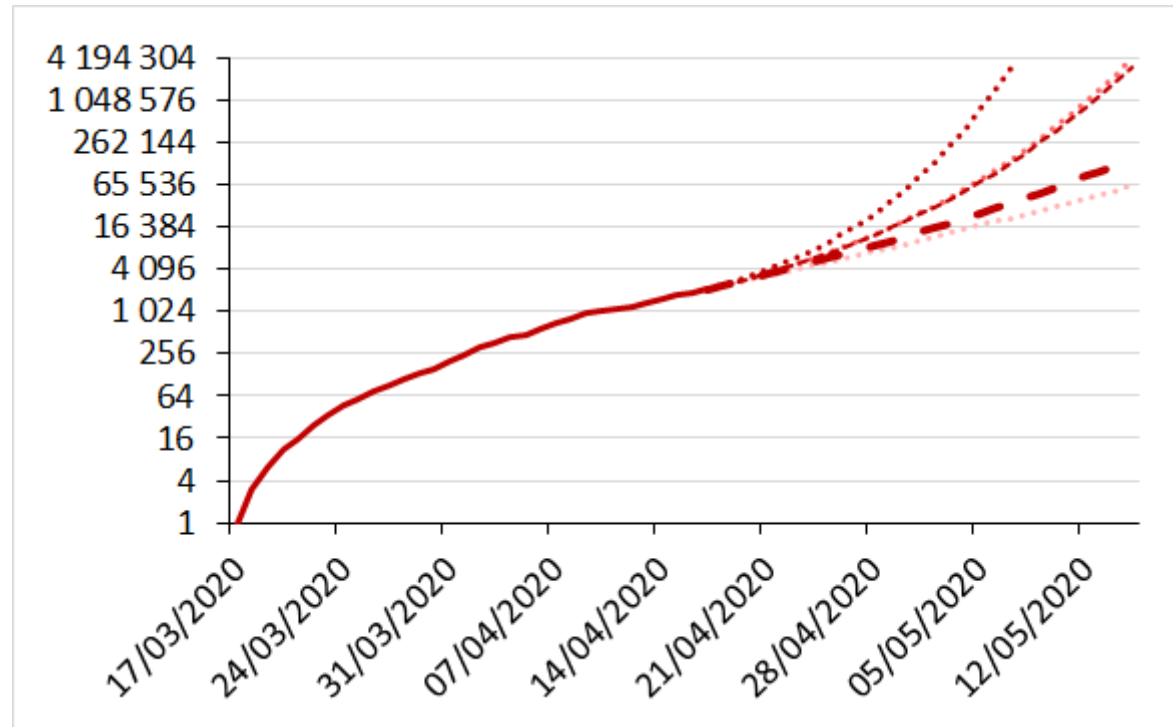


Data: The Johns Hopkins University, Politolog.com

Brazil

— CONFIRMED ····· 9 days'fit ····· 8 days'fit ····· 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

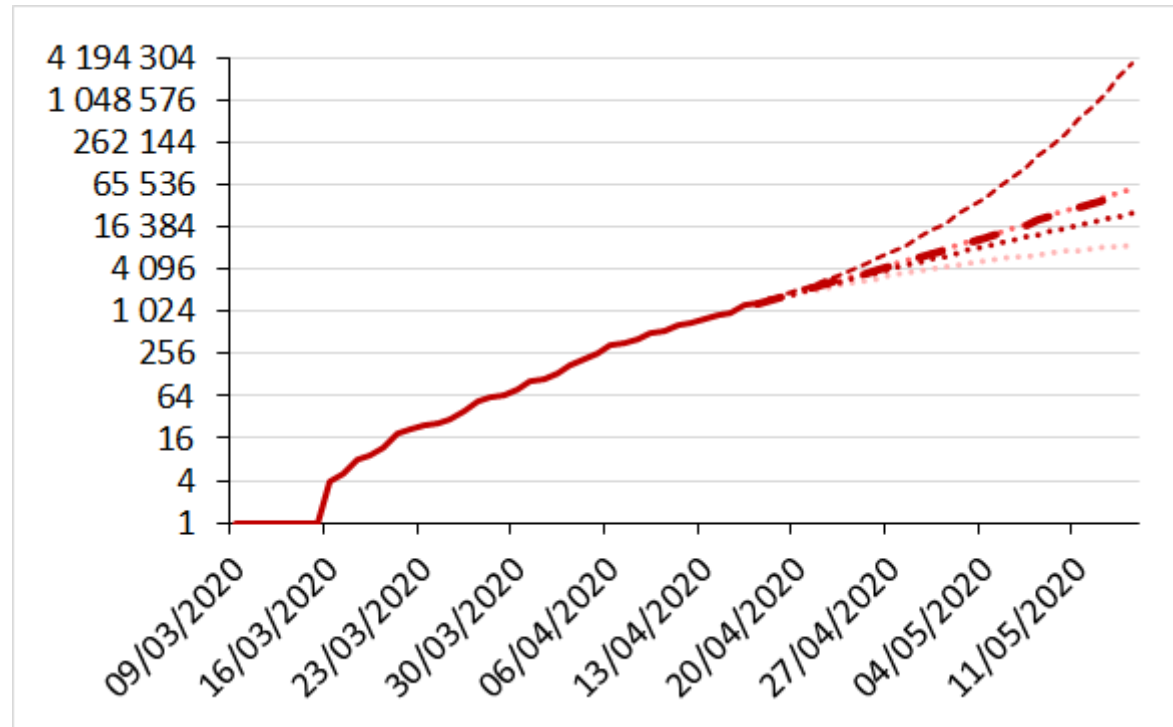


Data: The Johns Hopkins University, Politolog.com

Canada

— CONFIRMED 9 days' fit 8 days' fit 7 days' fit - - - 6 days' fit - - - 5 days' fit

Cumulated

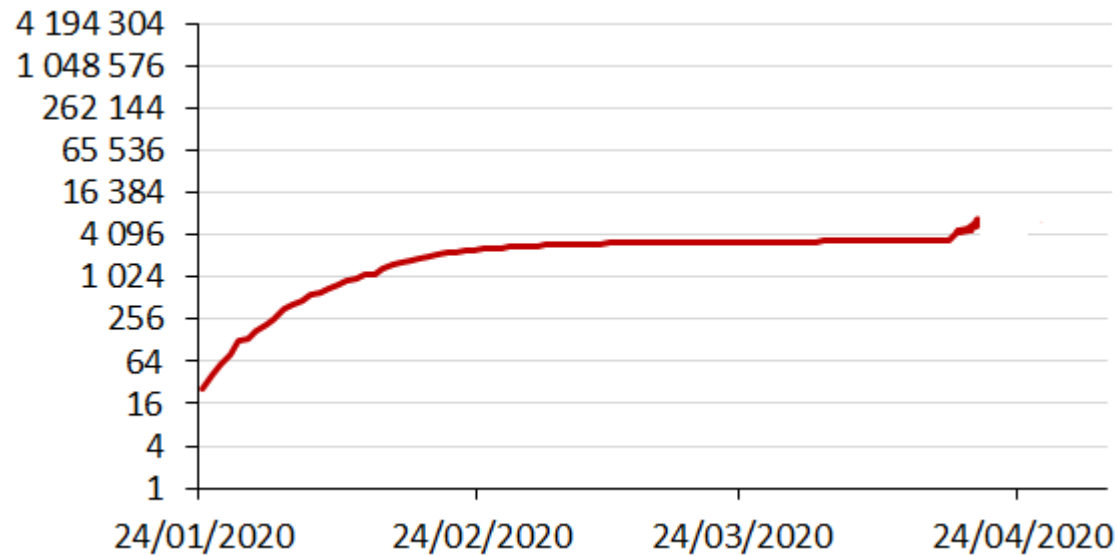


Data: The Johns Hopkins University, Politolog.com

China

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

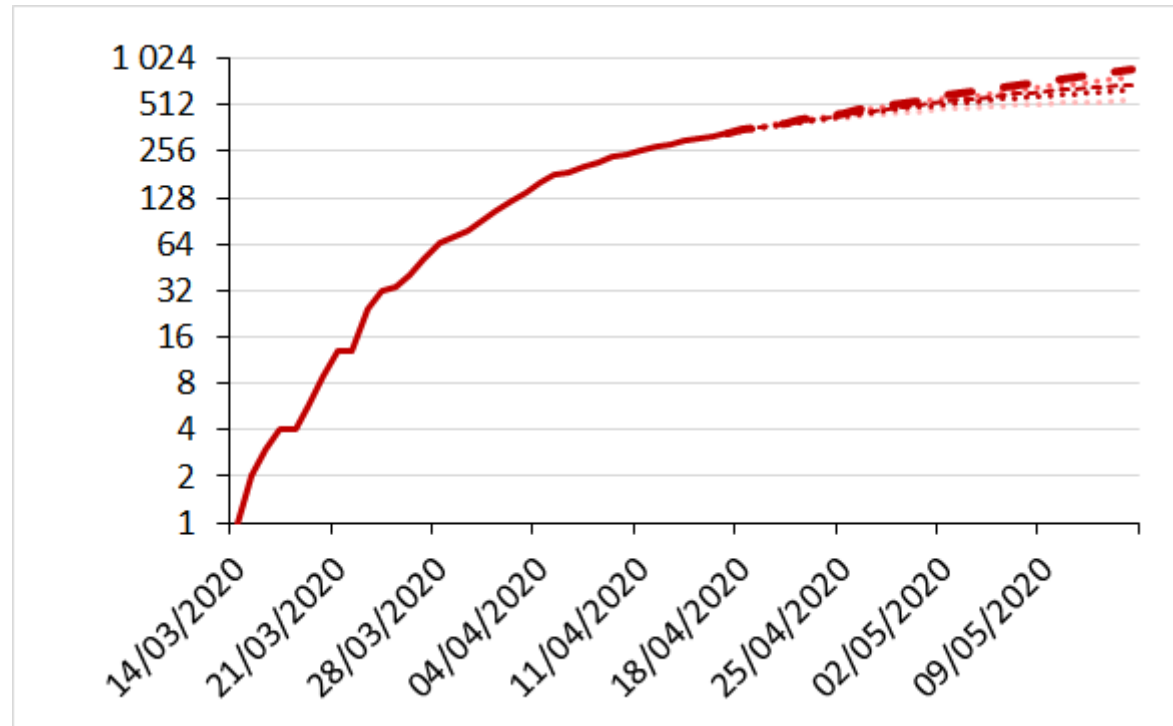


Data: The Johns Hopkins University, Politolog.com

Denmark

— CONFIRMED ····· 9 days' fit ····· 8 days' fit ····· 7 days' fit - - - - 6 days' fit - - - - 5 days' fit

Cumulated

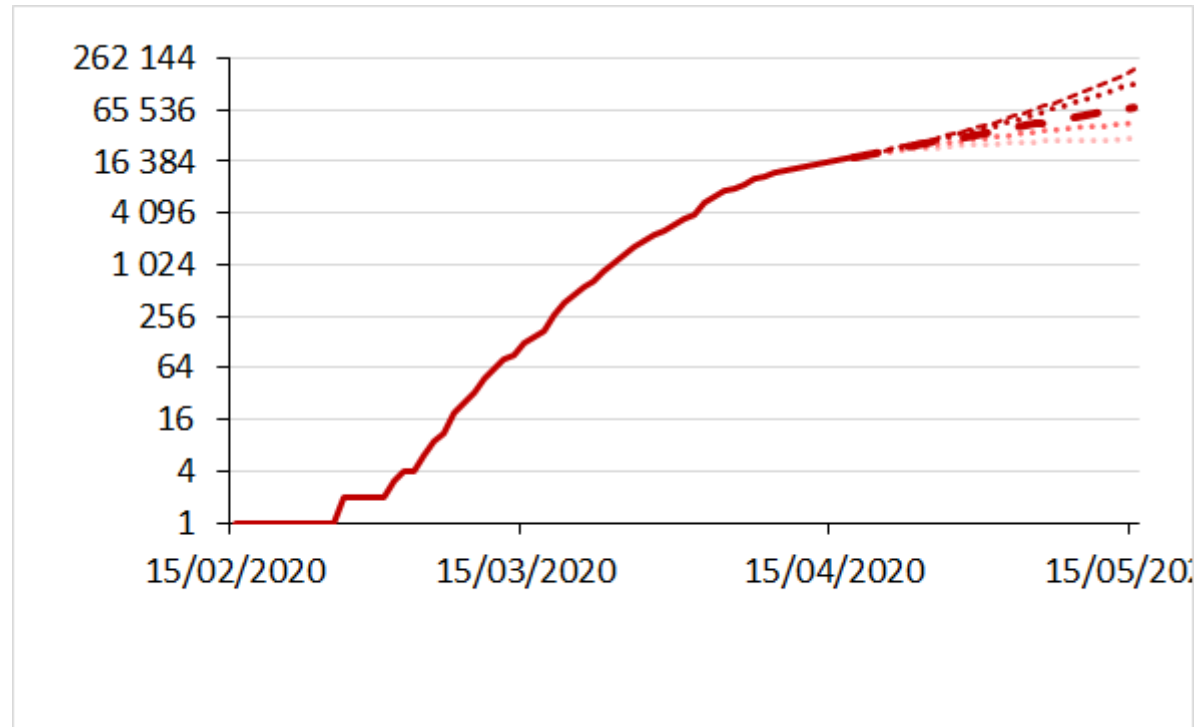


Data: The Johns Hopkins University, Politolog.com

France

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

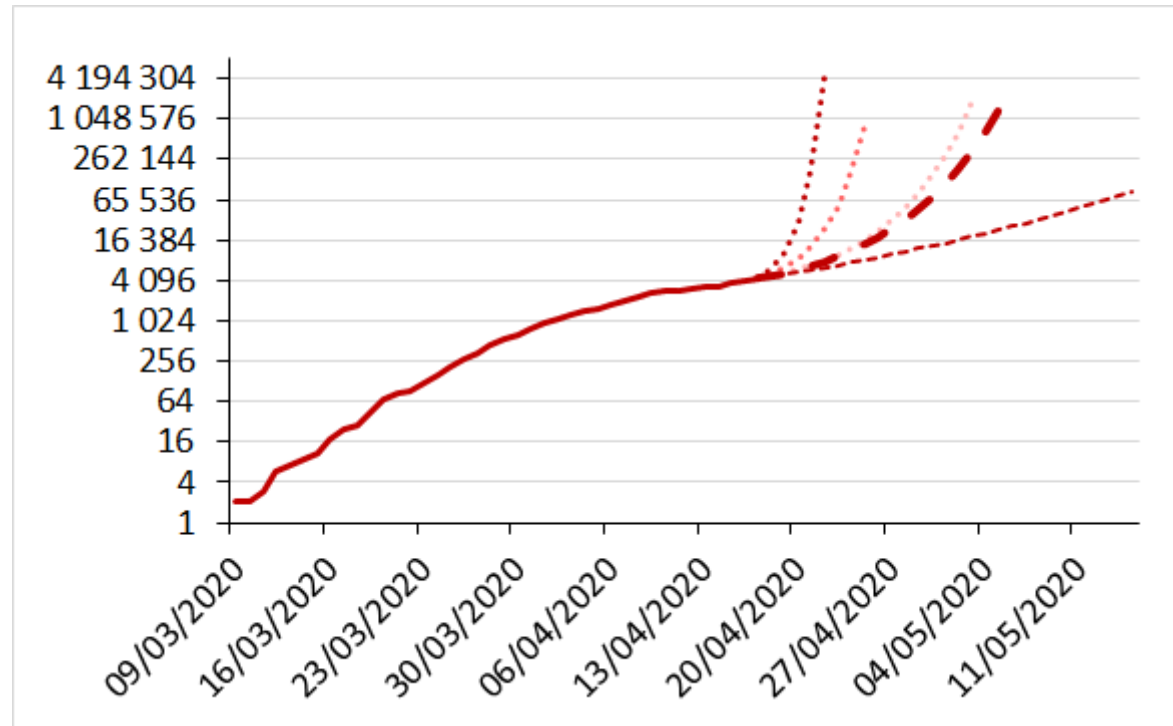


Data: The Johns Hopkins University, Politolog.com

Germany

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

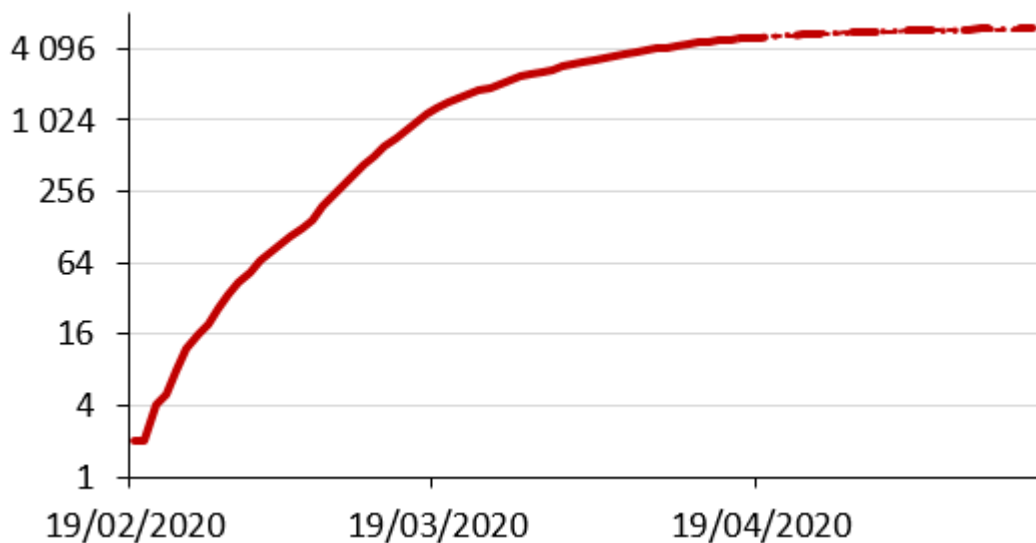


Data: The Johns Hopkins University, Politolog.com

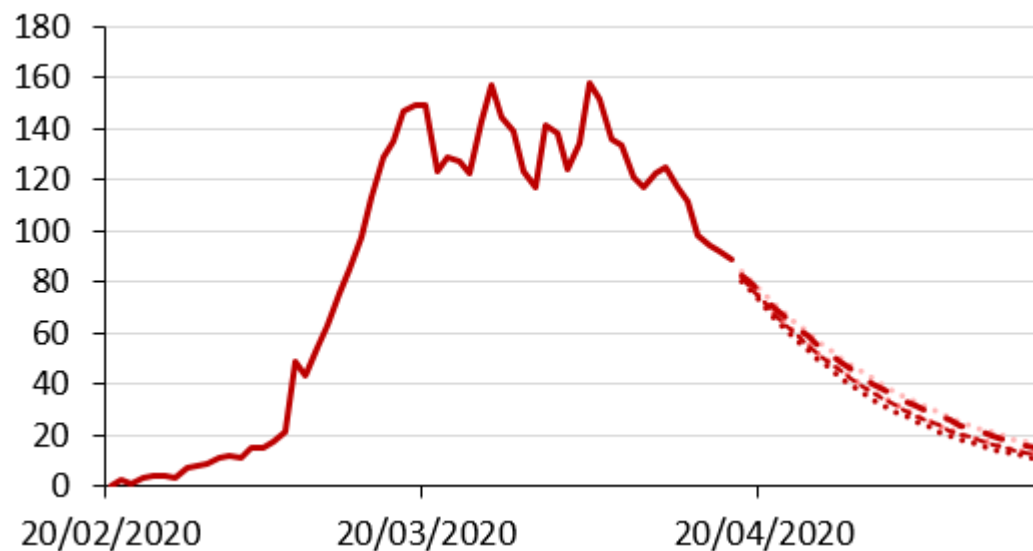
Iran

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

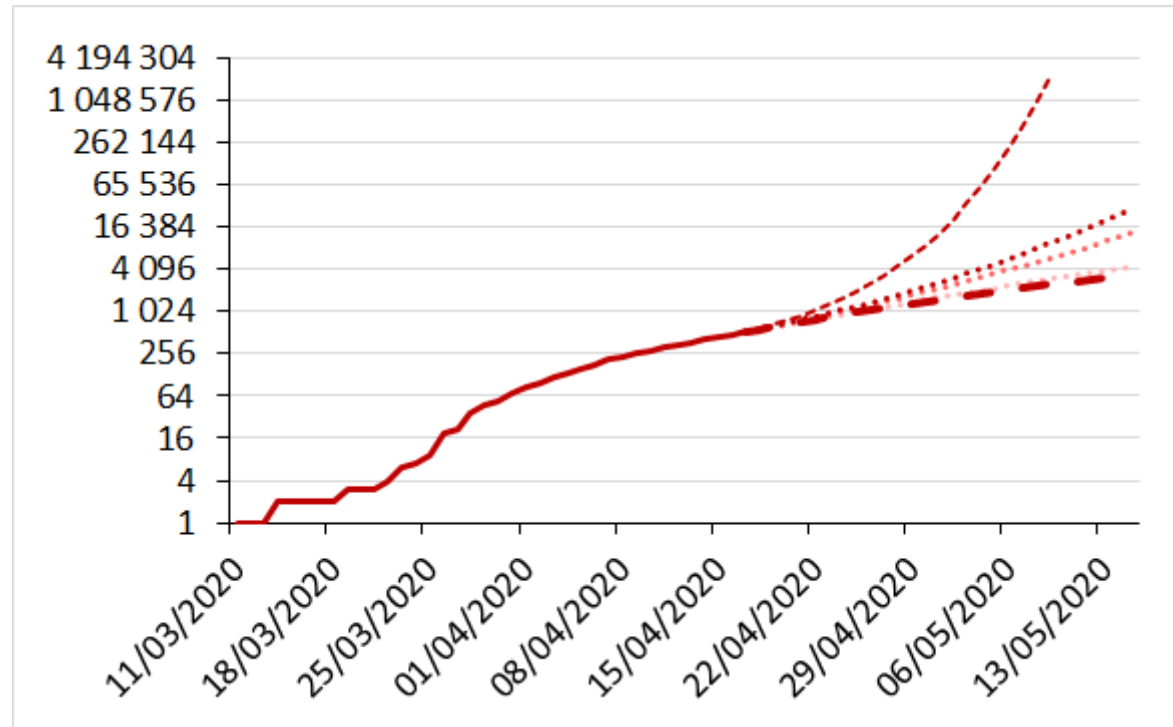


Data: The Johns Hopkins University, Politolog.com

Ireland

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

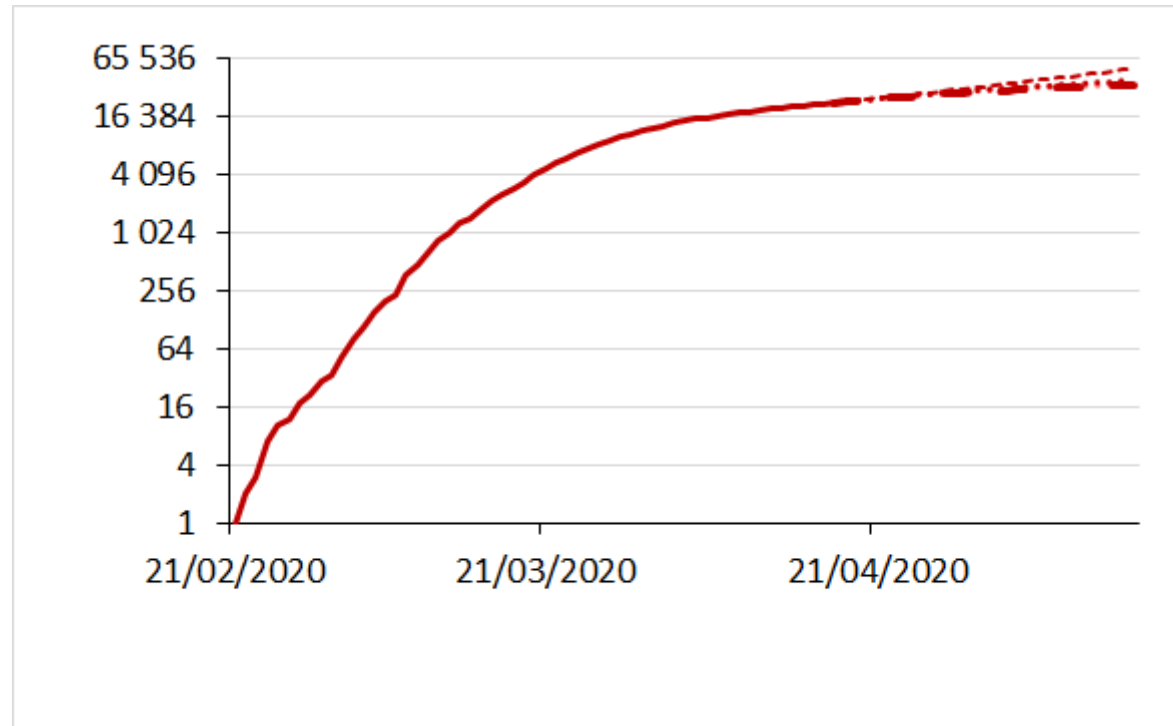


Data: The Johns Hopkins University, Politolog.com

Italy

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

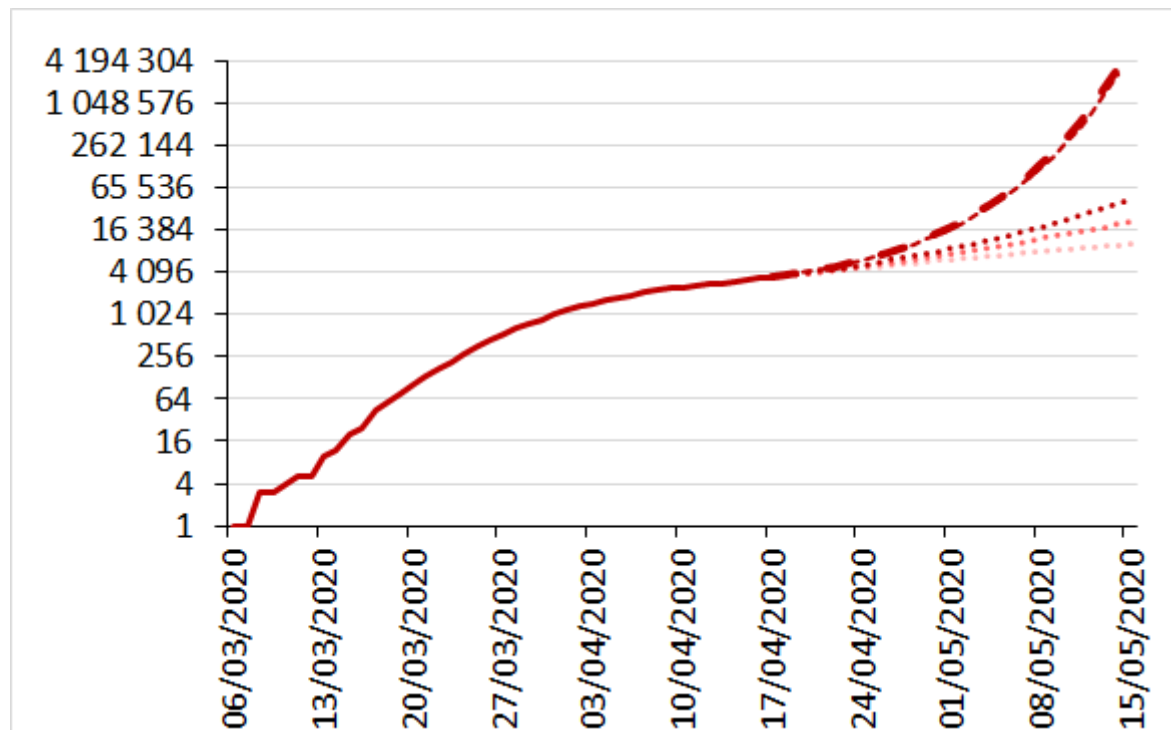


Data: The Johns Hopkins University, Politolog.com

Netherlands

— CONFIRMED ····· 9 days' fit ····· 8 days' fit ····· 7 days' fit - - - 6 days' fit - - - 5 days' fit

Cumulated

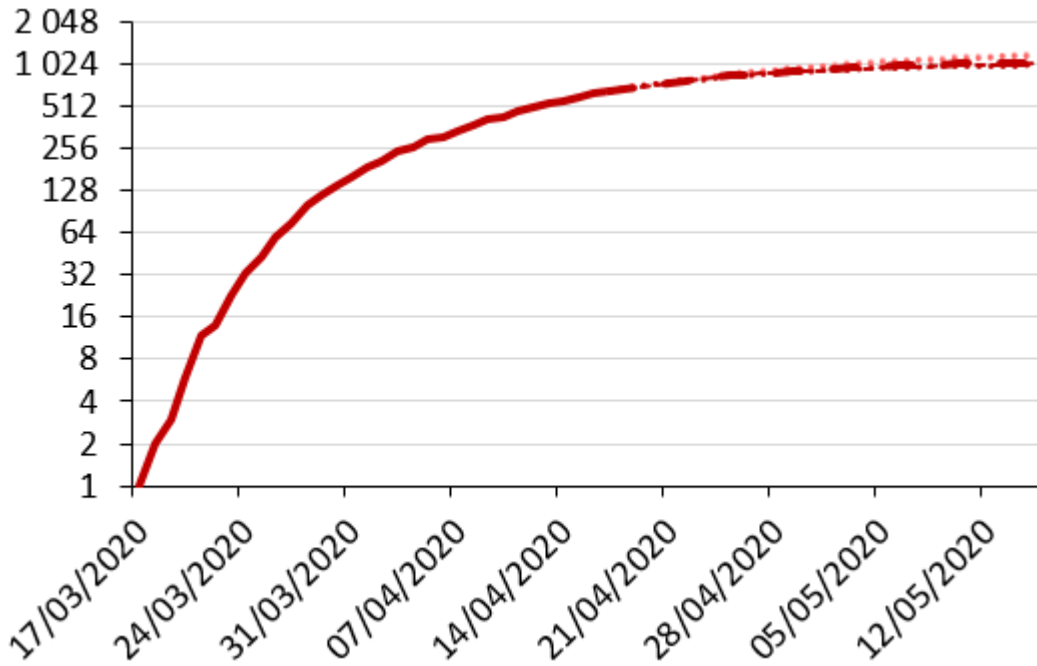


Data: The Johns Hopkins University, Politolog.com

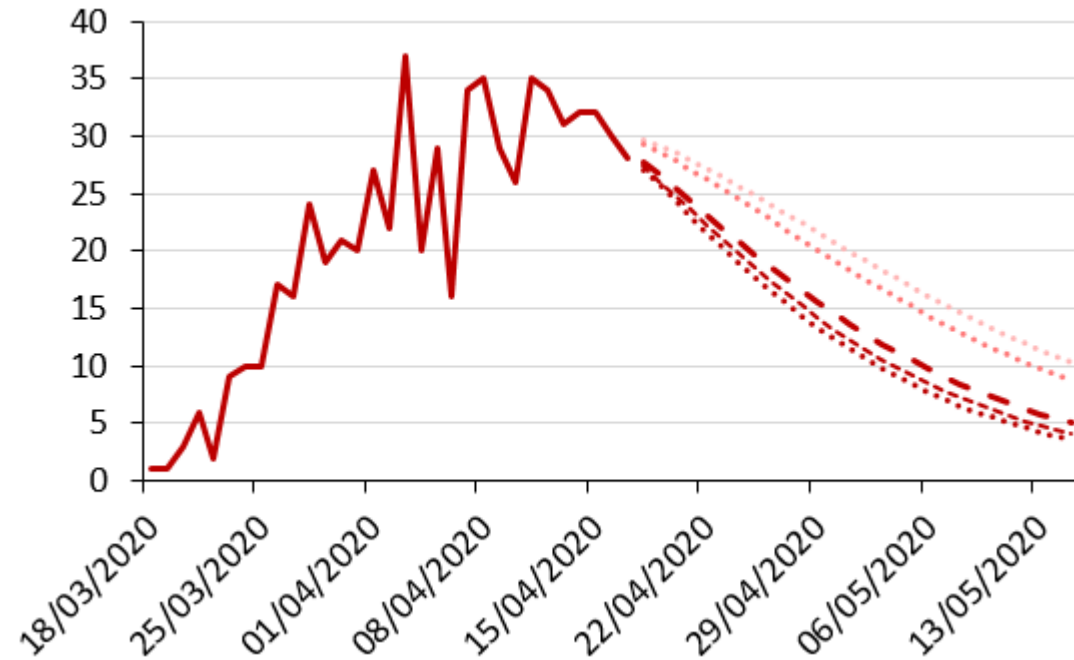
Portugal

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

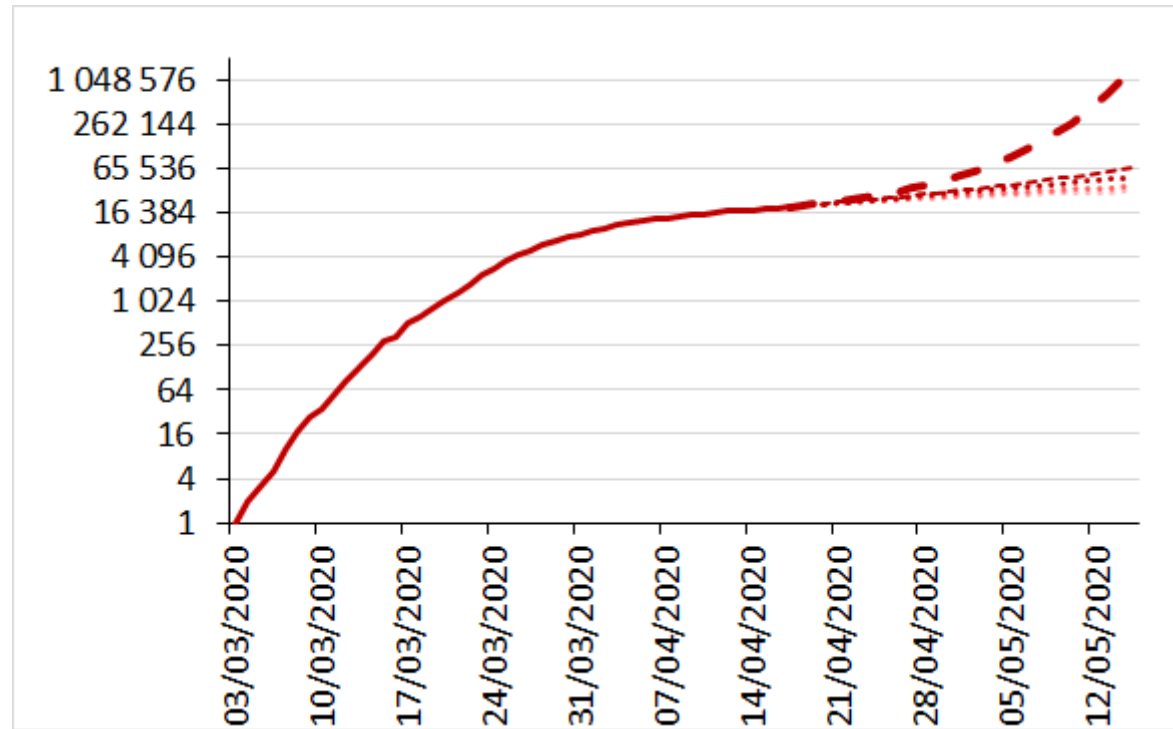


Data: The Johns Hopkins University, Politolog.com

Spain

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

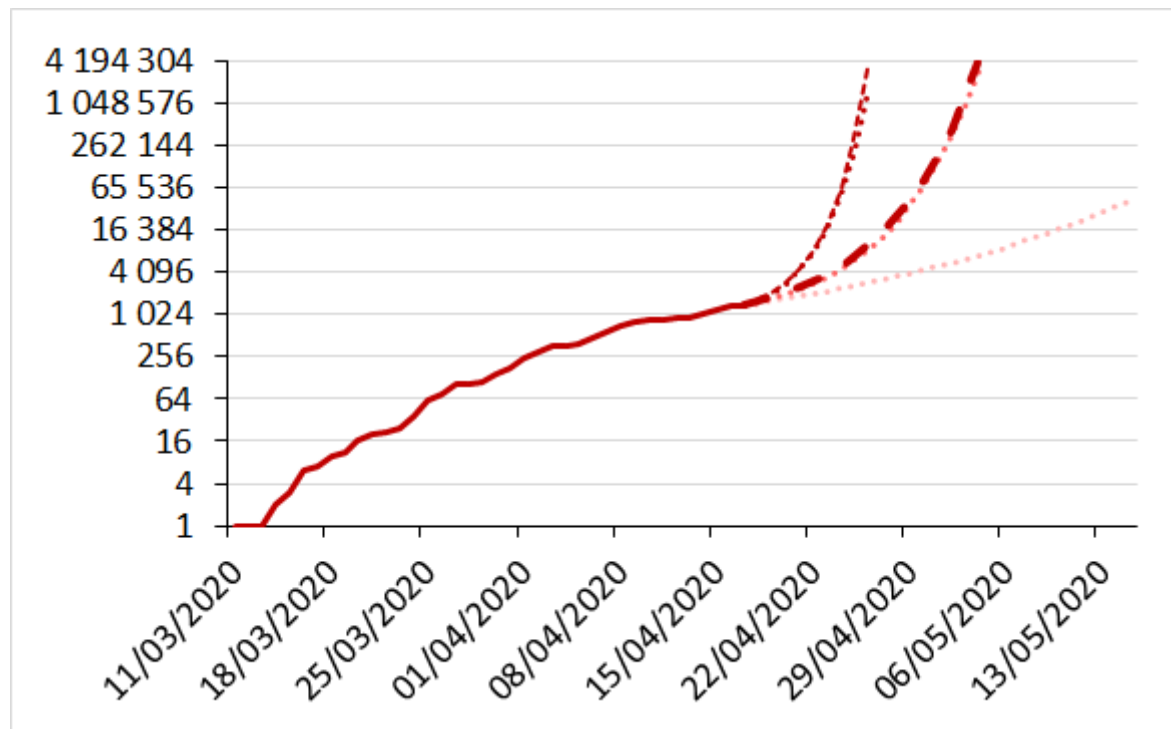


Data: The Johns Hopkins University, Politolog.com

Sweden

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

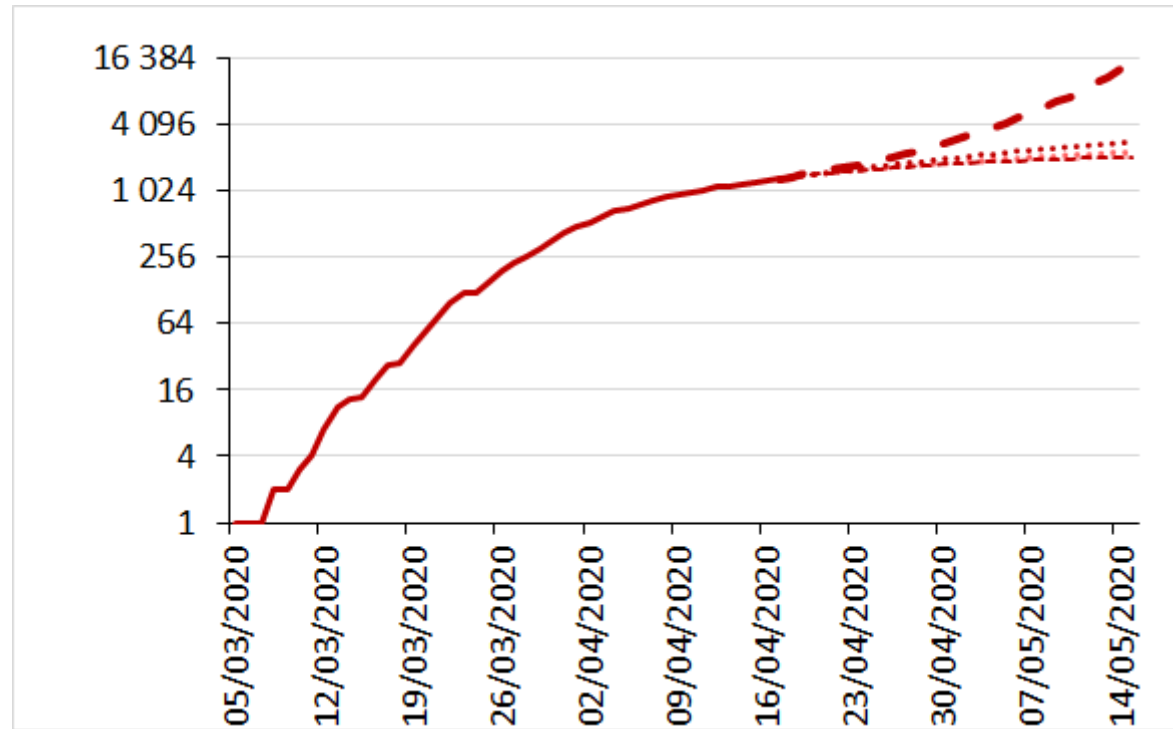


Data: The Johns Hopkins University, Politolog.com

Switzerland

— CONFIRMED 9 days' fit 8 days' fit 7 days' fit - - - 6 days' fit - - - 5 days' fit

Cumulated

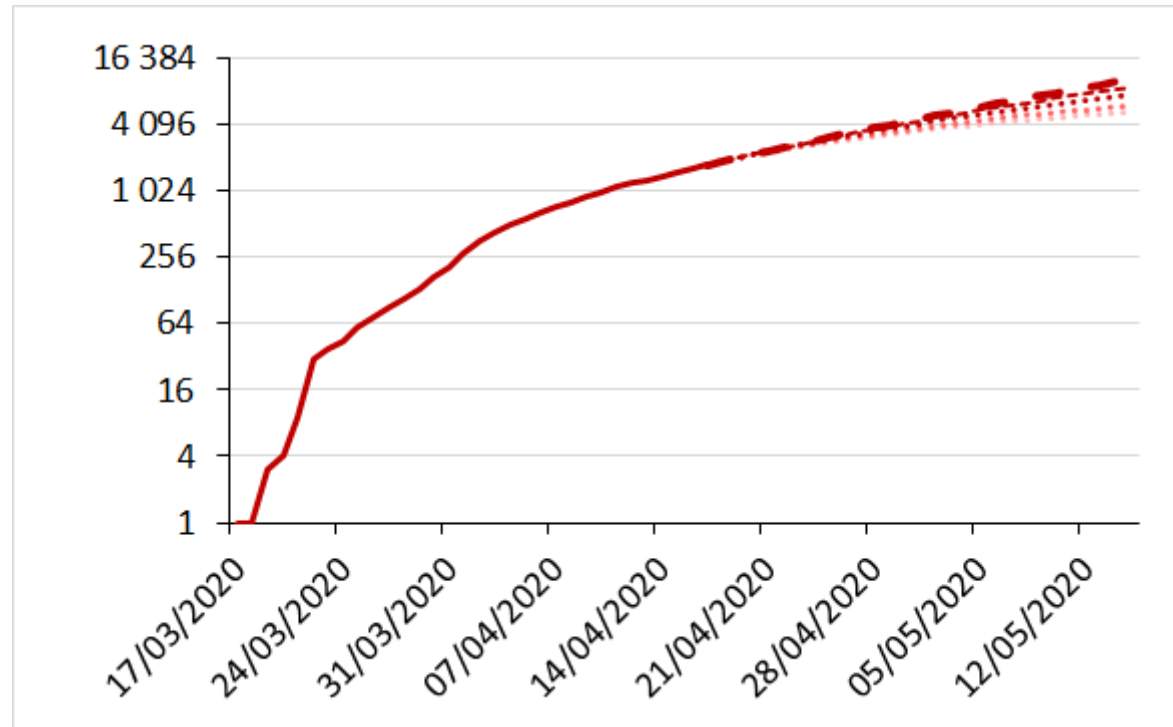


Data: The Johns Hopkins University, Politolog.com

Turkey

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

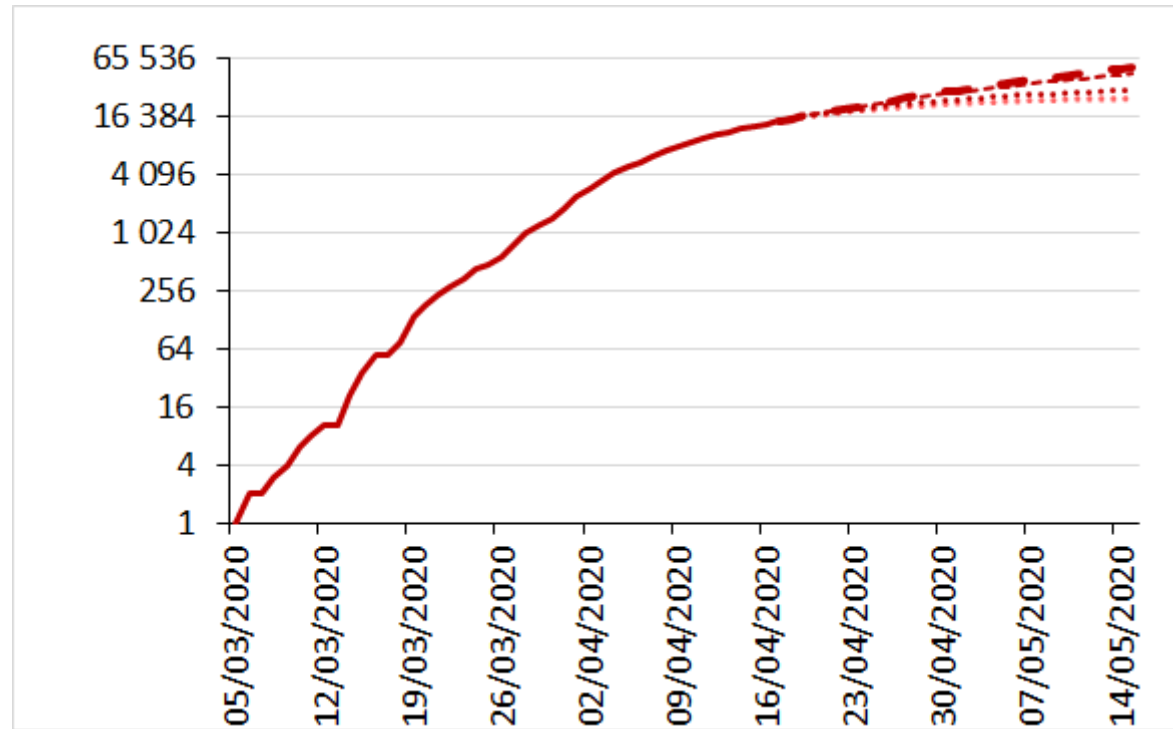


Data: The Johns Hopkins University, Politolog.com

United Kingdom

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

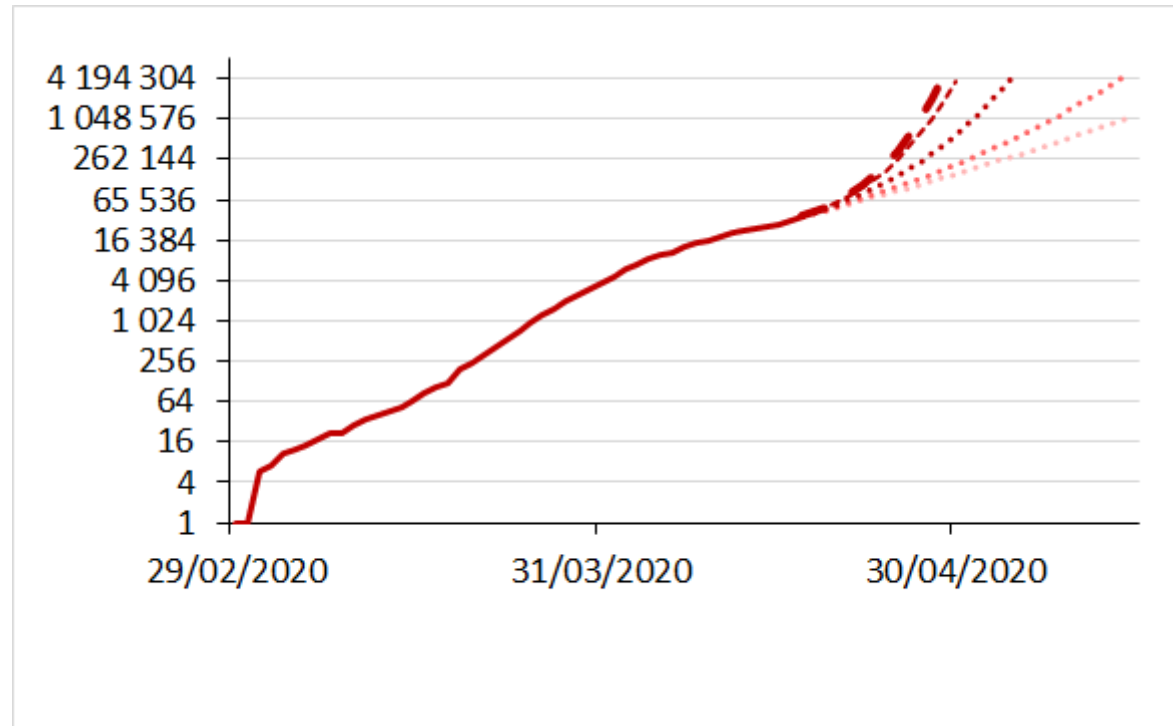


Data: The Johns Hopkins University, Politolog.com

USA

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



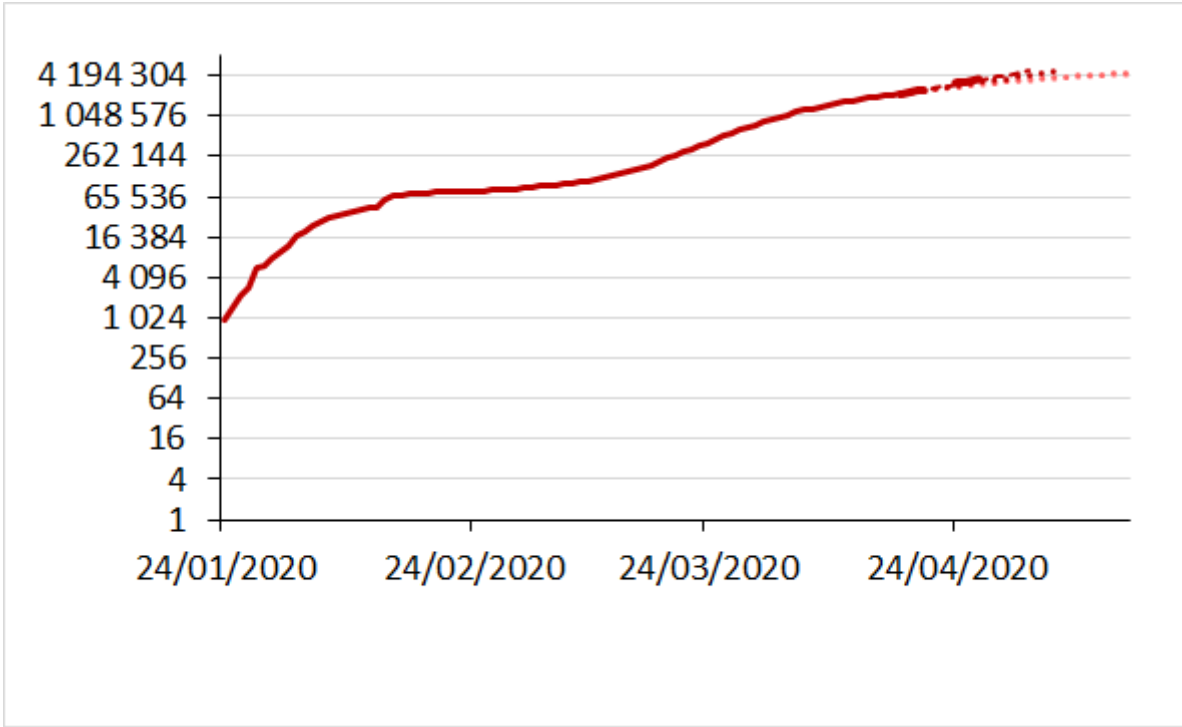
Data: The Johns Hopkins University, Politolog.com

CUMULATED CASES - PROJECTIONS

World

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

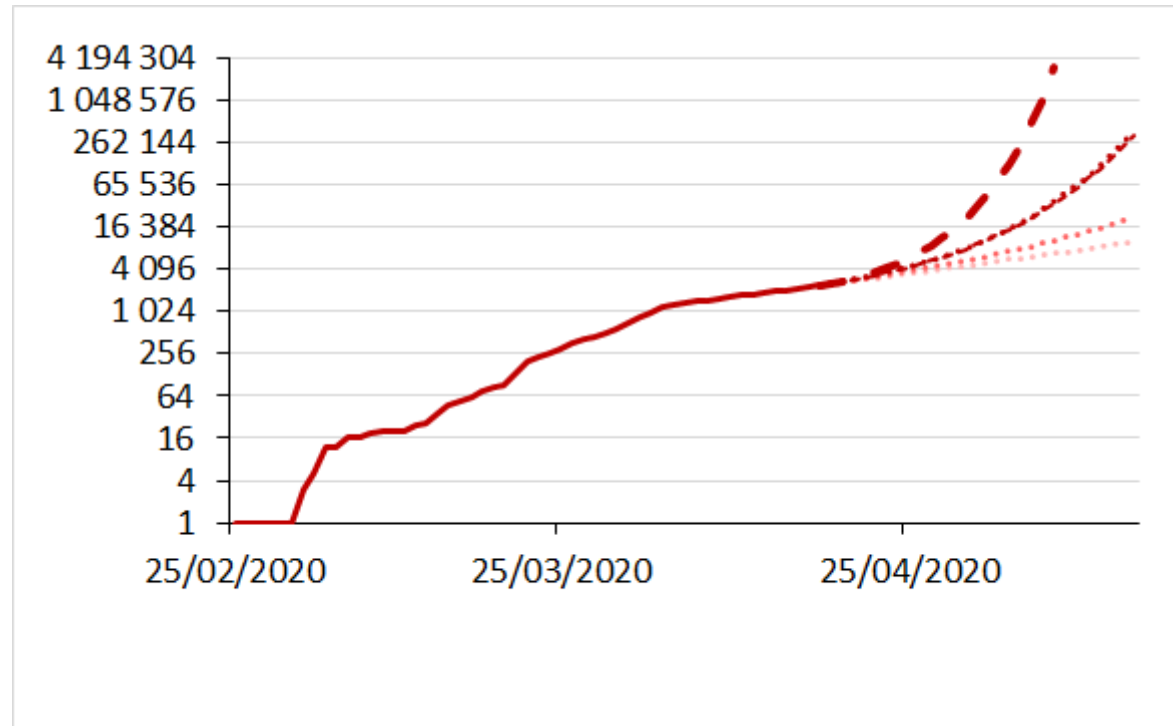


Data: The Johns Hopkins University, Politolog.com

Algeria

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

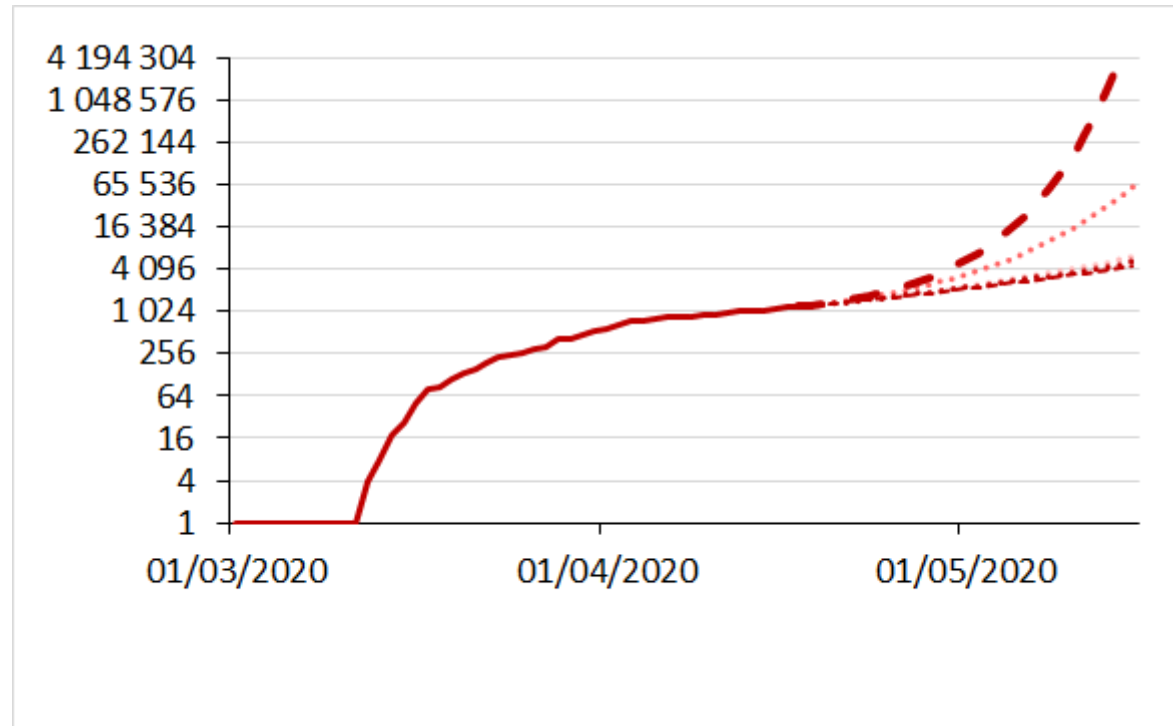


Data: The Johns Hopkins University, Politolog.com

Armenia

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

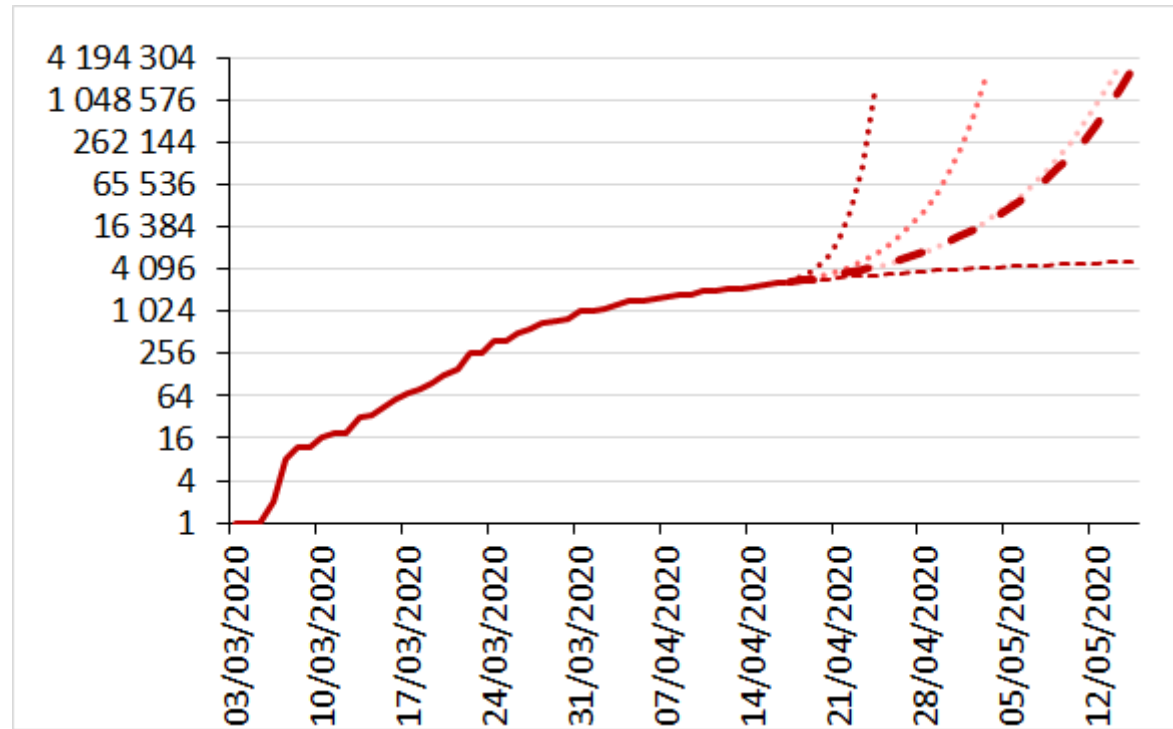


Data: The Johns Hopkins University, Politolog.com

Argentina

— CONFIRMED ····· 9 days'fit ····· 8 days'fit ····· 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

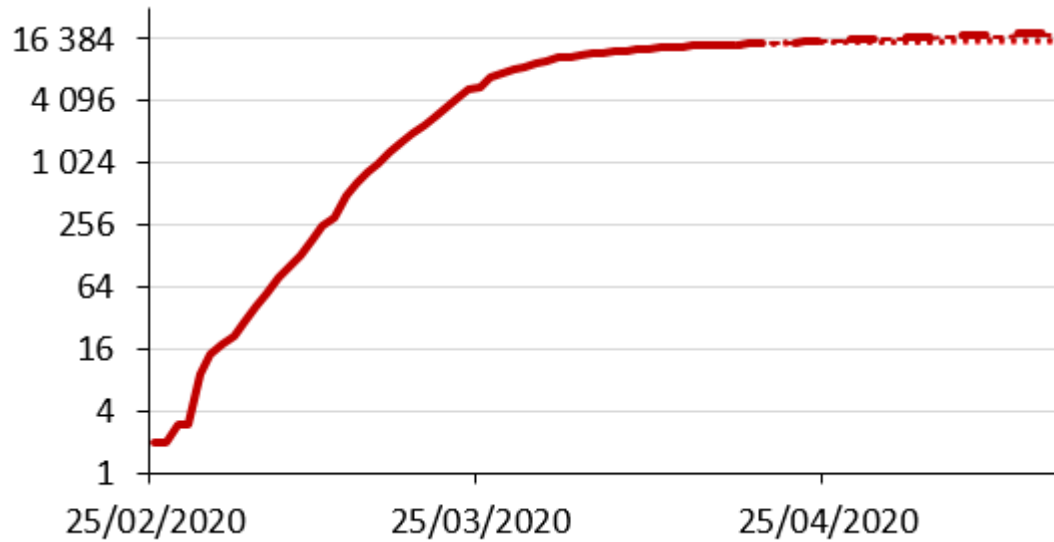


Data: The Johns Hopkins University, Politolog.com

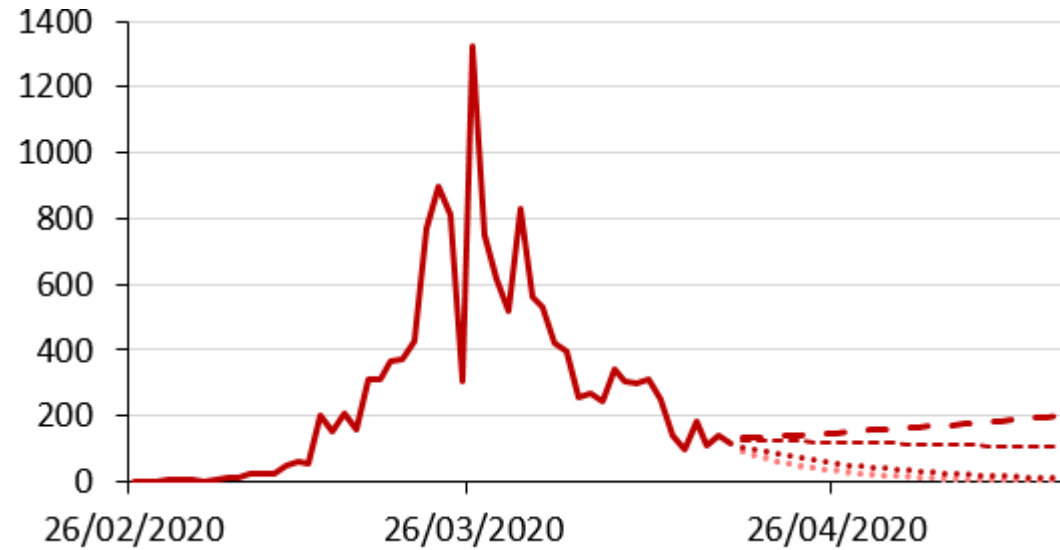
Austria

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated



Daily

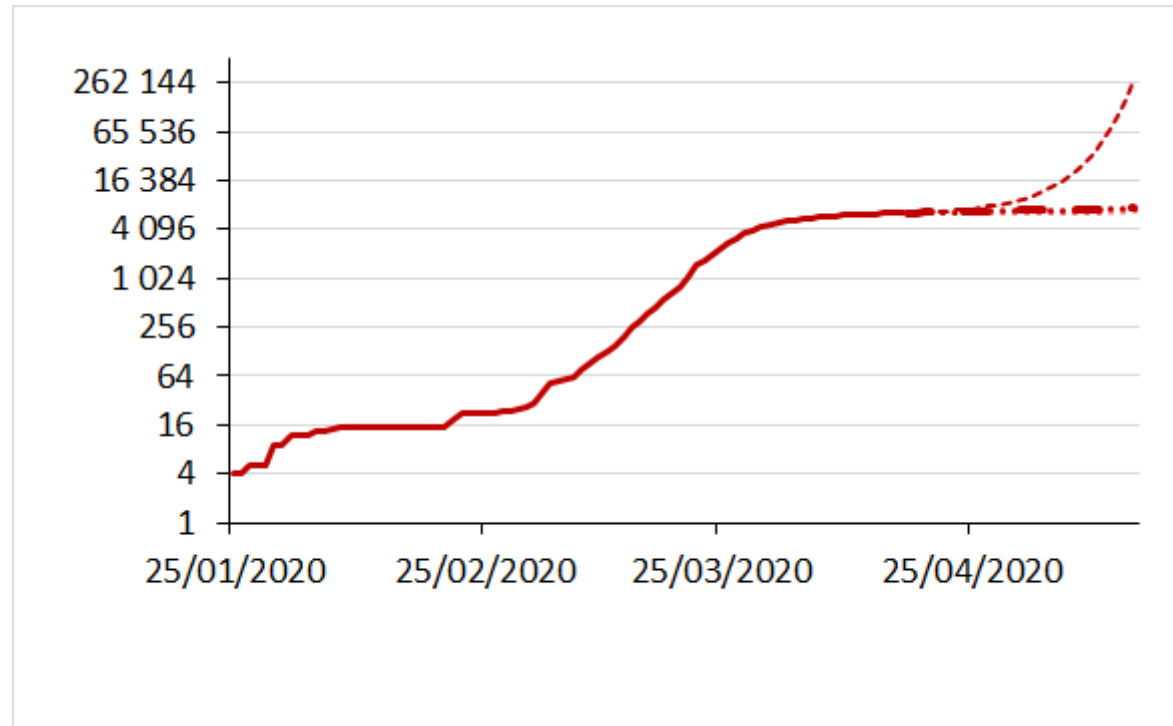


Data: The Johns Hopkins University, Politolog.com

Australia

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

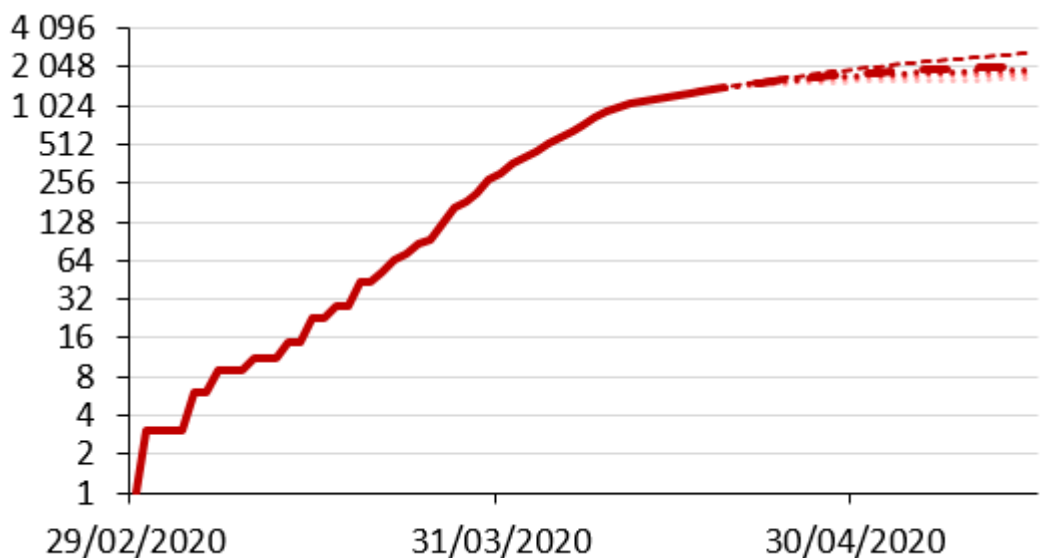


Data: The Johns Hopkins University, Politolog.com

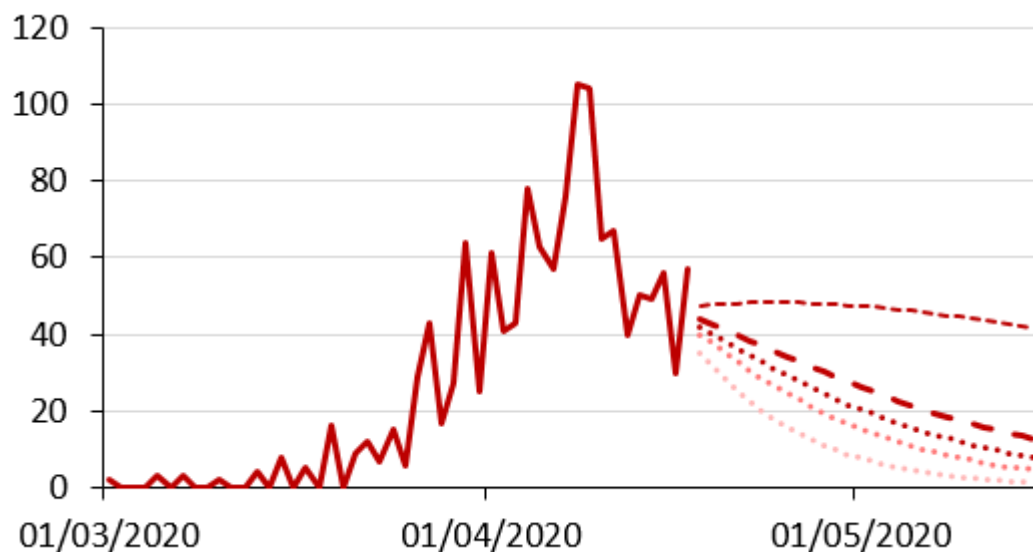
Azerbaijan

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

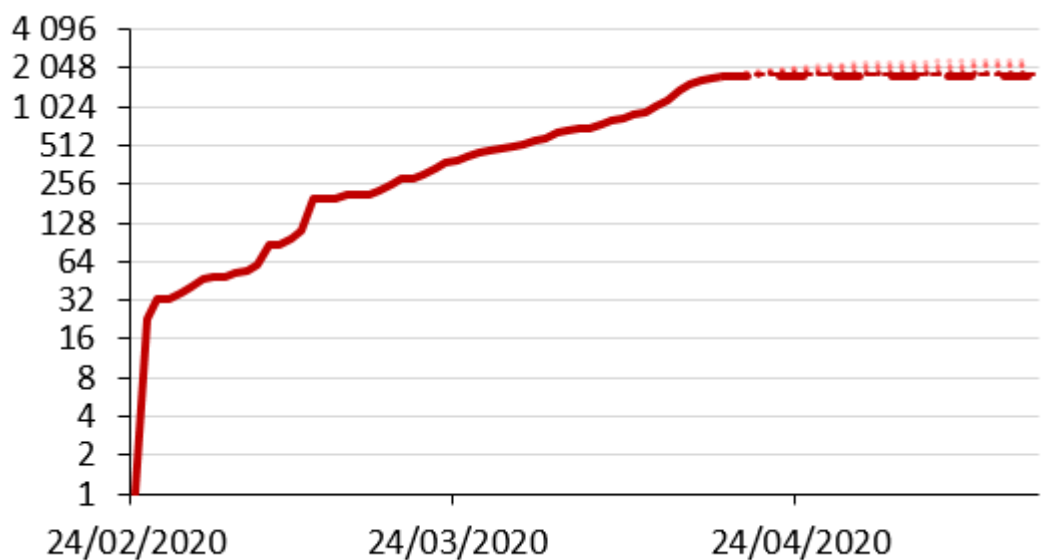


Data: The Johns Hopkins University, Politolog.com

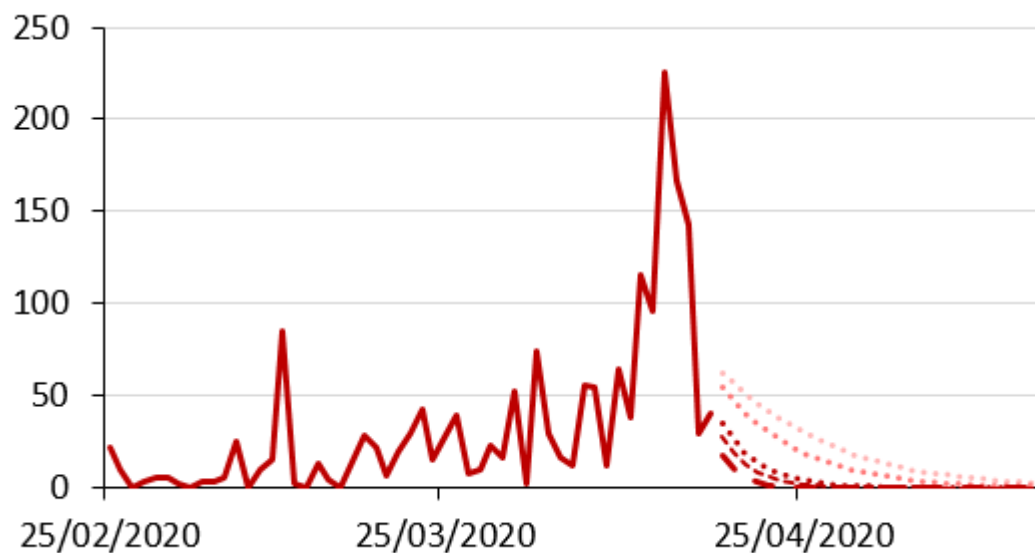
Bahrain

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

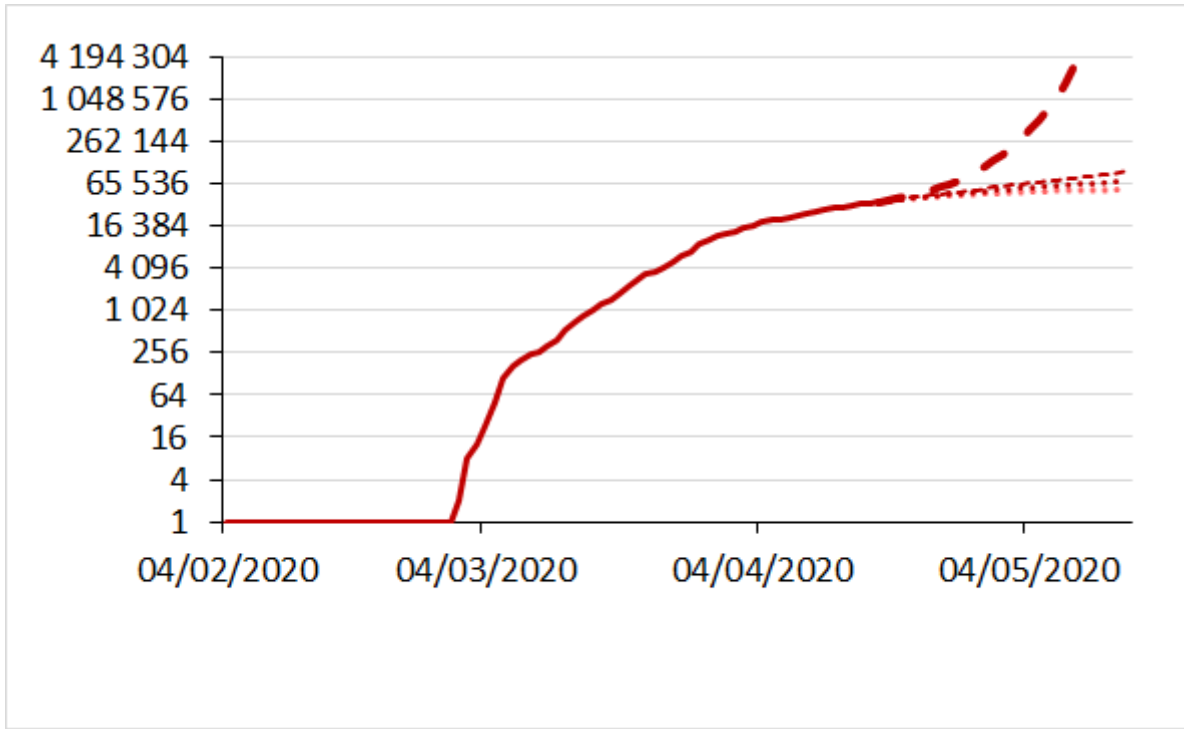


Data: The Johns Hopkins University, Politolog.com

Belgium

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

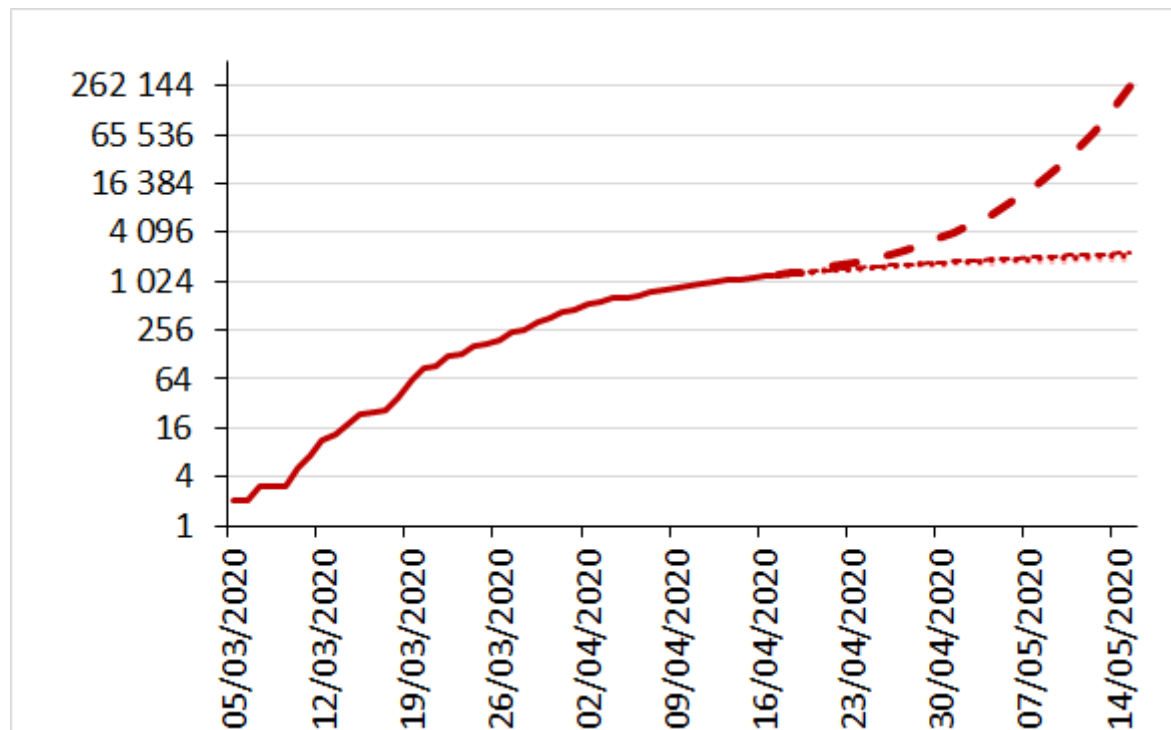


Data: The Johns Hopkins University, Politolog.com

Bosnia and Herzegovina

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

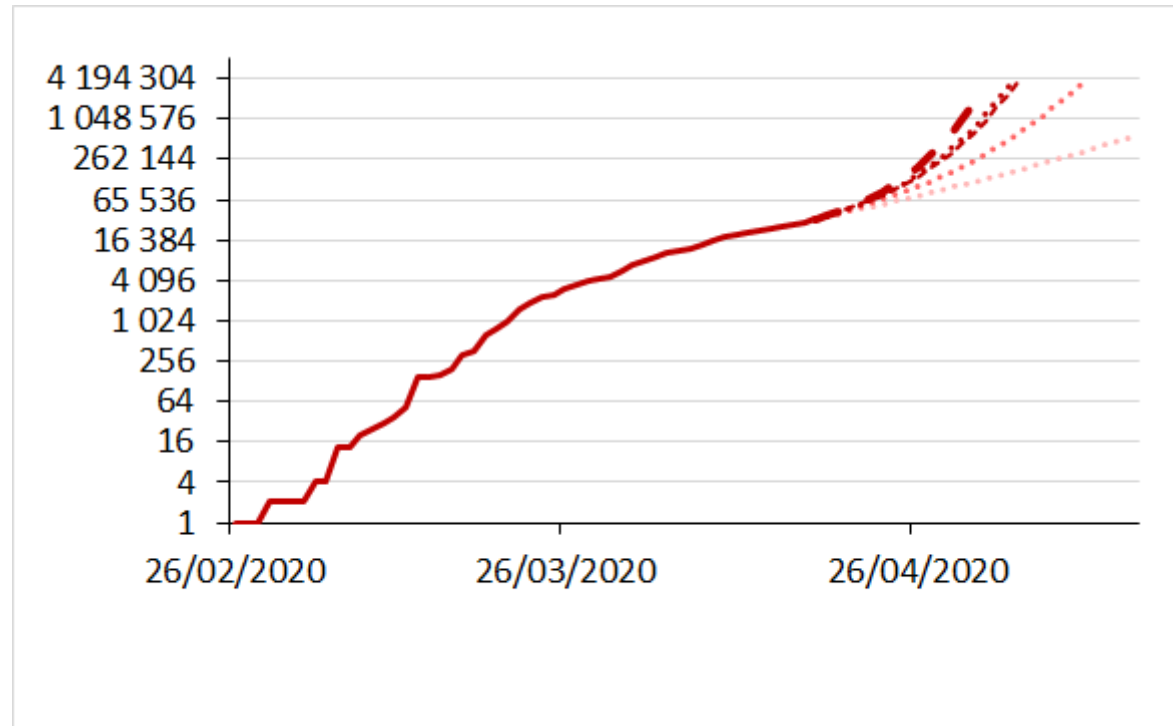


Data: The Johns Hopkins University, Politolog.com

Brazil

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

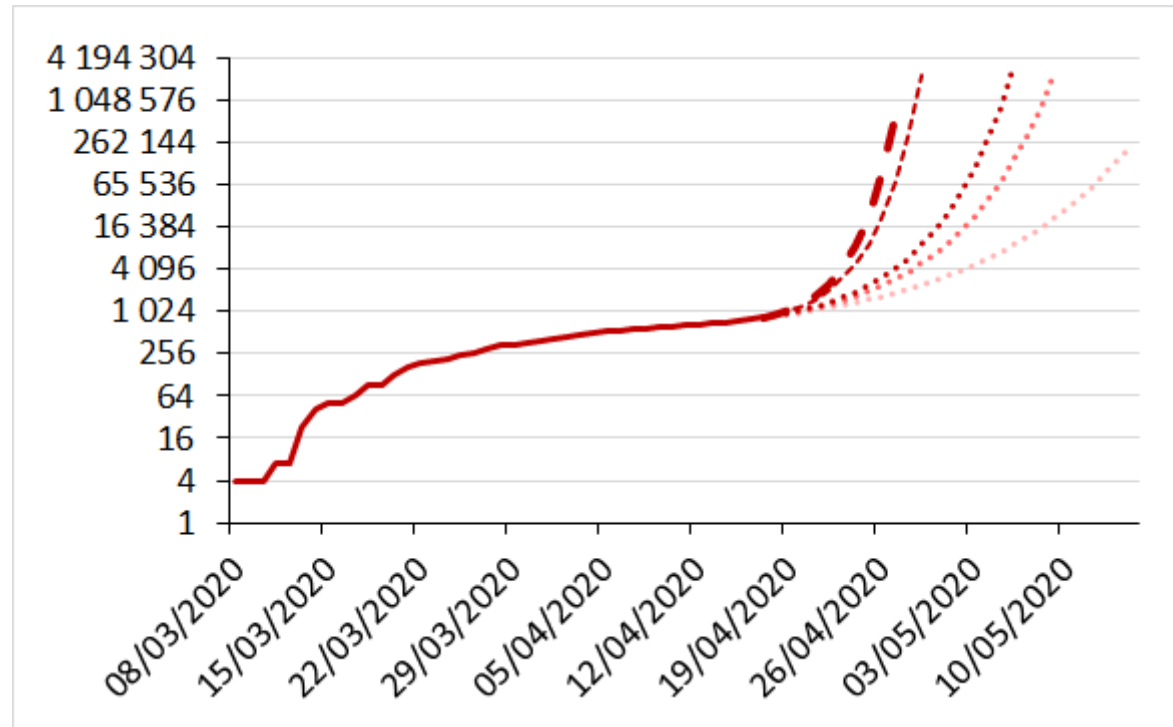


Data: The Johns Hopkins University, Politolog.com

Bulgaria

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

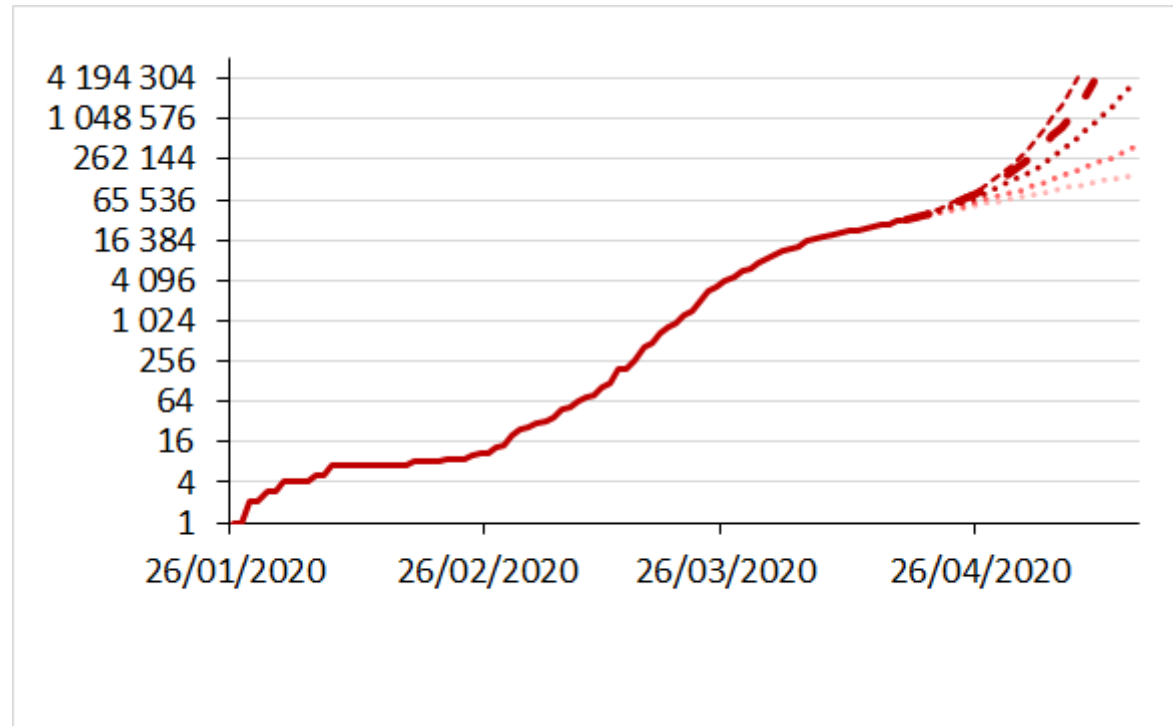


Data: The Johns Hopkins University, Politolog.com

Canada

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

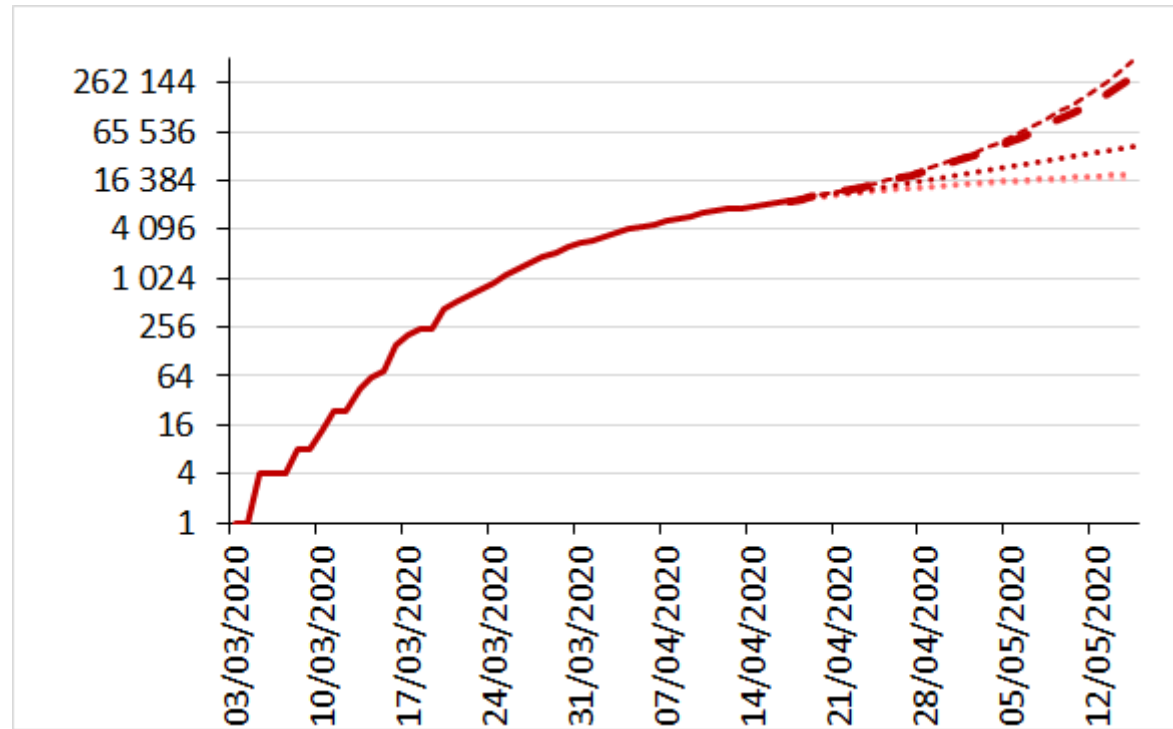


Data: The Johns Hopkins University, Politolog.com

Chile

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

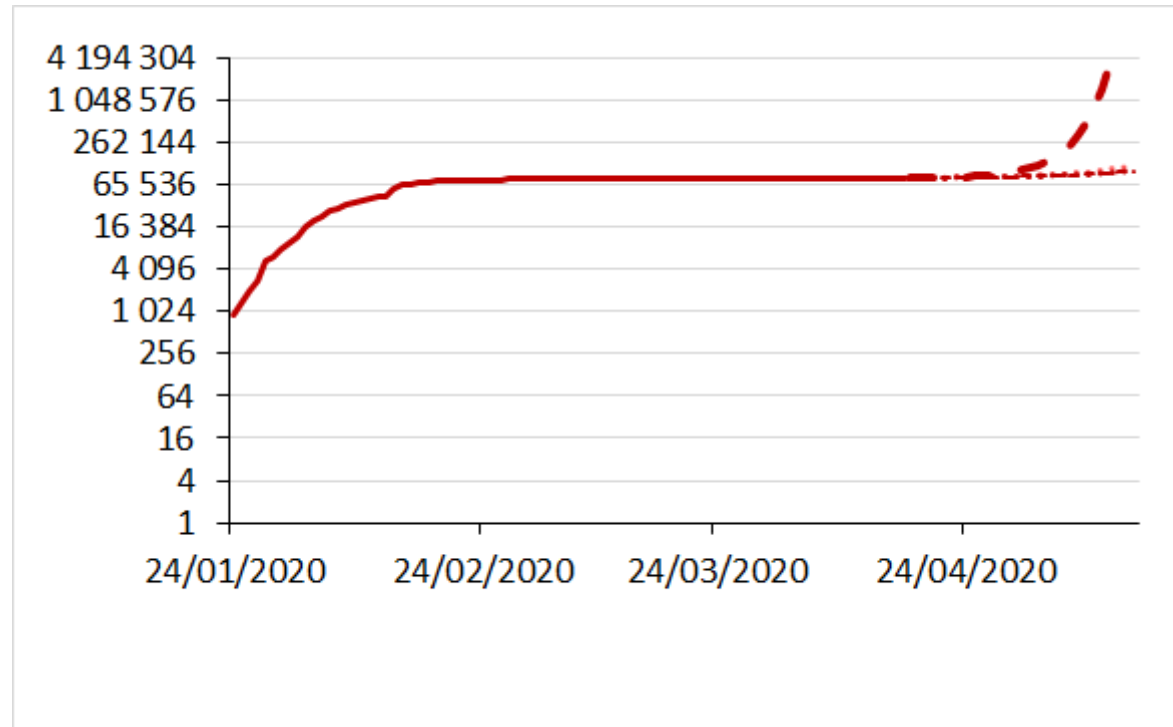


Data: The Johns Hopkins University, Politolog.com

China

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

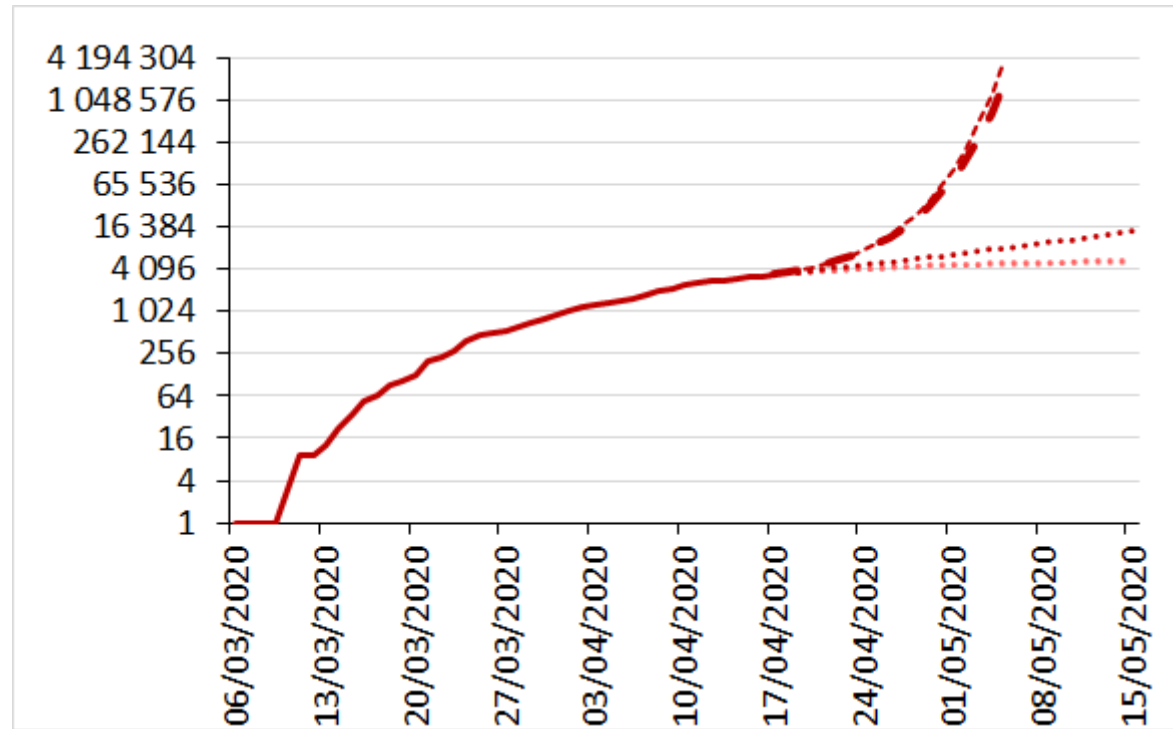


Data: The Johns Hopkins University, Politolog.com

Colombia

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

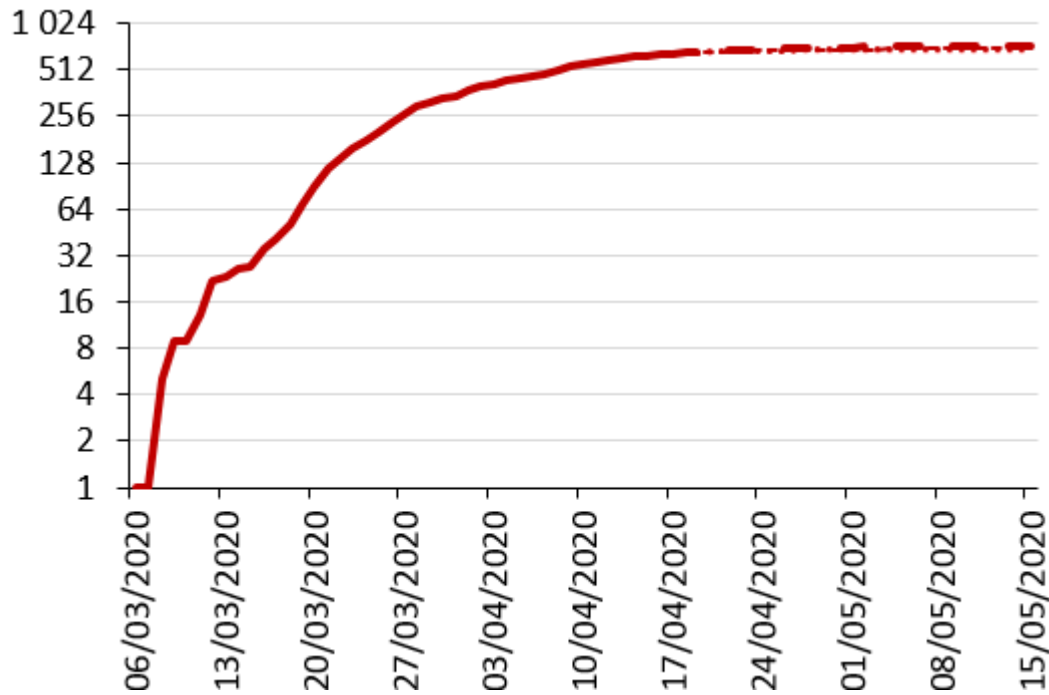


Data: The Johns Hopkins University, Politolog.com

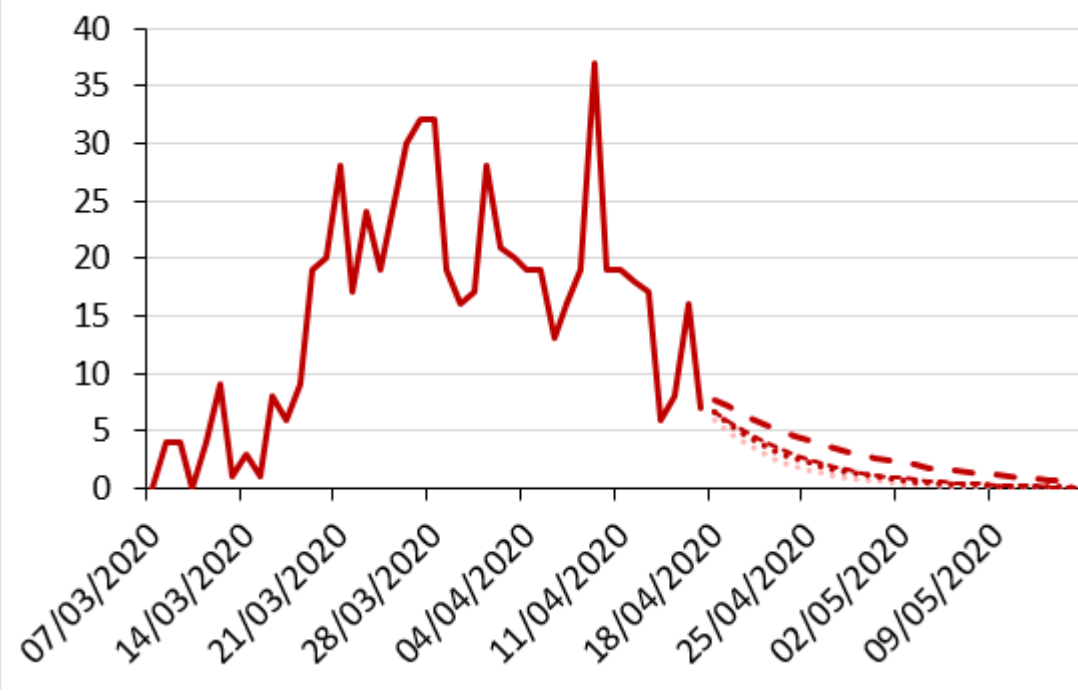
Costa Rica

— CONFIRMED ····· 9 days'fit ····· 8 days'fit ····· 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated



Daily

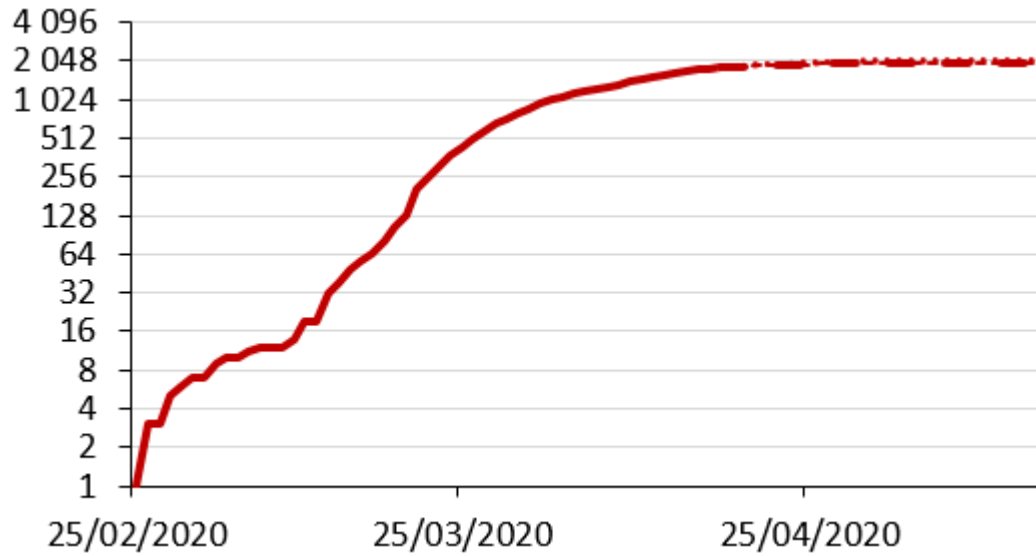


Data: The Johns Hopkins University, Politolog.com

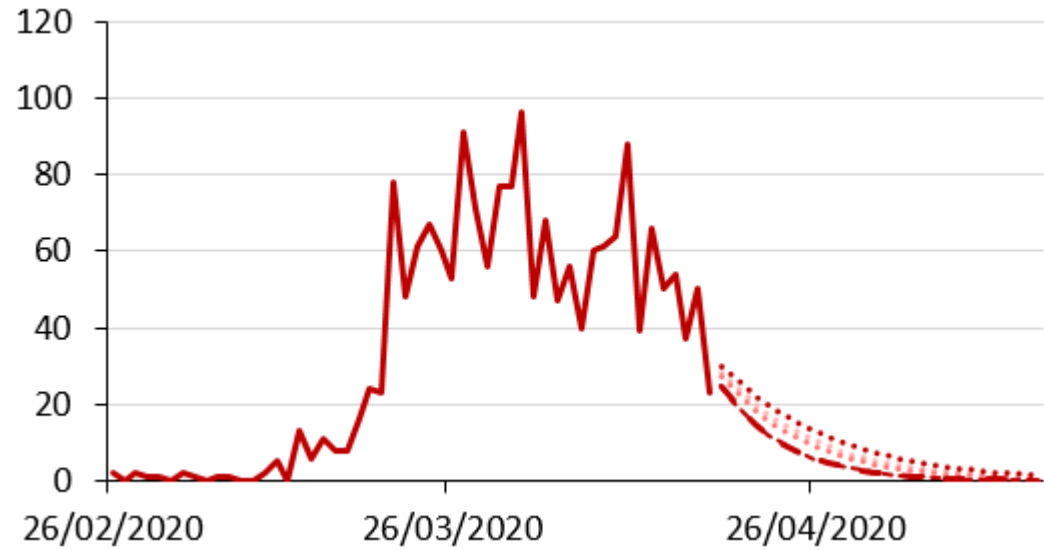
Croatia

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

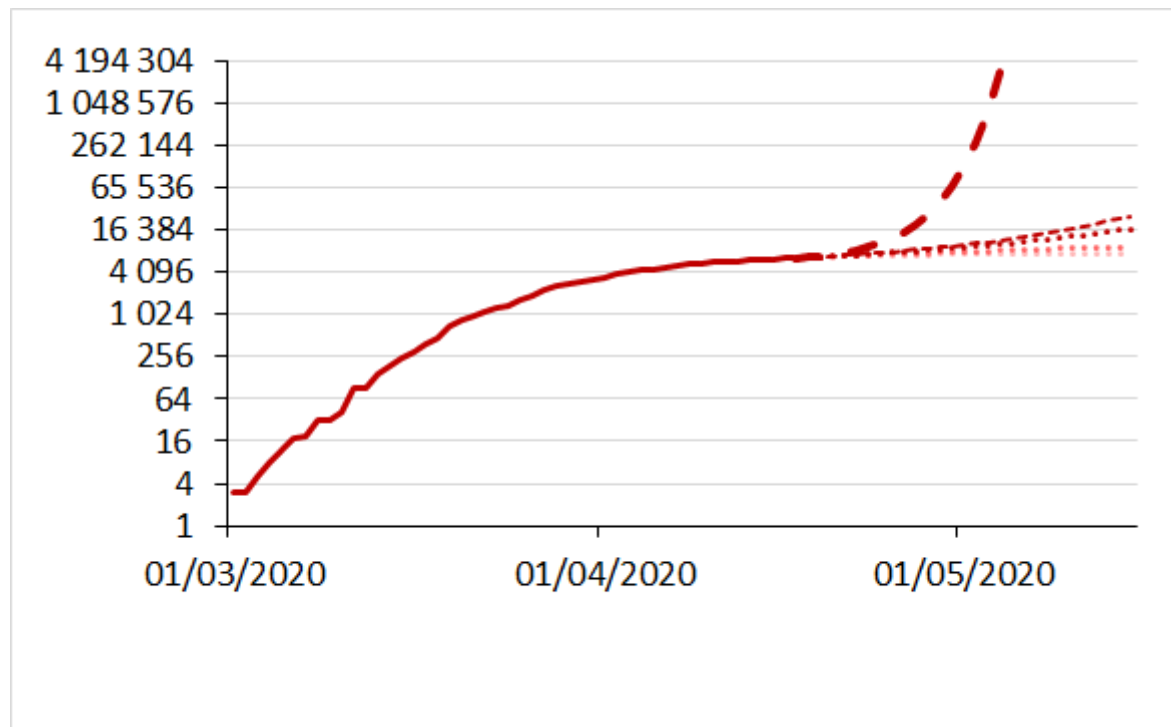


Data: The Johns Hopkins University, Politolog.com

Czech Republic

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

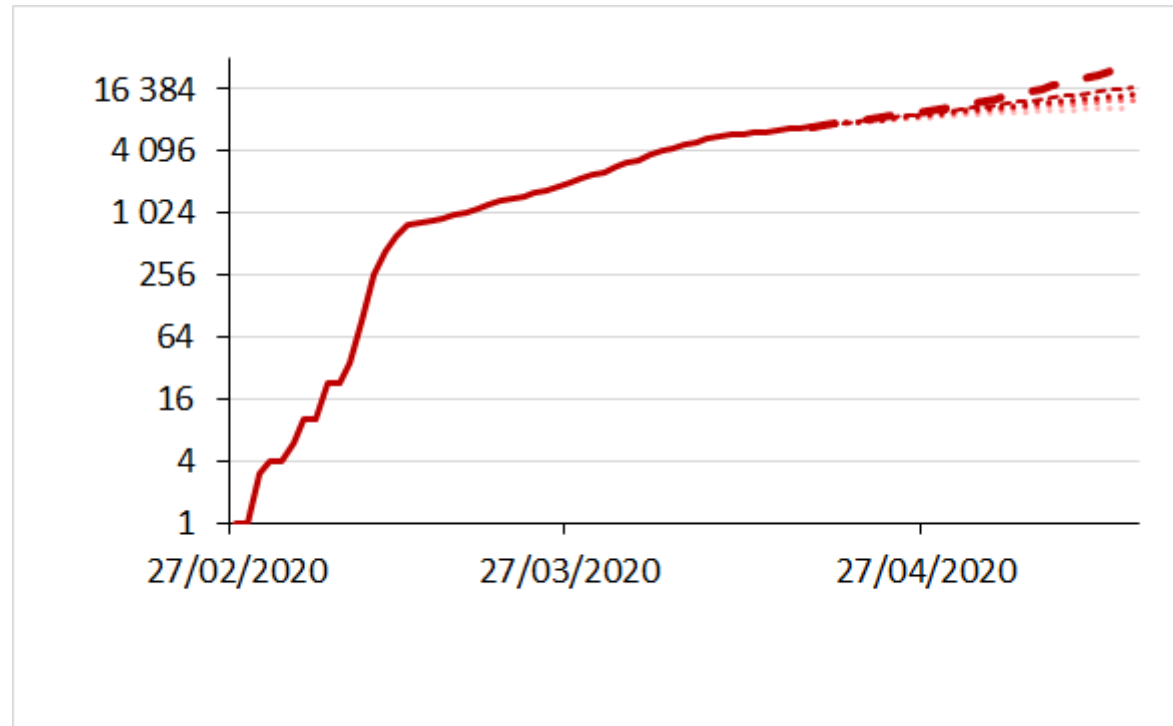


Data: The Johns Hopkins University, Politolog.com

Denmark

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

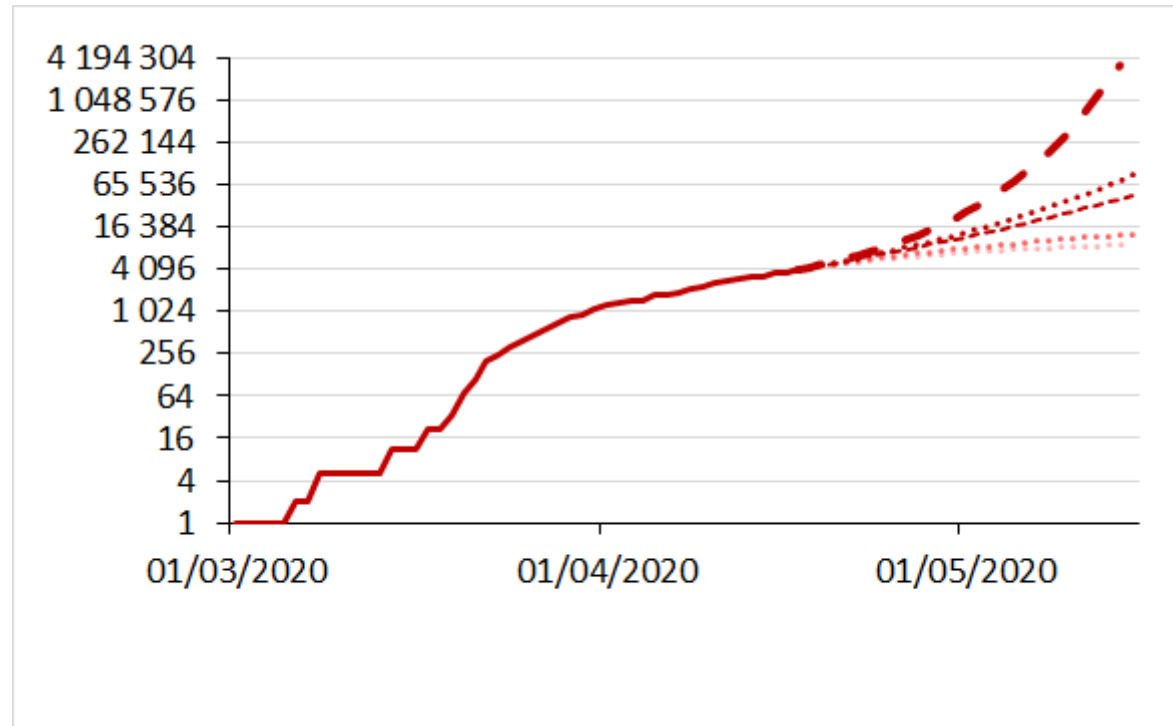


Data: The Johns Hopkins University, Politolog.com

Dominican Republic

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

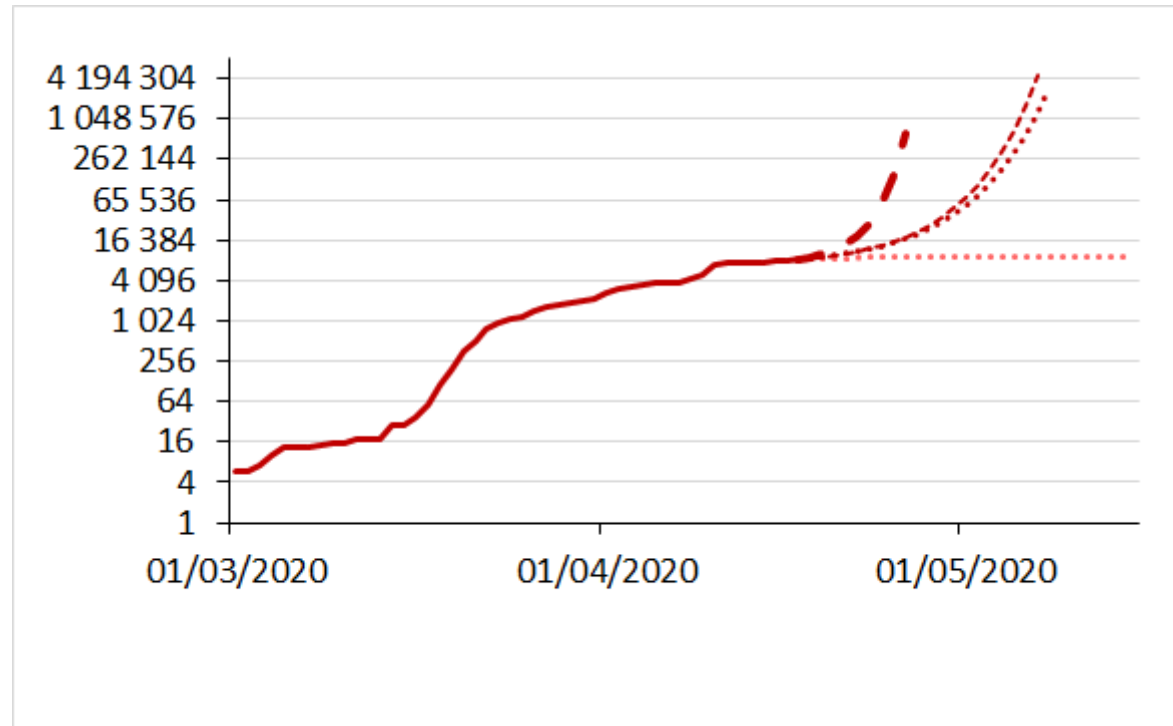


Data: The Johns Hopkins University, Politolog.com

Ecuador

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

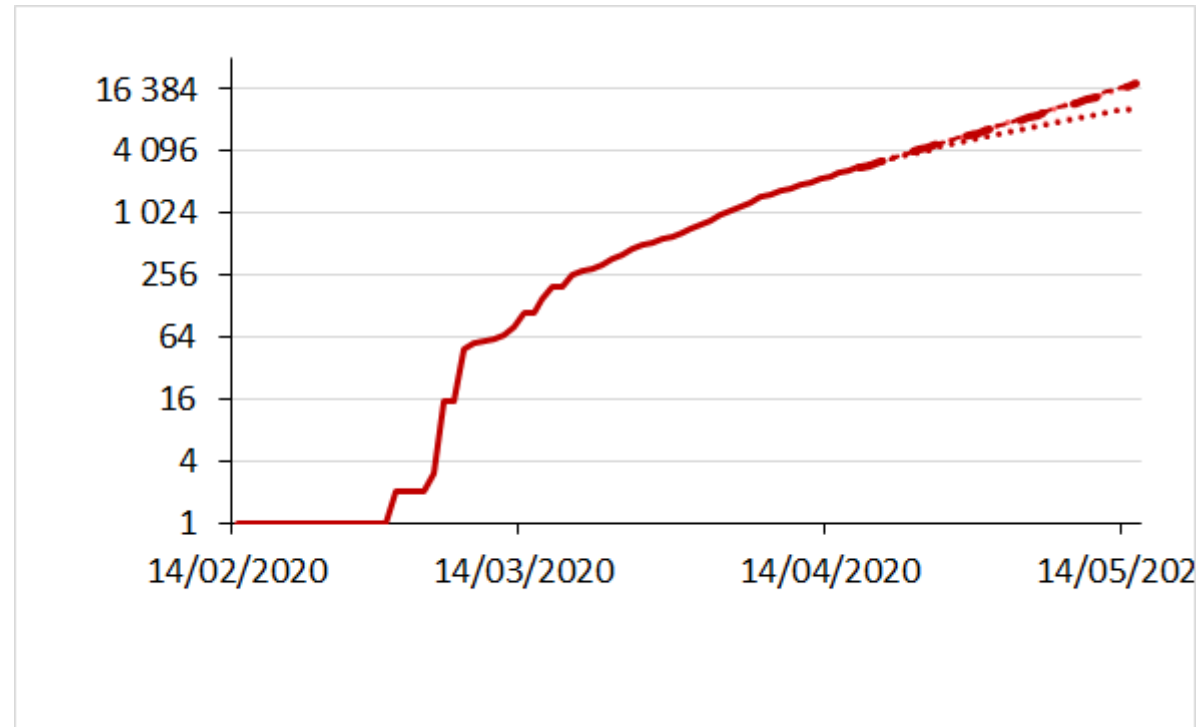


Data: The Johns Hopkins University, Politolog.com

Egypt

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

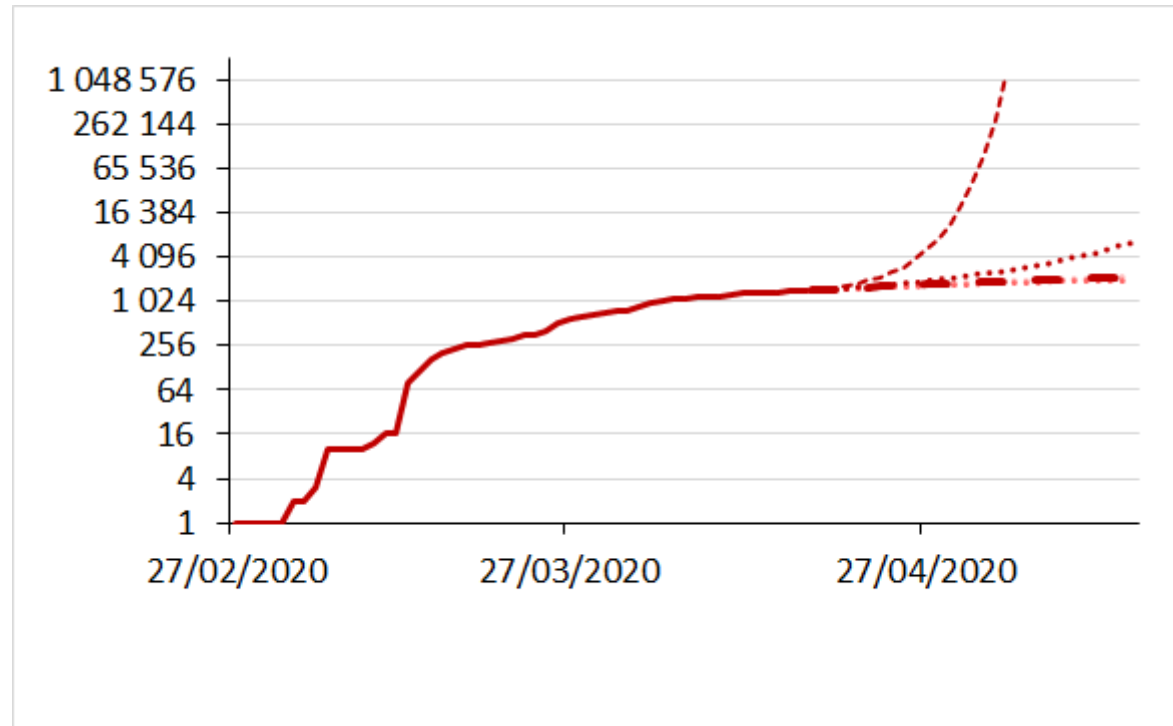


Data: The Johns Hopkins University, Politolog.com

Estonia

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

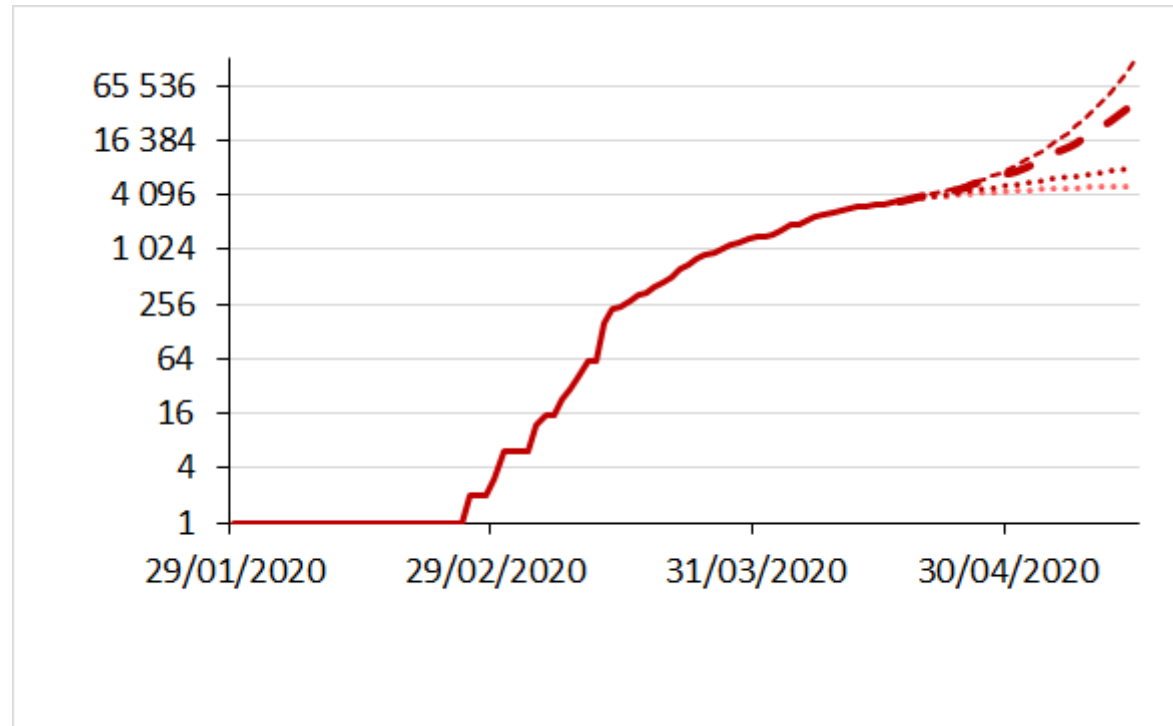


Data: The Johns Hopkins University, Politolog.com

Finland

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

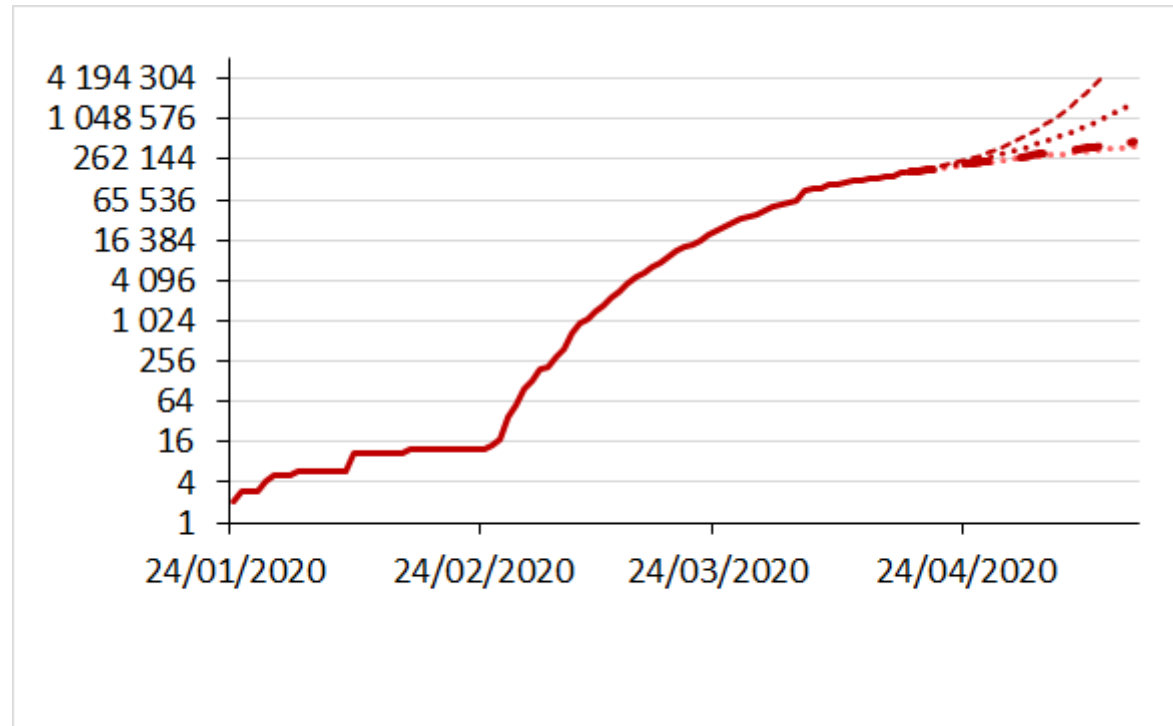


Data: The Johns Hopkins University, Politolog.com

France

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

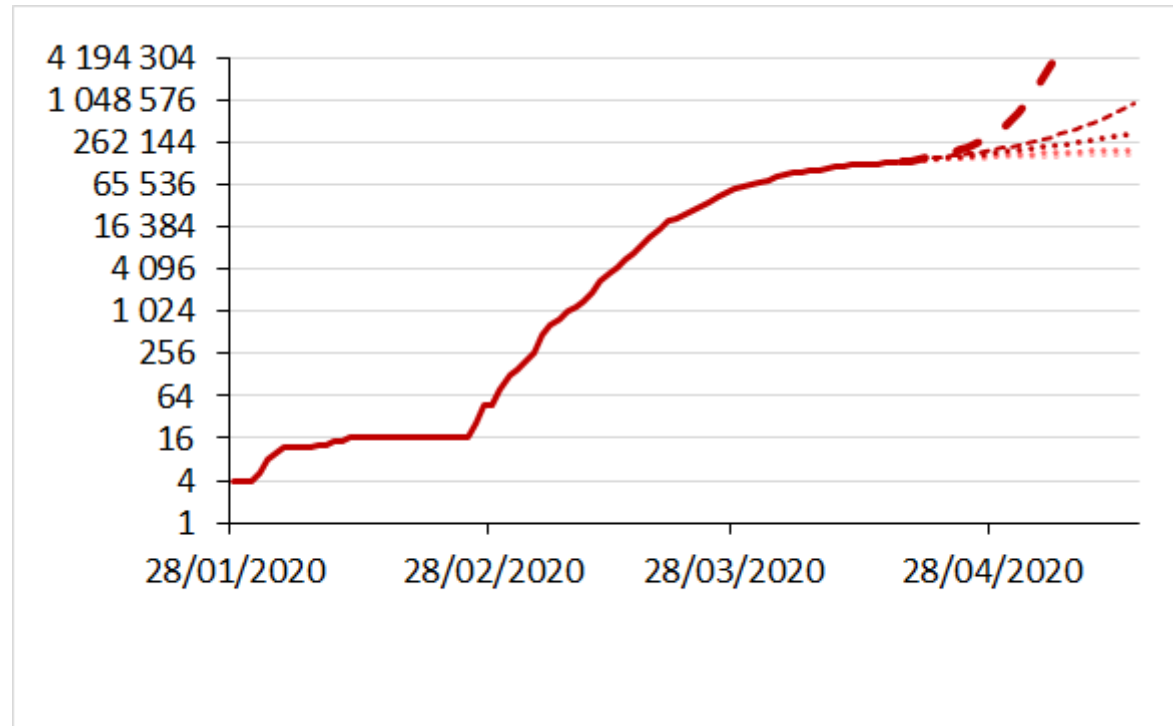


Data: The Johns Hopkins University, Politolog.com

Germany

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

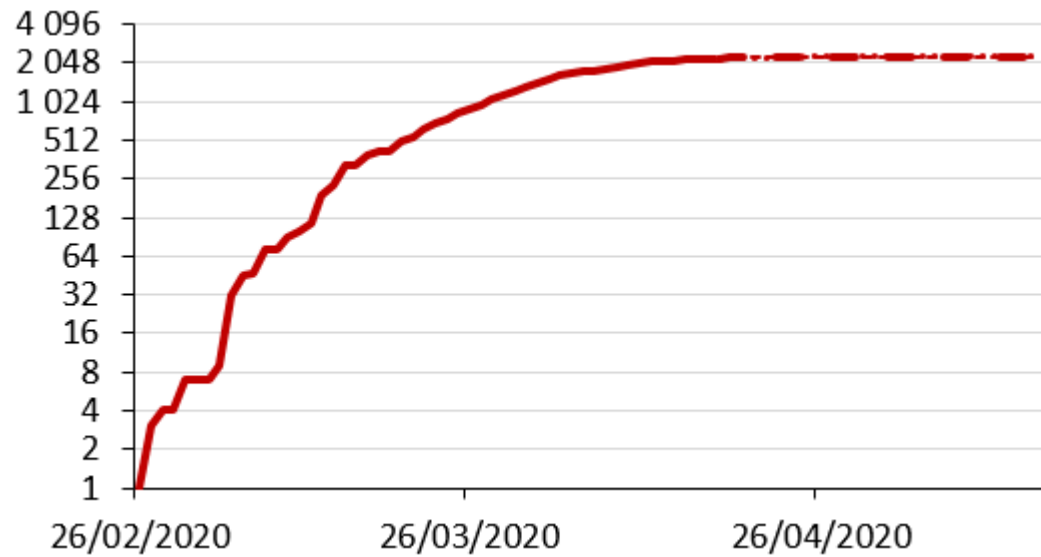


Data: The Johns Hopkins University, Politolog.com

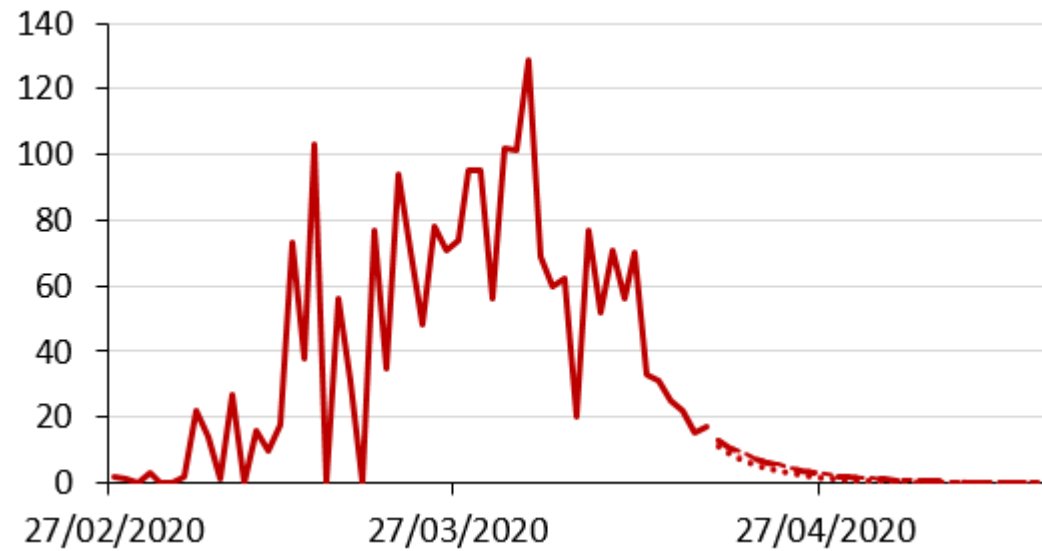
Greece

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated



Daily

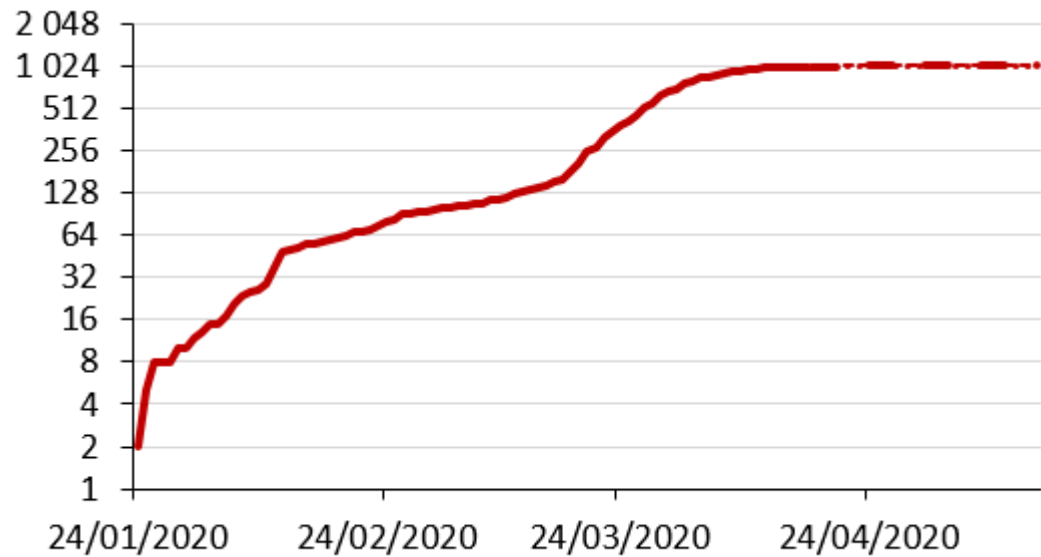


Data: The Johns Hopkins University, Politolog.com

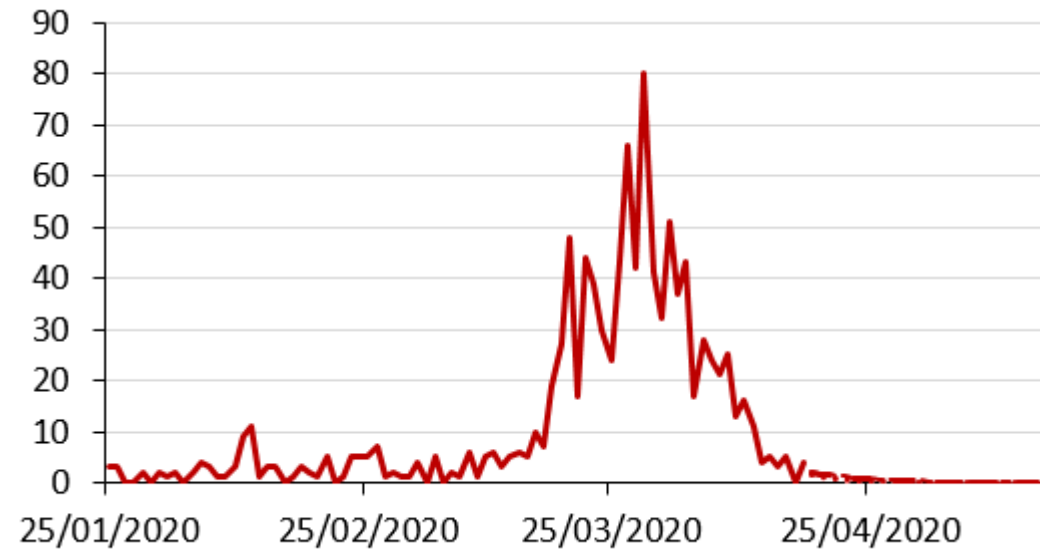
Hong Kong

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated



Daily

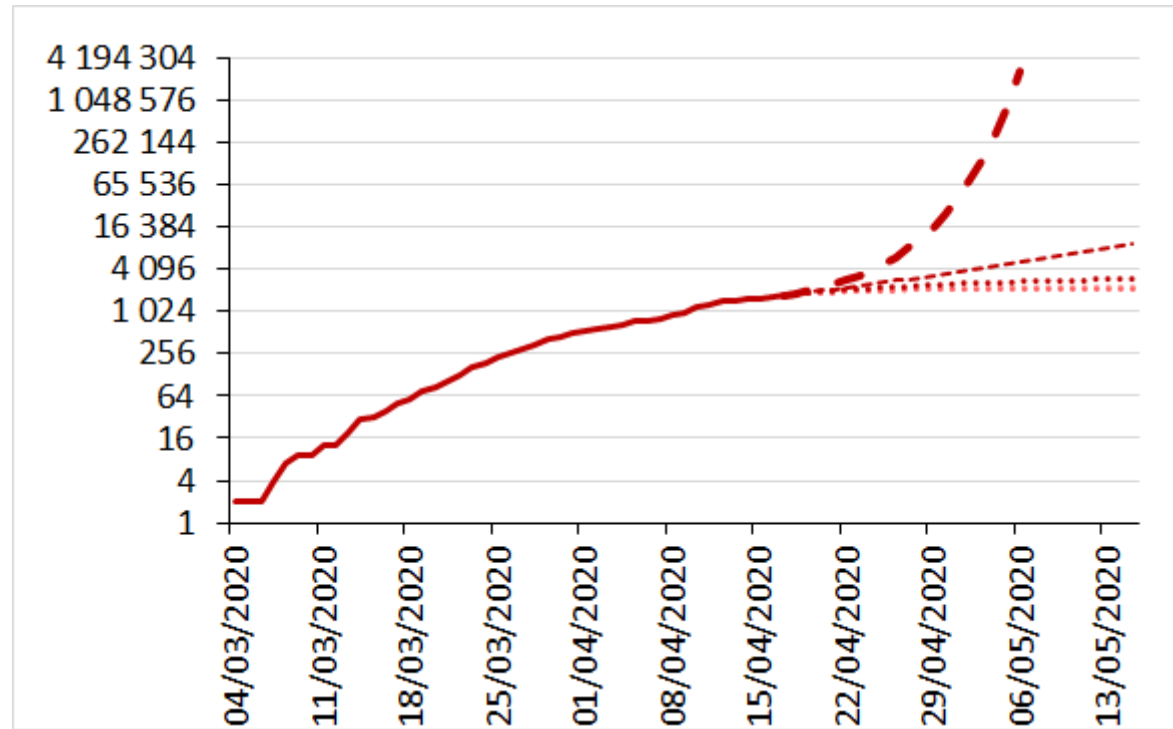


Data: The Johns Hopkins University, Politolog.com

Hungary

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

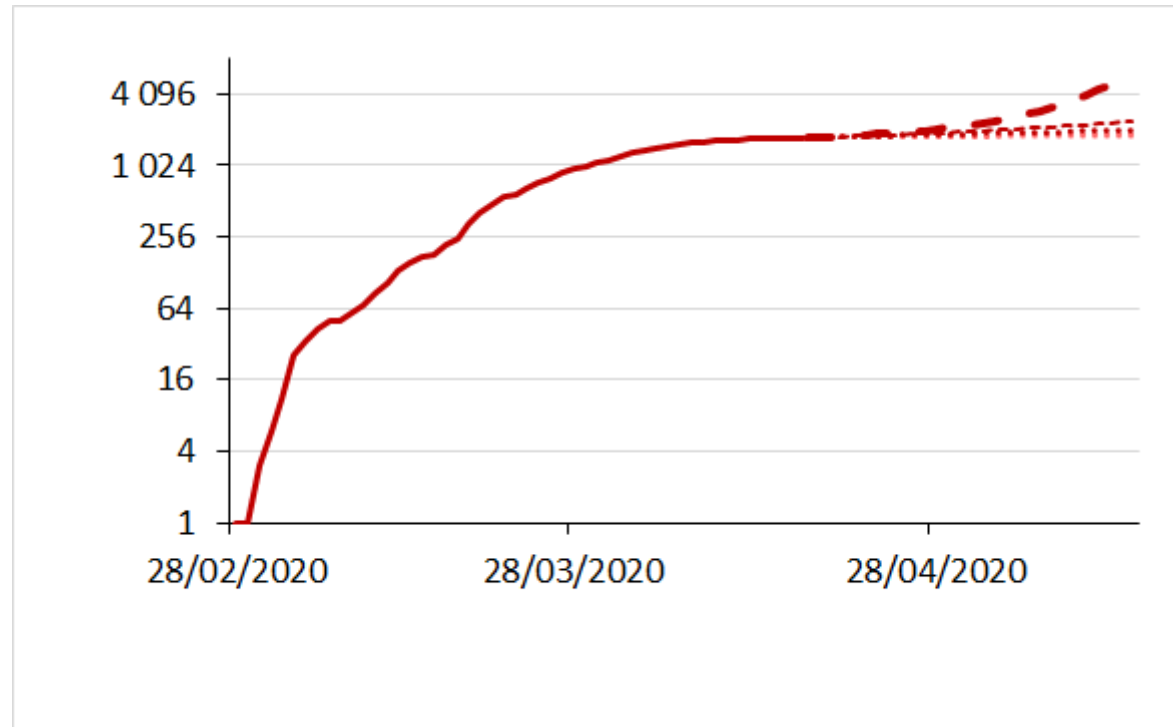


Data: The Johns Hopkins University, Politolog.com

Iceland

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

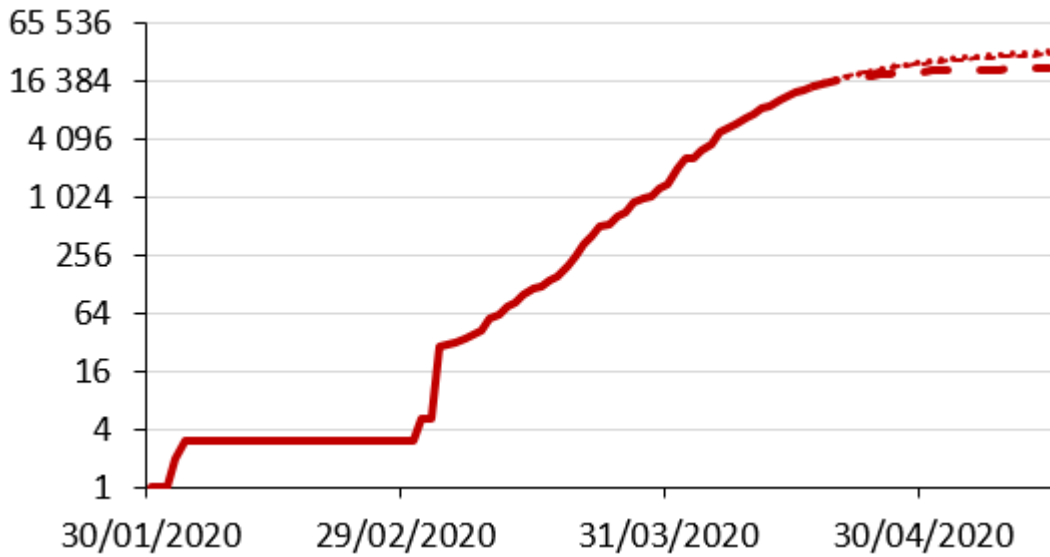


Data: The Johns Hopkins University, Politolog.com

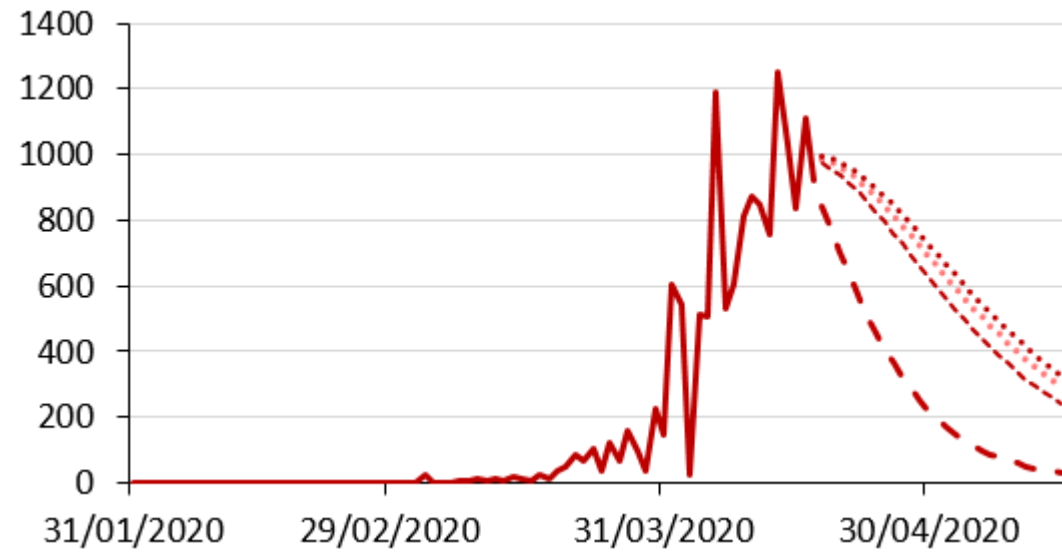
India

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

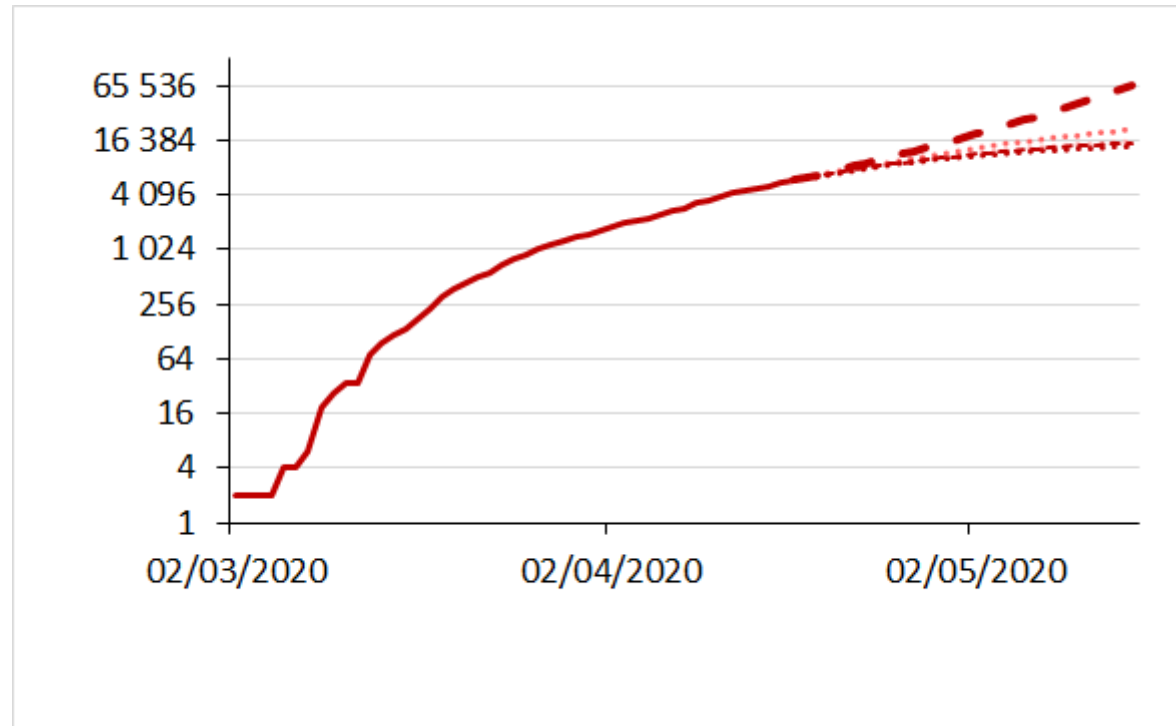


Data: The Johns Hopkins University, Politolog.com

Indonesia

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

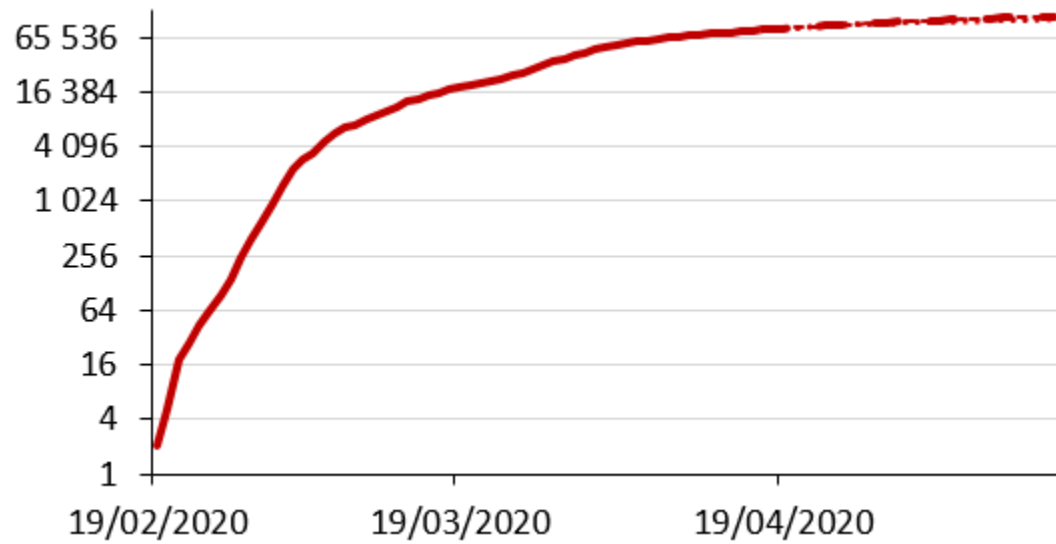


Data: The Johns Hopkins University, Politolog.com

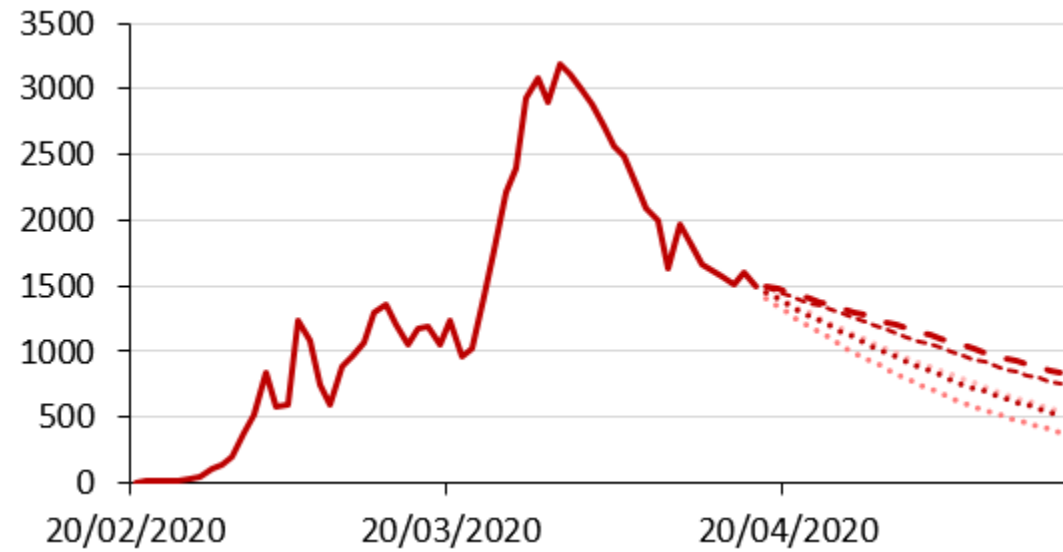
Iran

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

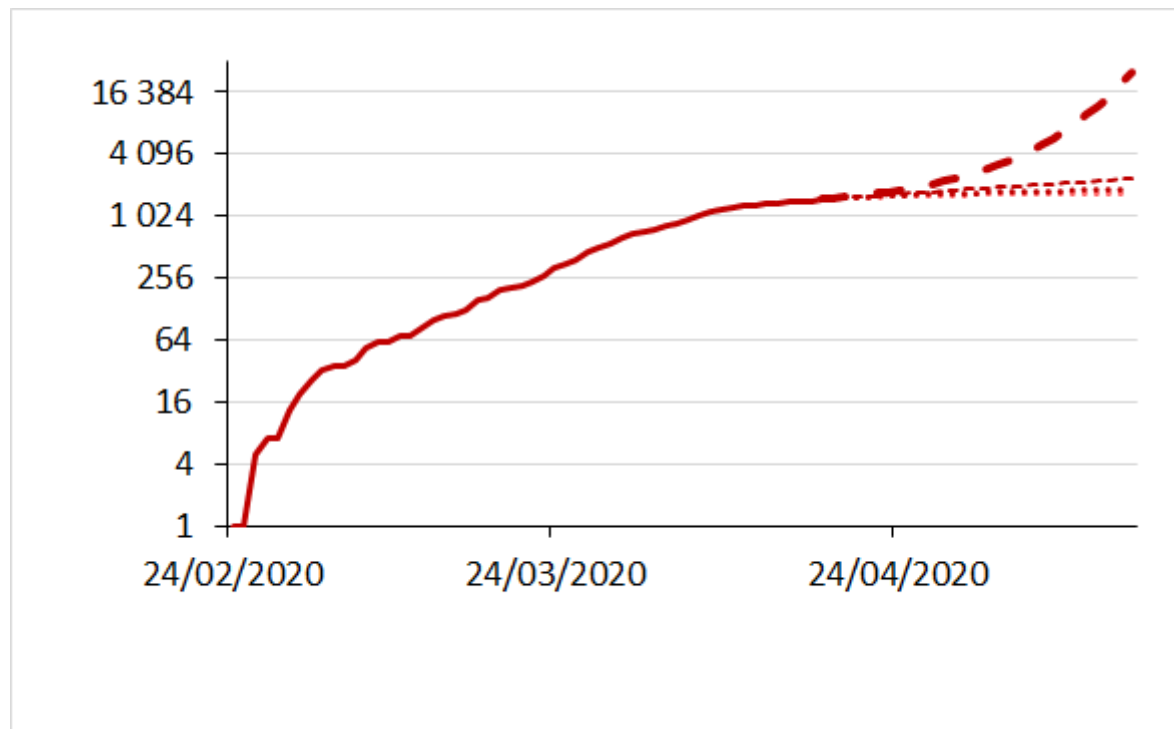


Data: The Johns Hopkins University, Politolog.com

Iraq

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

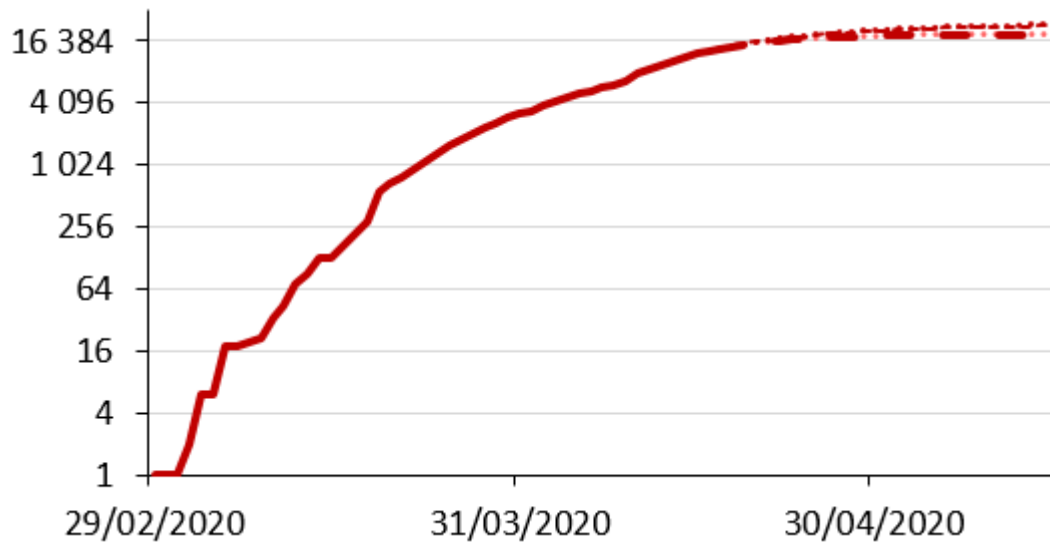


Data: The Johns Hopkins University, Politolog.com

Ireland

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

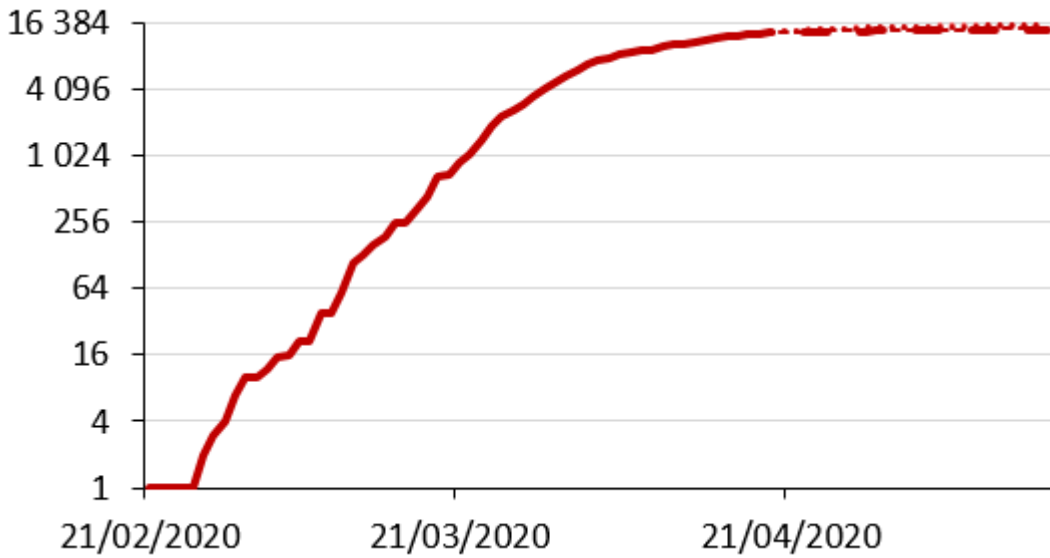


Data: The Johns Hopkins University, Politolog.com

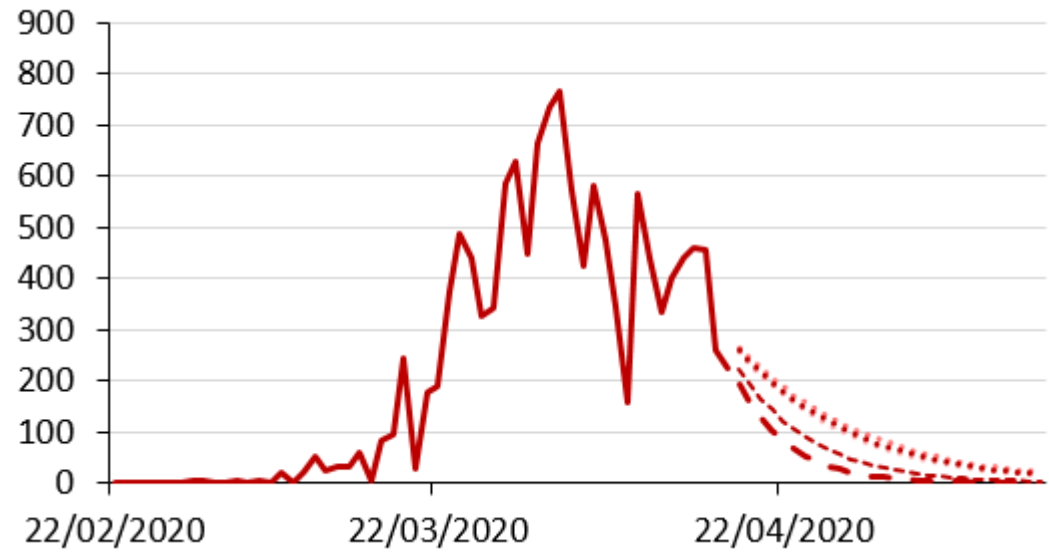
Israel

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

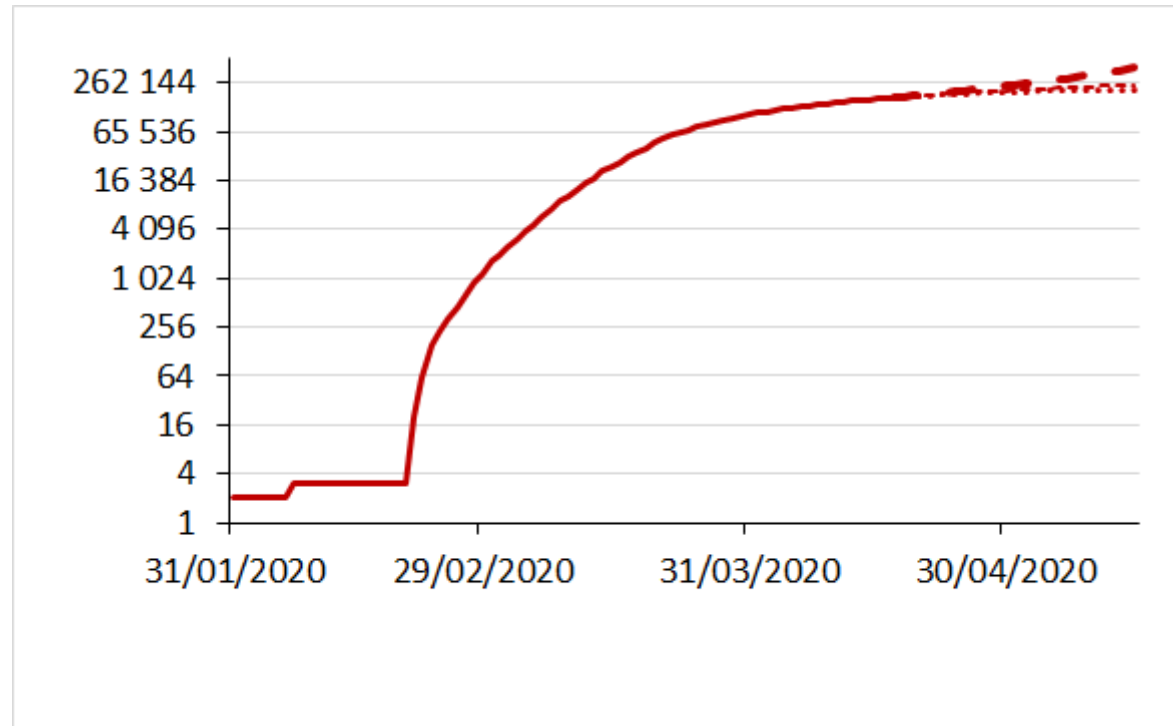


Data: The Johns Hopkins University, Politolog.com

Italy

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

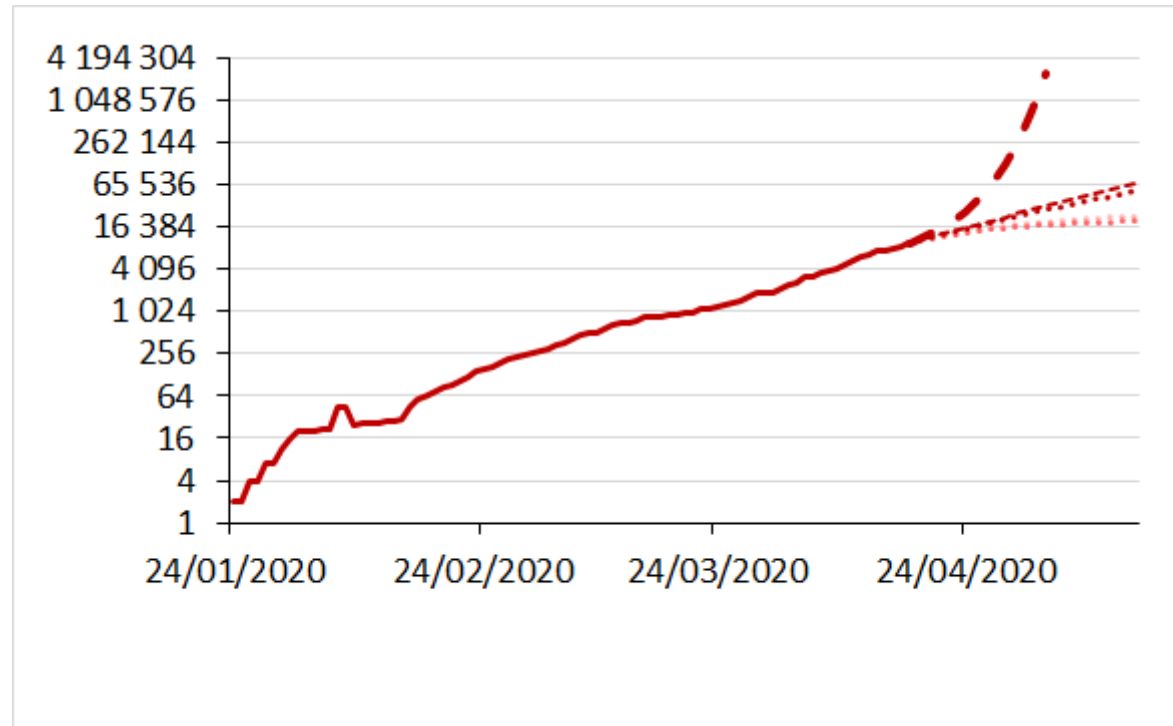


Data: The Johns Hopkins University, Politolog.com

Japan

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

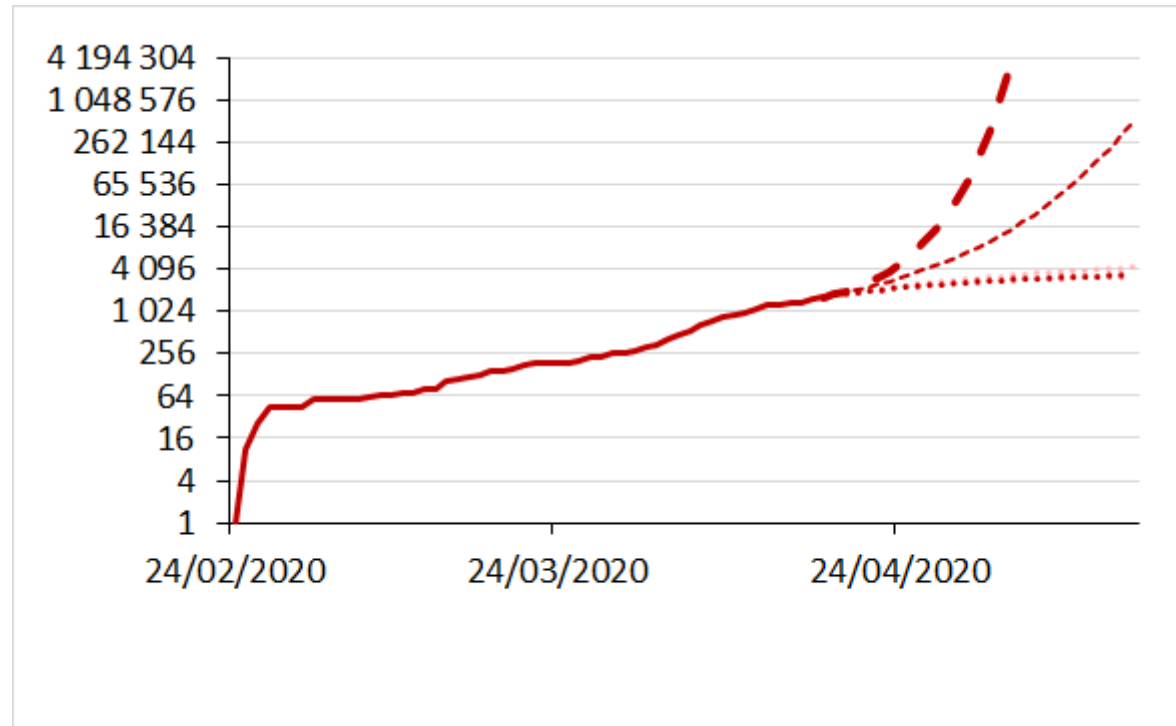


Data: The Johns Hopkins University, Politolog.com

Kuwait

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

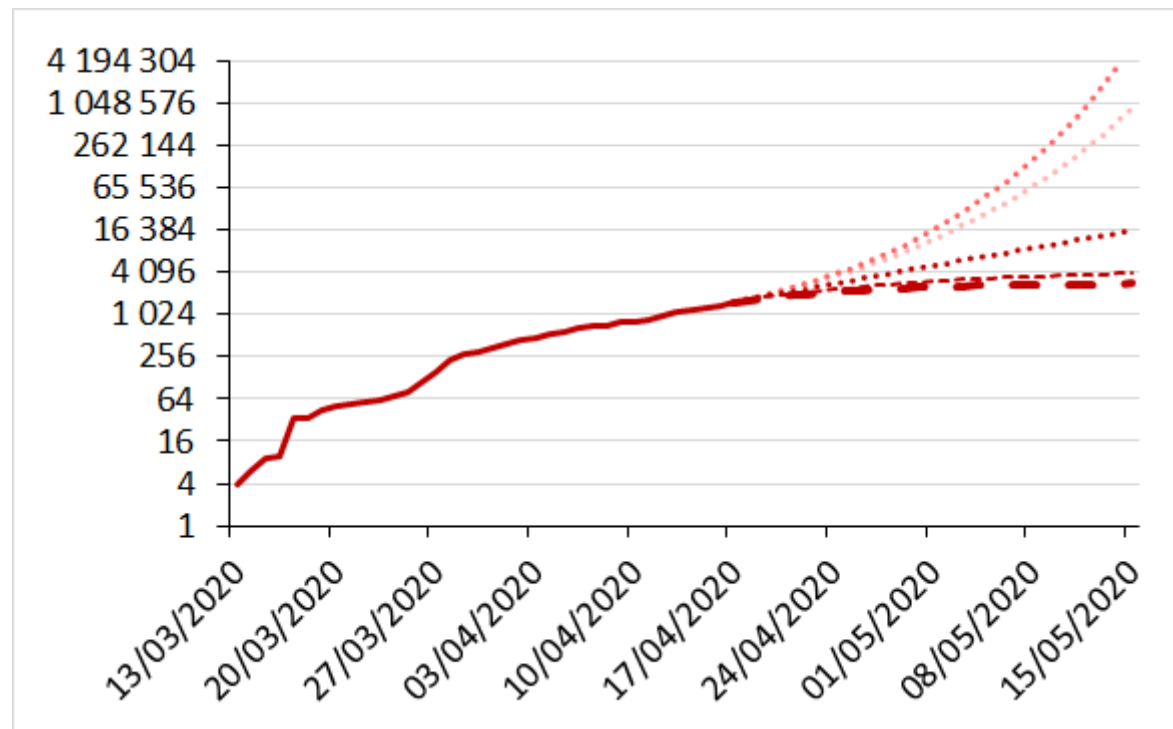


Data: The Johns Hopkins University, Politolog.com

Kazakhstan

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

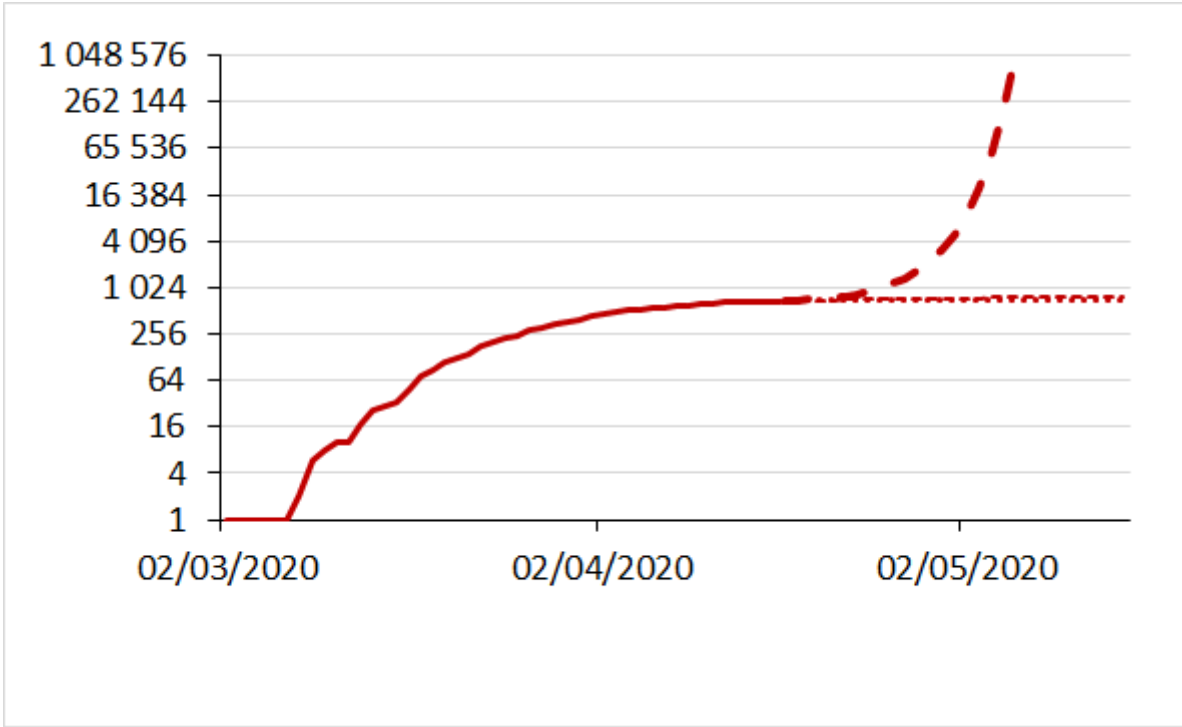


Data: The Johns Hopkins University, Politolog.com

Latvia

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

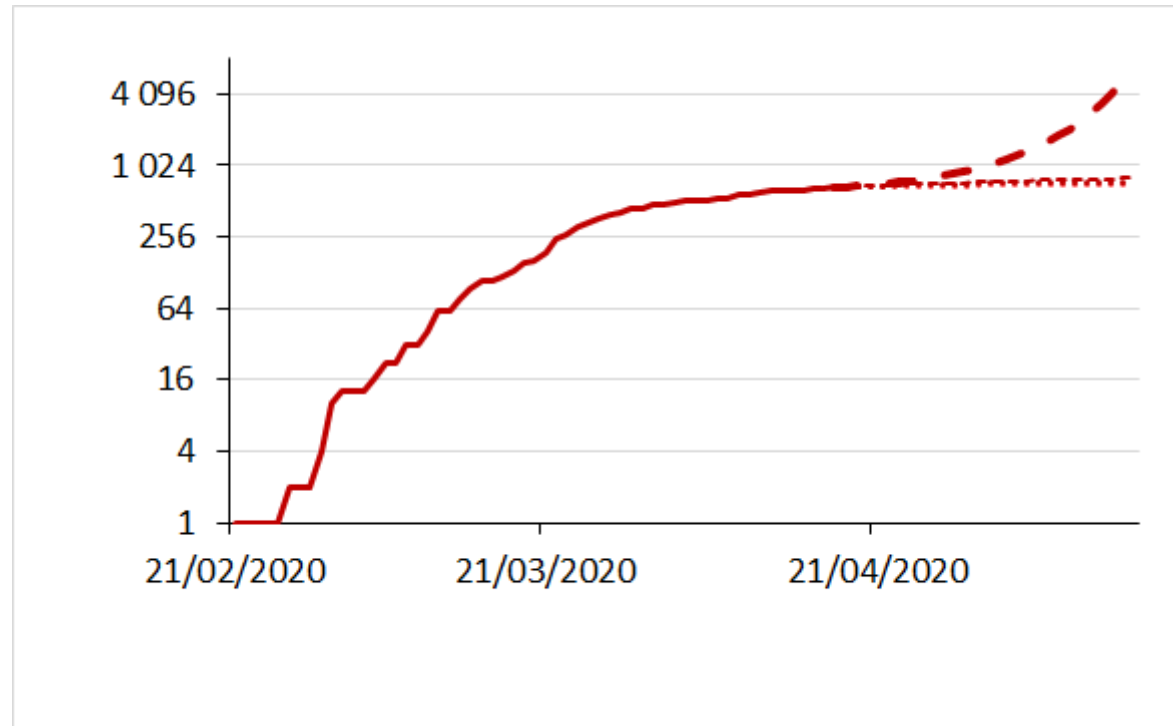


Data: The Johns Hopkins University, Politolog.com

Lebanon

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

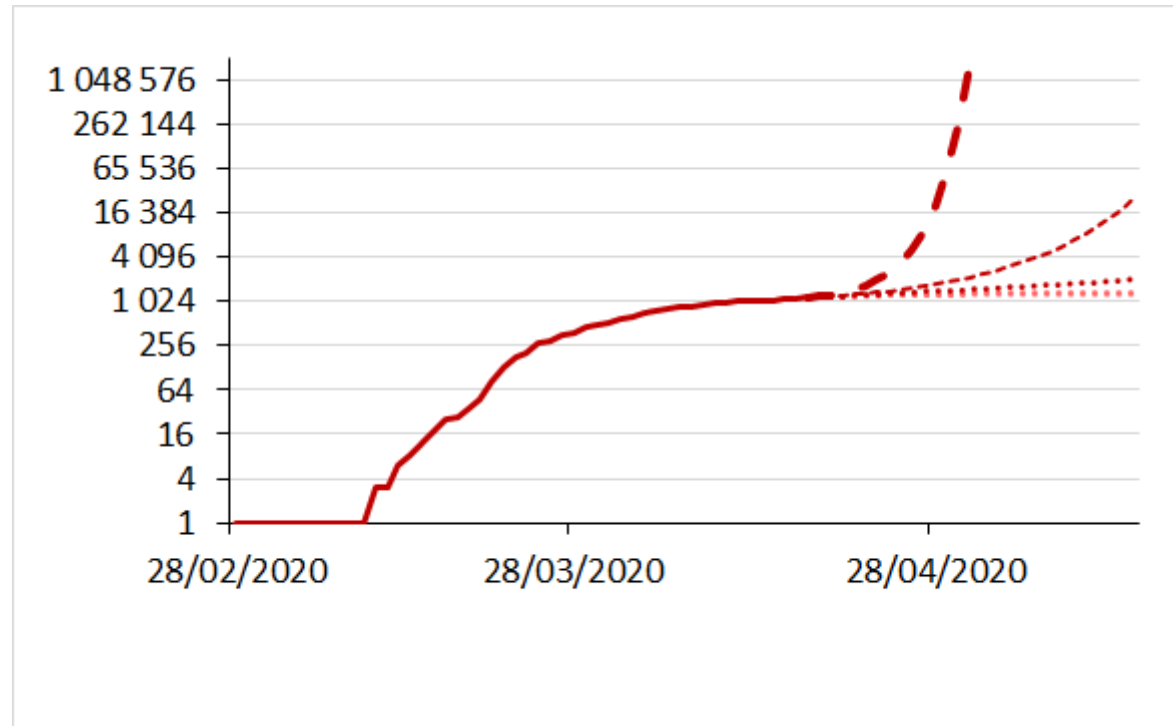


Data: The Johns Hopkins University, Politolog.com

Lithuania

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

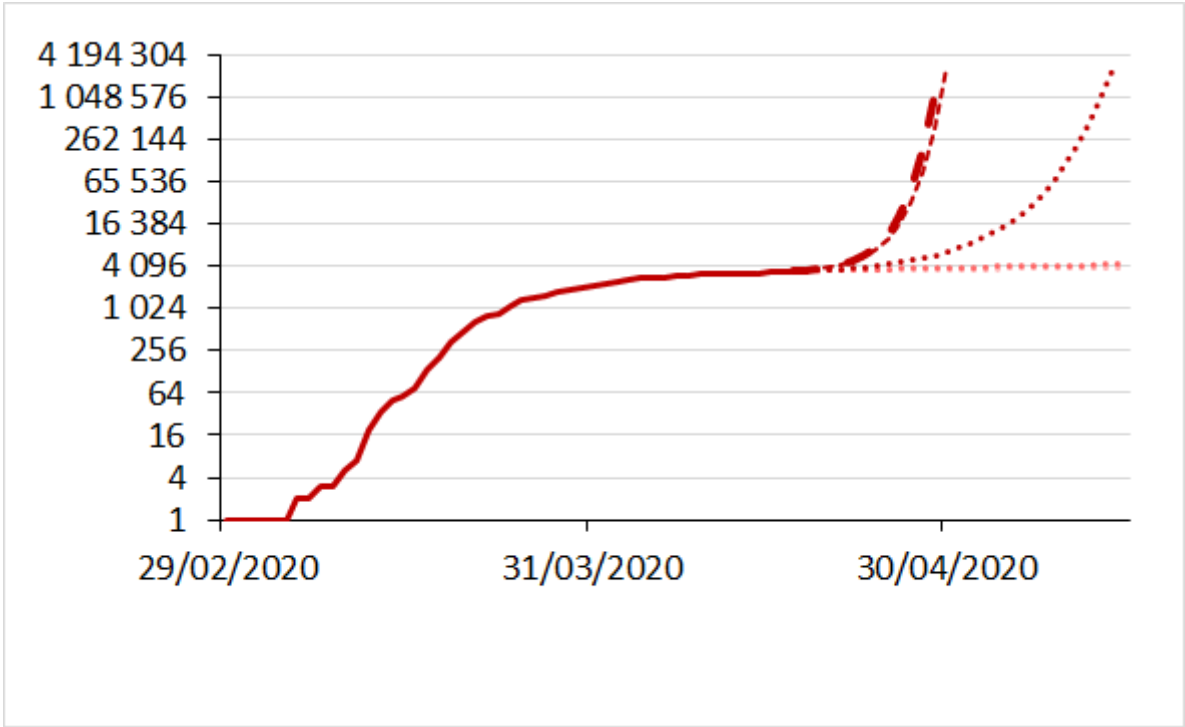


Data: The Johns Hopkins University, Politolog.com

Luxembourg

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

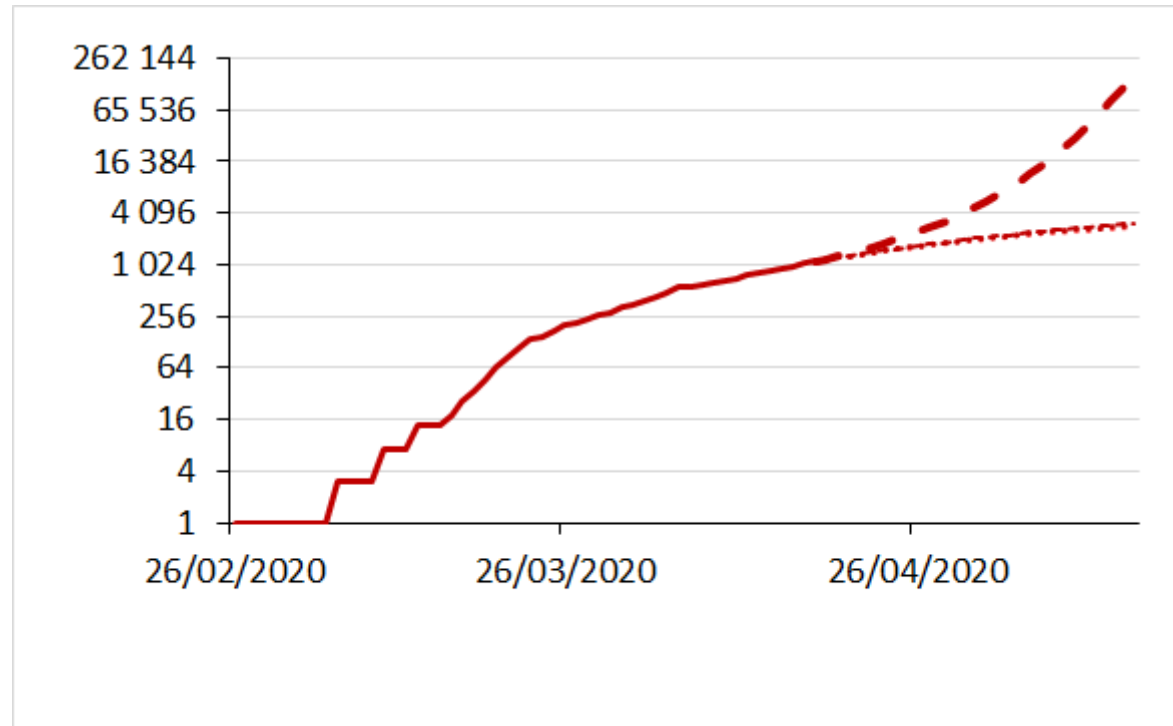


Data: The Johns Hopkins University, Politolog.com

Macedonia

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

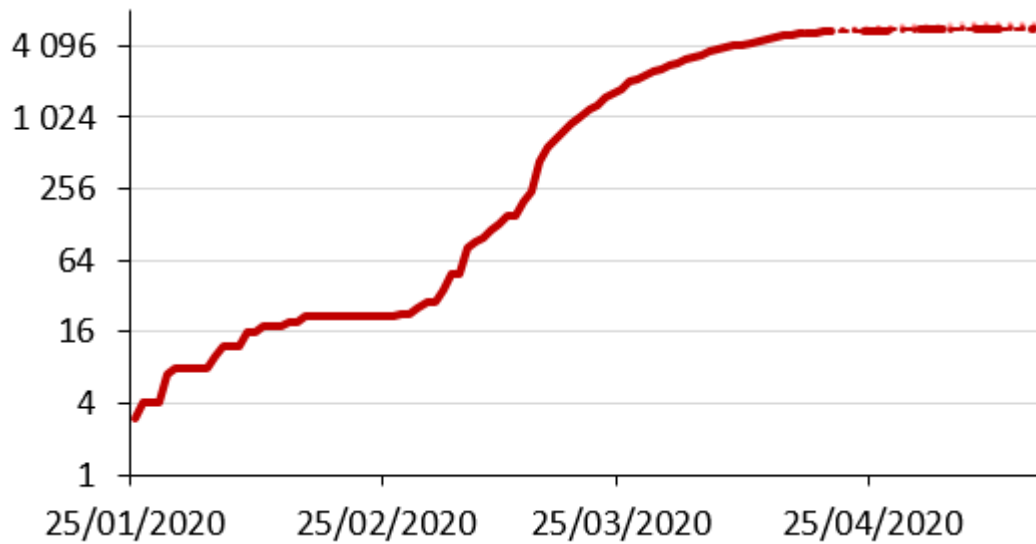


Data: The Johns Hopkins University, Politolog.com

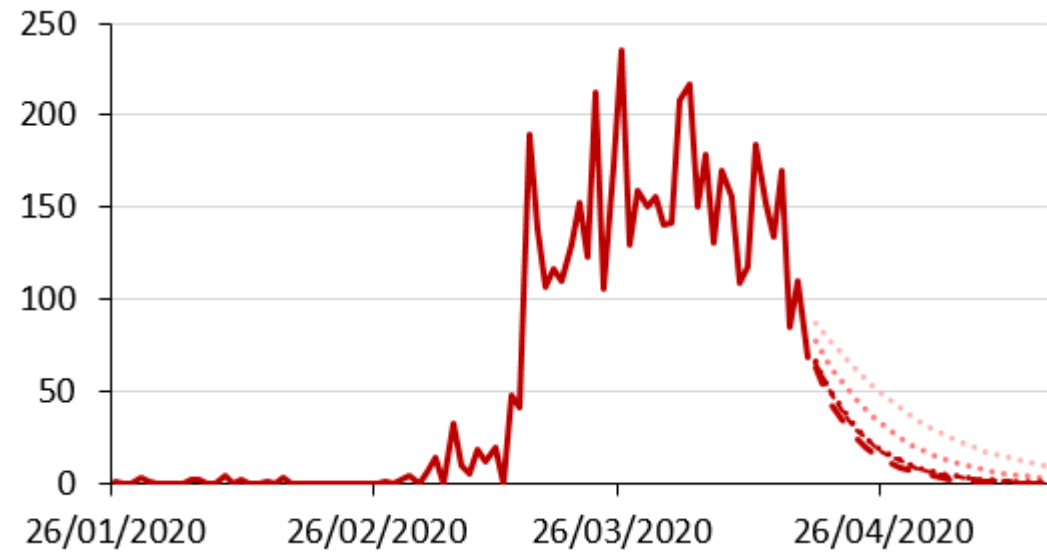
Malaysia

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

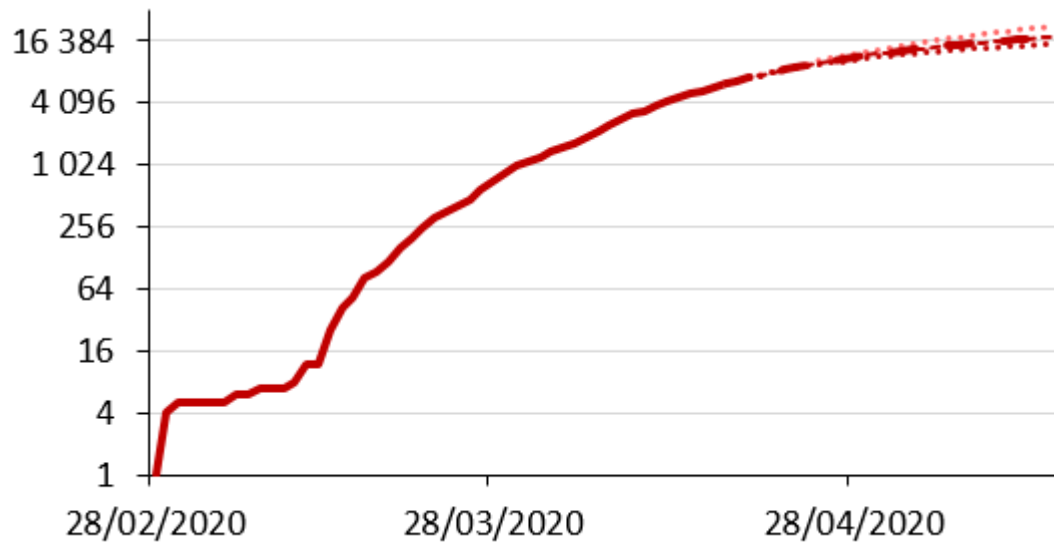


Data: The Johns Hopkins University, Politolog.com

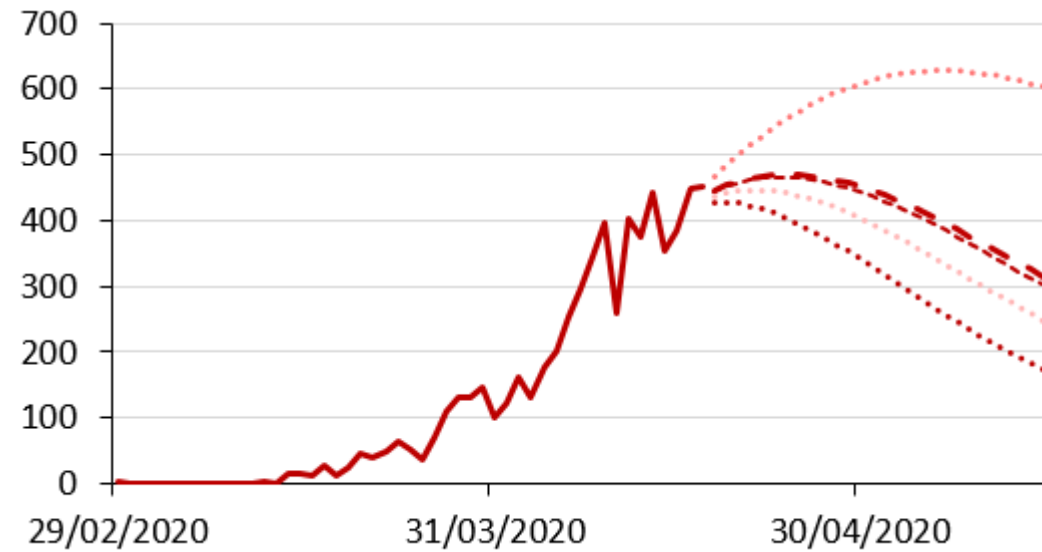
Mexico

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

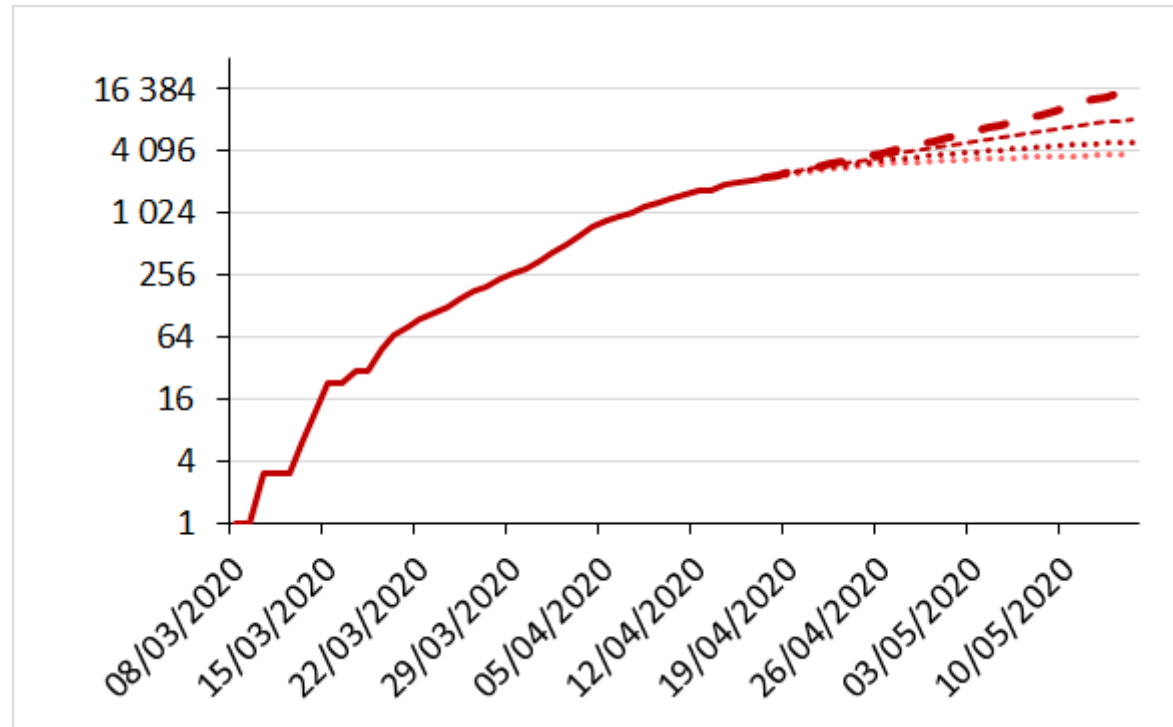


Data: The Johns Hopkins University, Politolog.com

Moldova

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

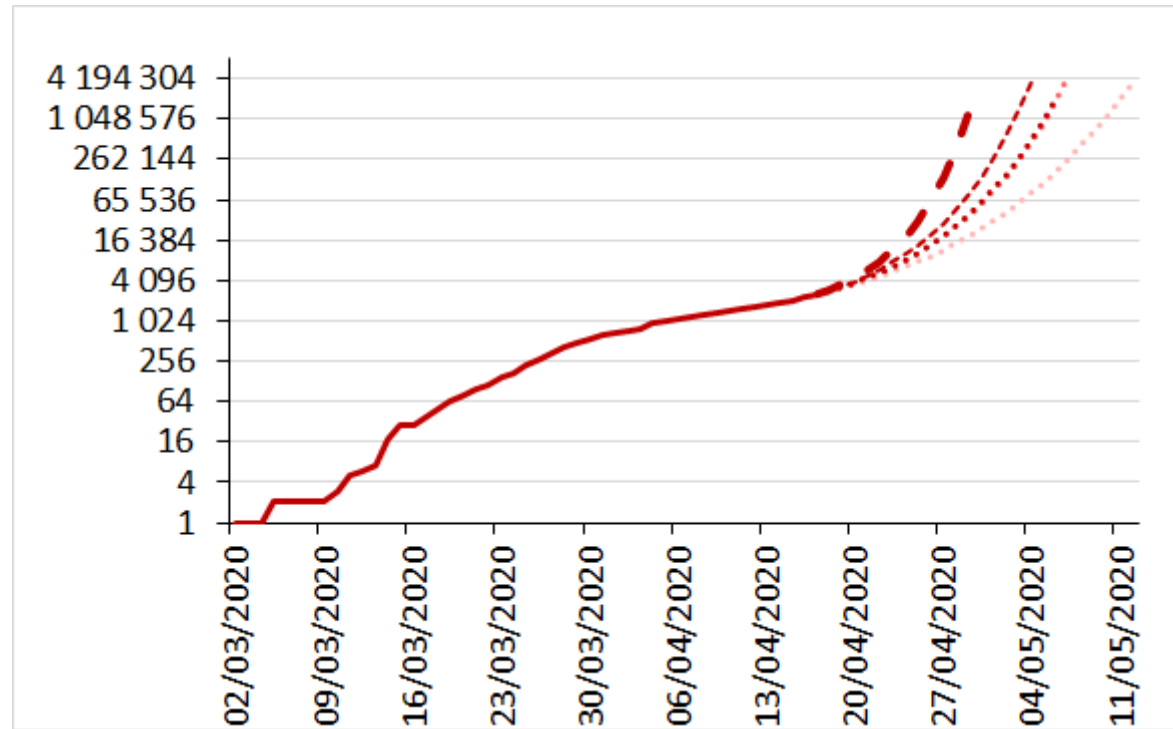


Data: The Johns Hopkins University, Politolog.com

Morocco

— CONFIRMED ····· 9 days'fit ····· 8 days'fit ····· 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

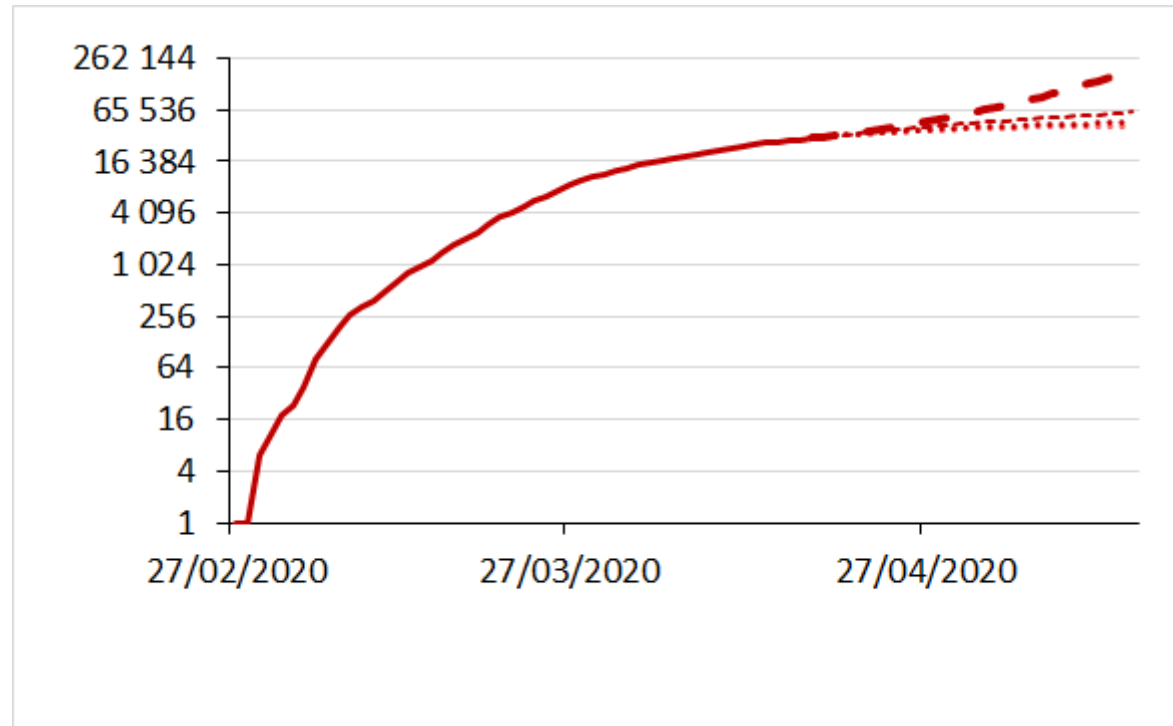


Data: The Johns Hopkins University, Politolog.com

Netherlands

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

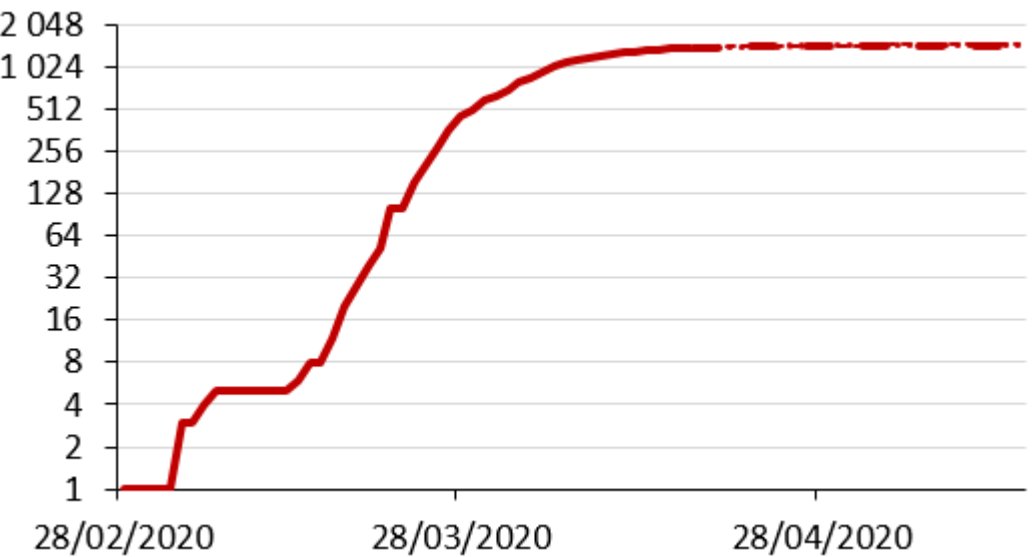


Data: The Johns Hopkins University, Politolog.com

New Zealand

CONFIRMED 9 days'fit 8 days'fit 7 days'fit 6 days'fit 5 days'fit

Cumulated



Daily

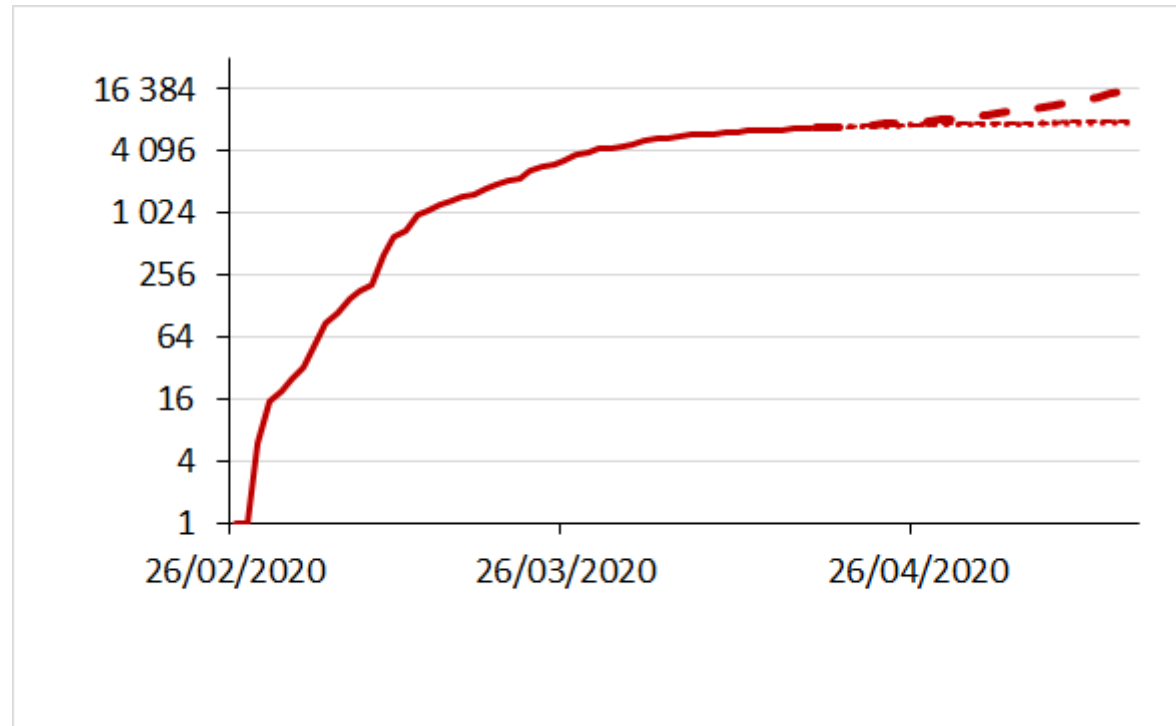


Data: The Johns Hopkins University, Politolog.com

Norway

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

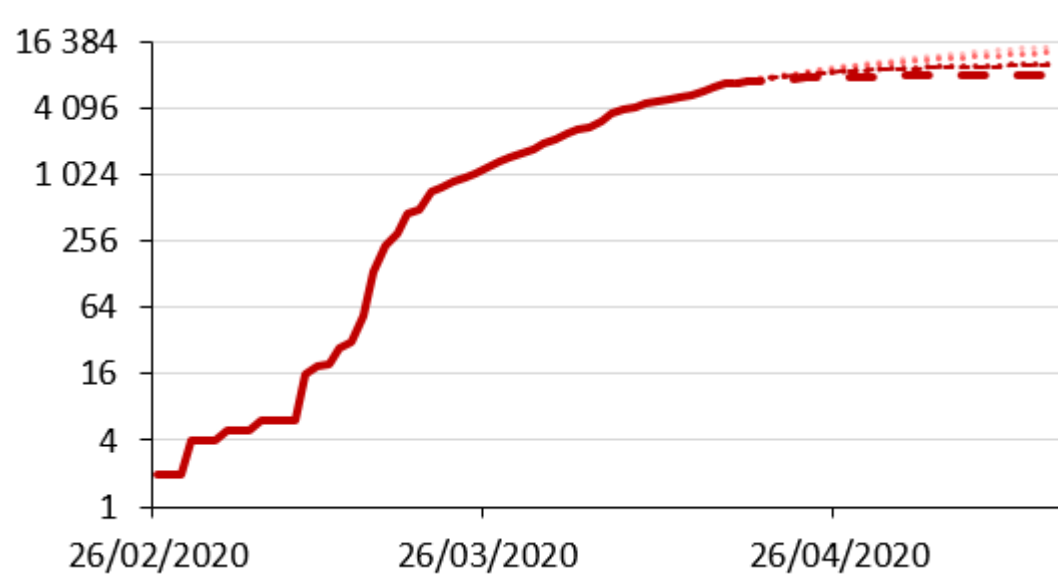


Data: The Johns Hopkins University, Politolog.com

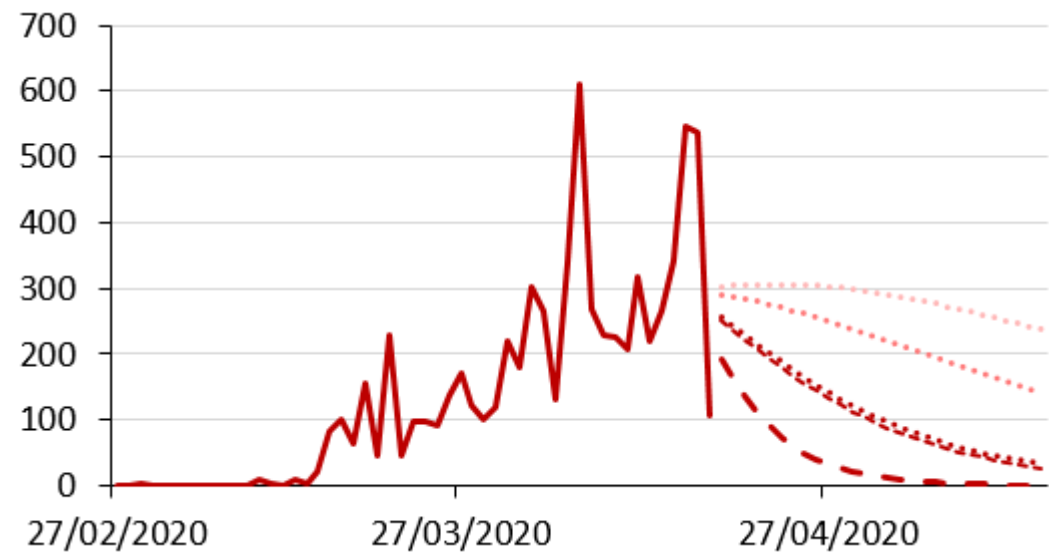
Pakistan

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

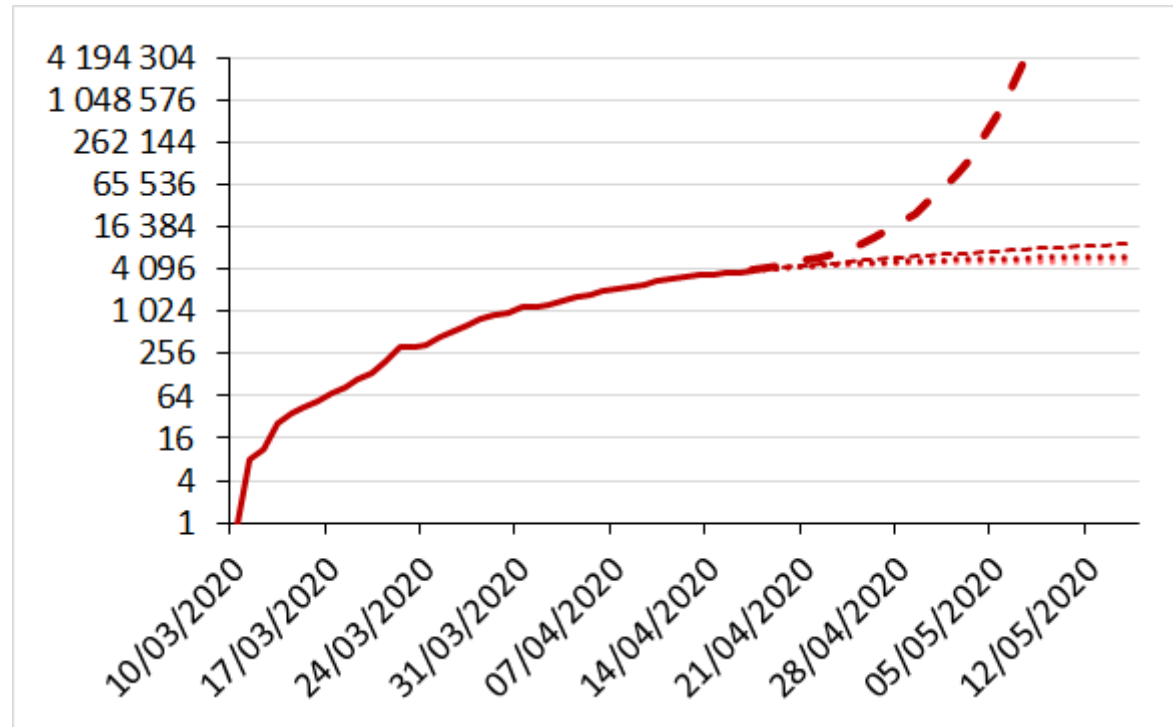


Data: The Johns Hopkins University, Politolog.com

Panama

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

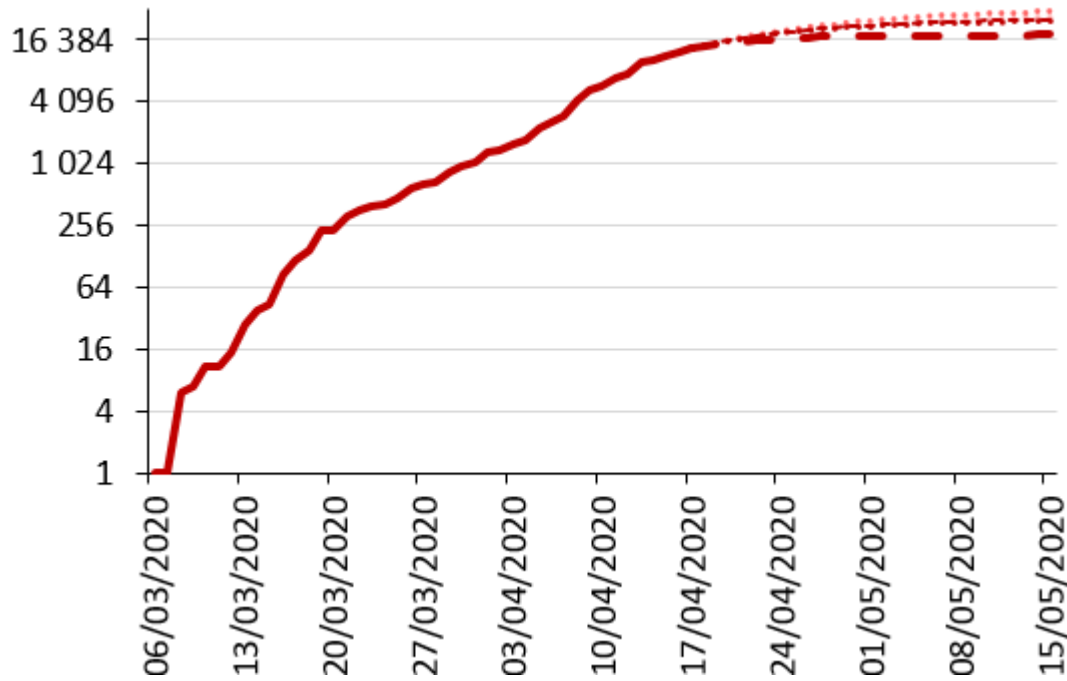


Data: The Johns Hopkins University, Politolog.com

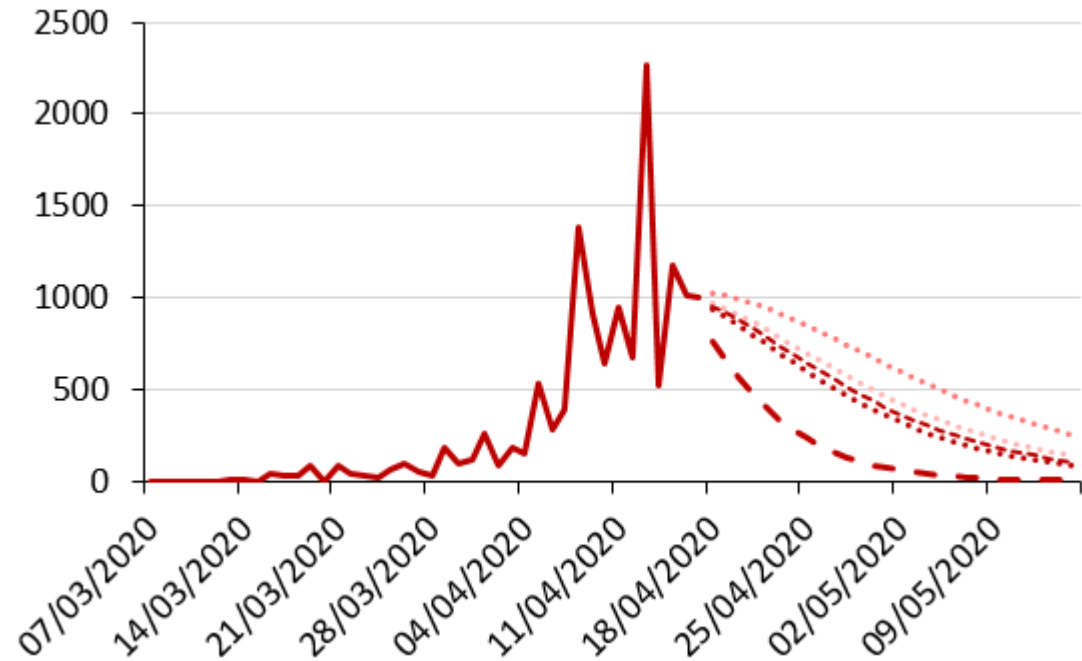
Peru

— CONFIRMED ····· 9 days'fit ····· 8 days'fit ····· 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated



Daily

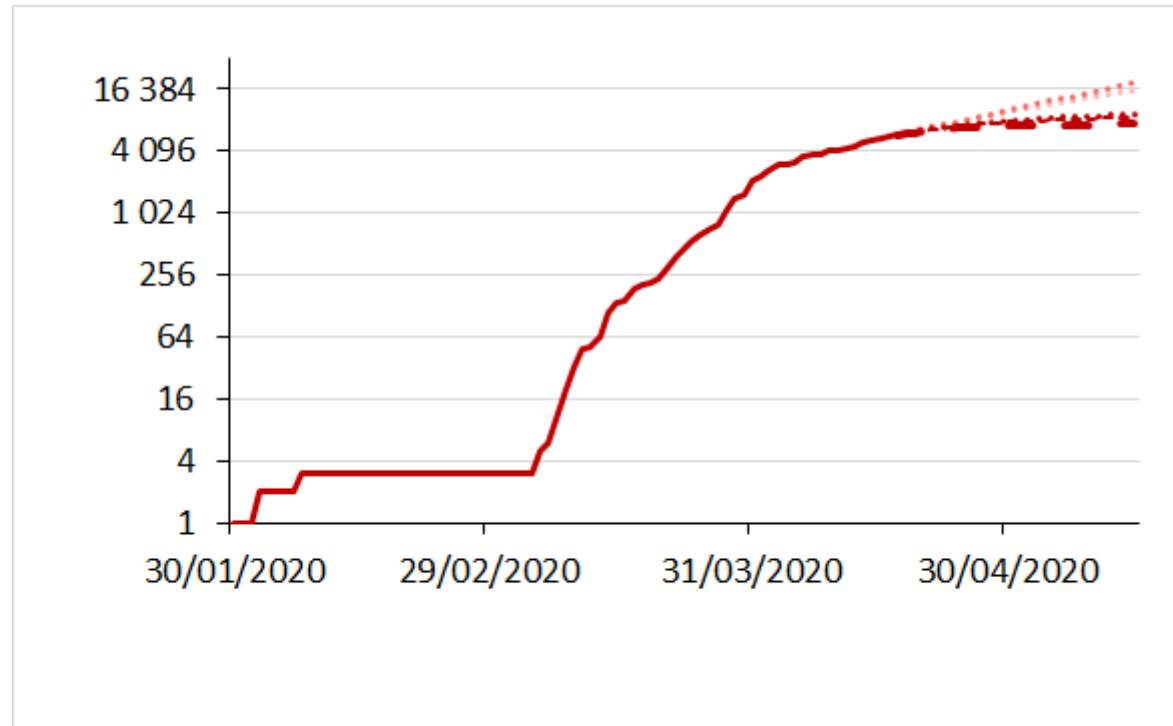


Data: The Johns Hopkins University, Politolog.com

Philippines

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

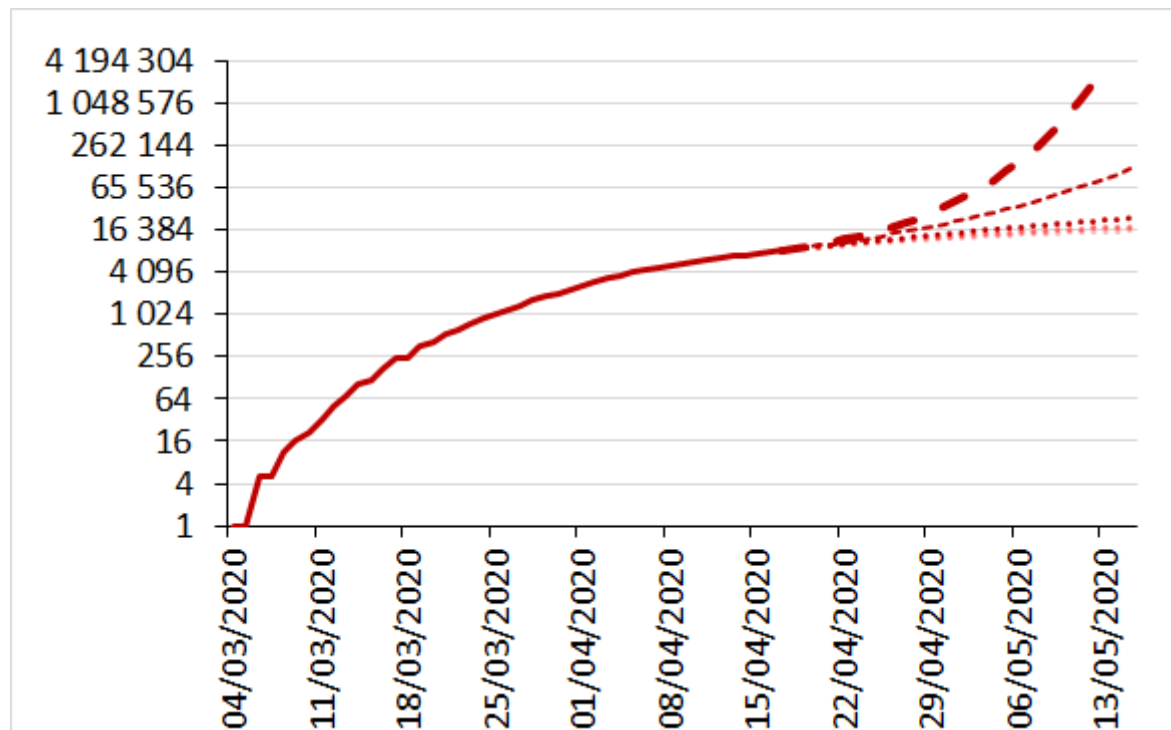


Data: The Johns Hopkins University, Politolog.com

Poland

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

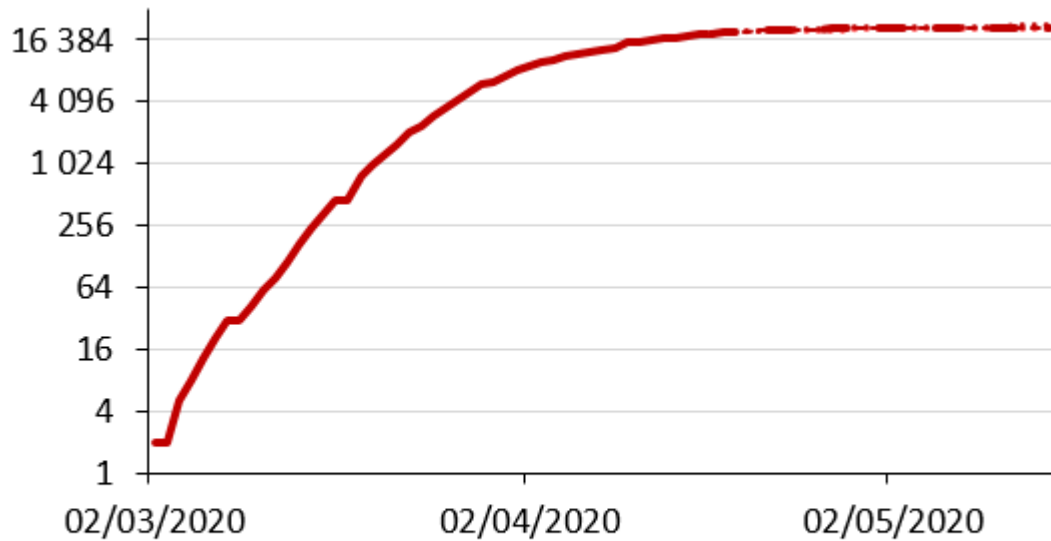


Data: The Johns Hopkins University, Politolog.com

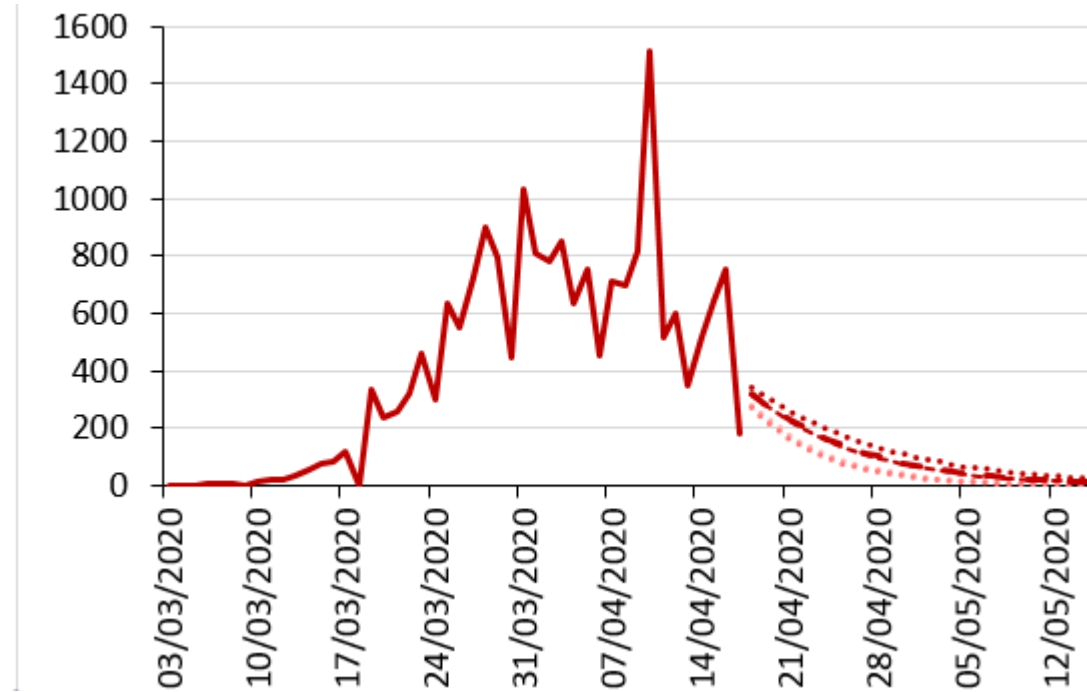
Portugal

CONFIRMED 9 days'fit 8 days'fit 7 days'fit 6 days'fit 5 days'fit

Cumulated



Daily

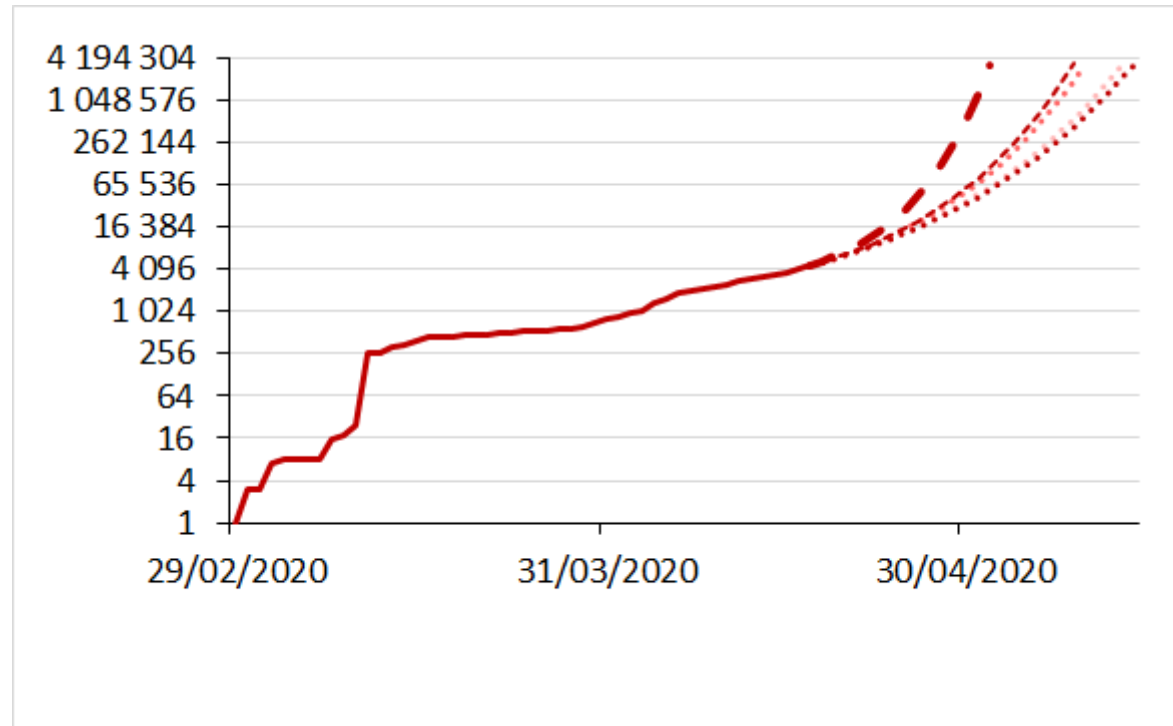


Data: The Johns Hopkins University, Politolog.com

Qatar

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

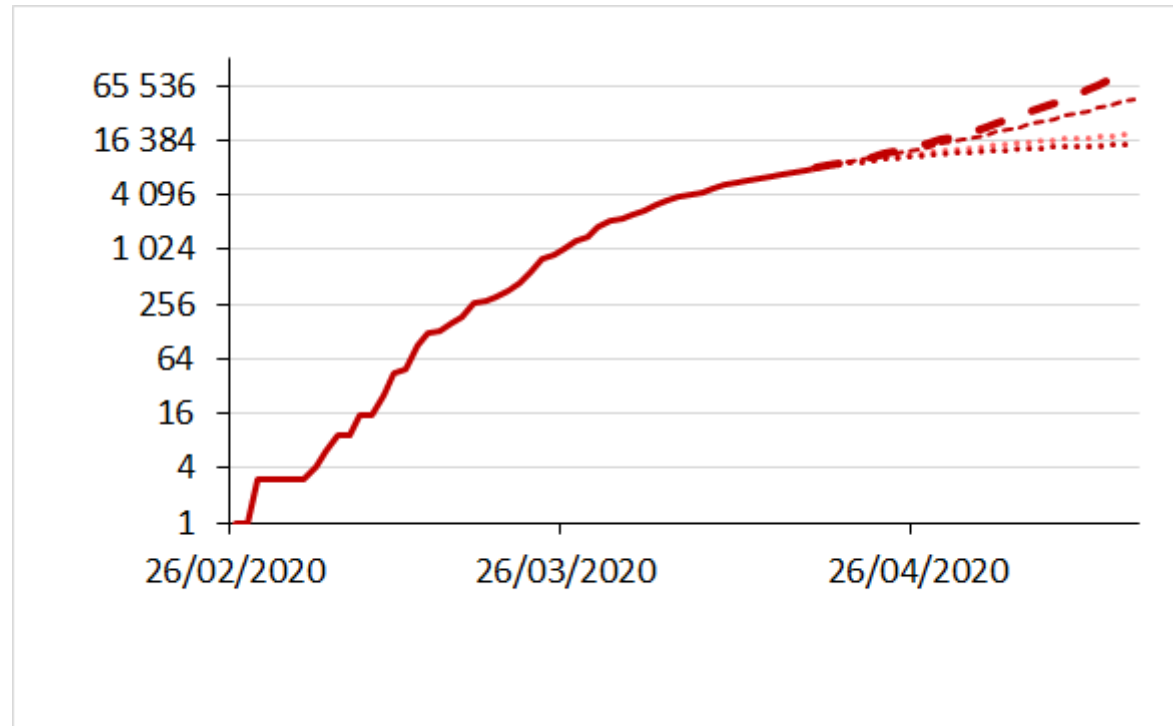


Data: The Johns Hopkins University, Politolog.com

Romania

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

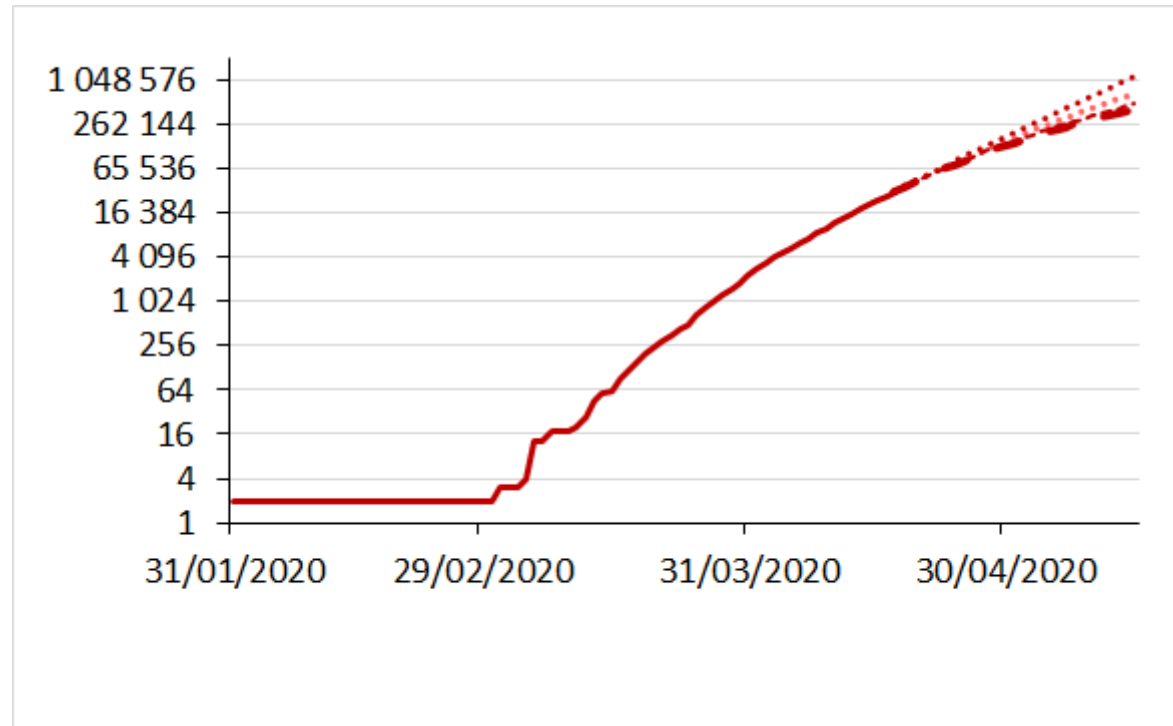


Data: The Johns Hopkins University, Politolog.com

Russia

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

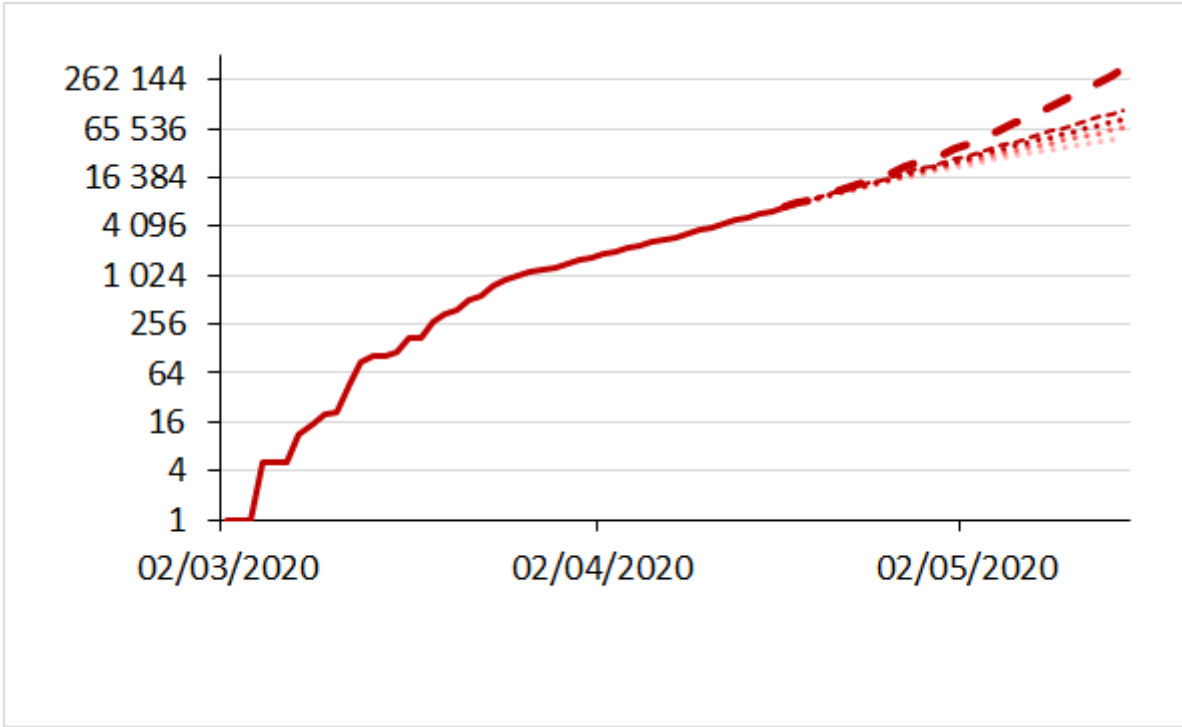


Data: The Johns Hopkins University, Politolog.com

Saudi Arabia

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

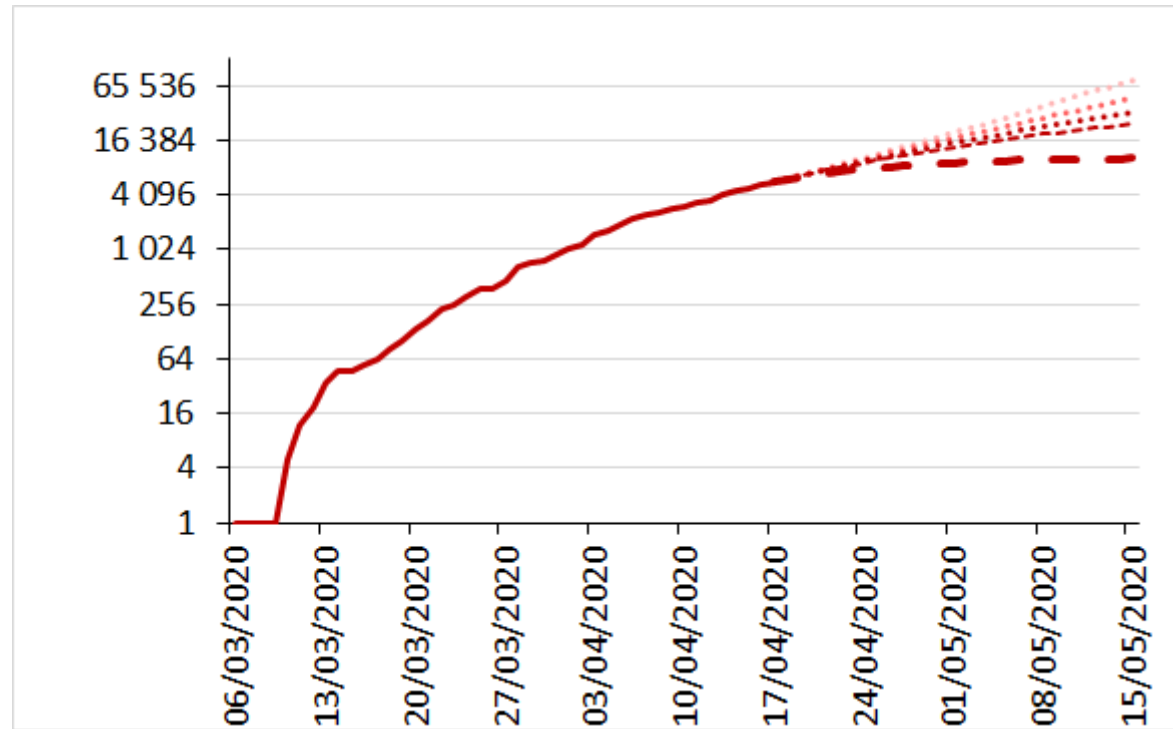


Data: The Johns Hopkins University, Politolog.com

Serbia

— CONFIRMED 9 days' fit 8 days' fit 7 days' fit - - - 6 days' fit - - - 5 days' fit

Cumulated

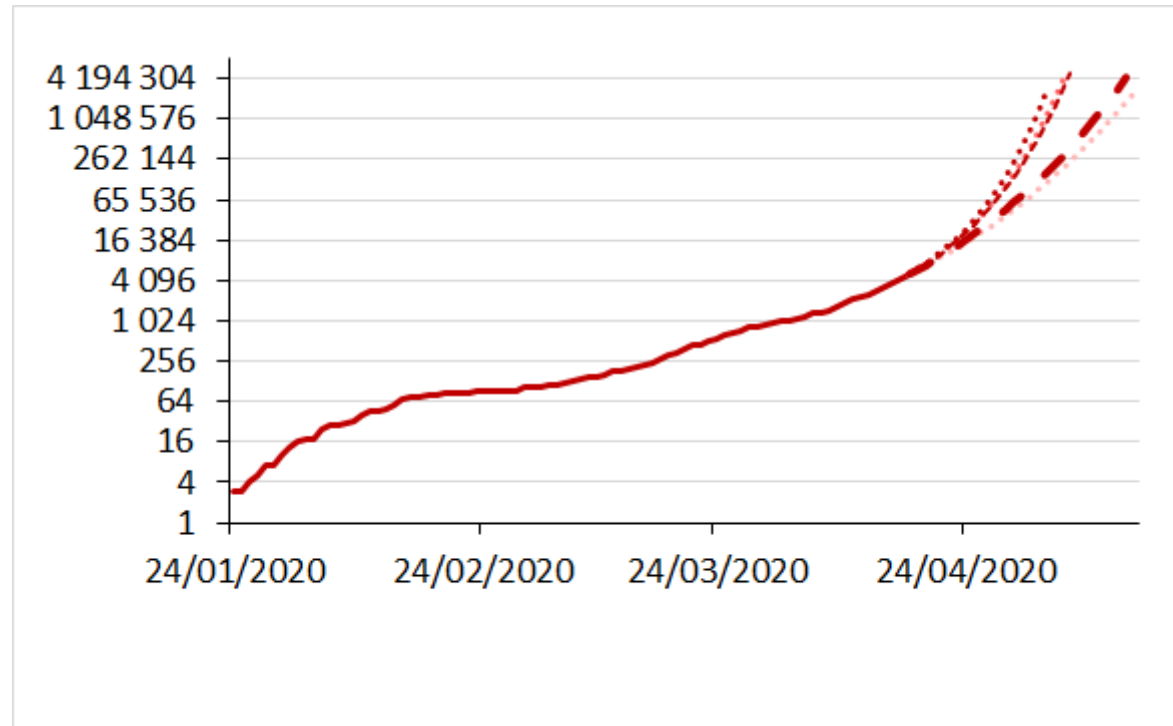


Data: The Johns Hopkins University, Politolog.com

Singapore

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

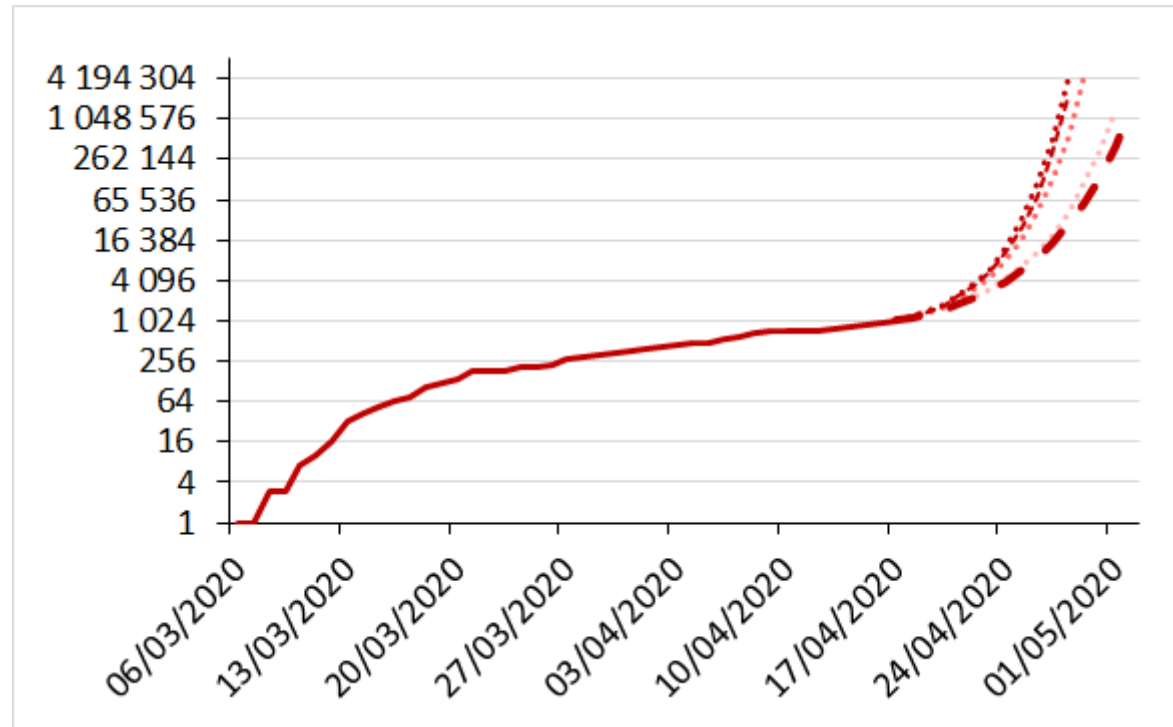


Data: The Johns Hopkins University, Politolog.com

Slovakia

— CONFIRMED ····· 9 days'fit ····· 8 days'fit ····· 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

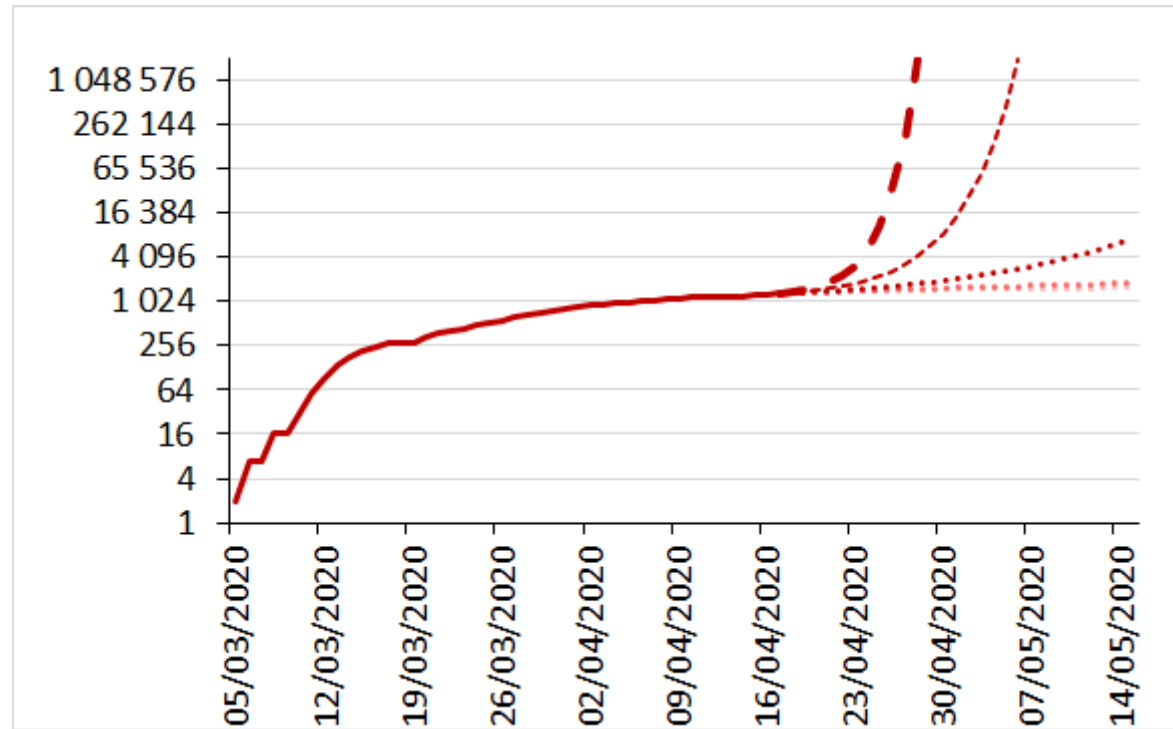


Data: The Johns Hopkins University, Politolog.com

Slovenia

— CONFIRMED 9 days' fit 8 days' fit 7 days' fit - - - - 6 days' fit - - - - 5 days' fit

Cumulated



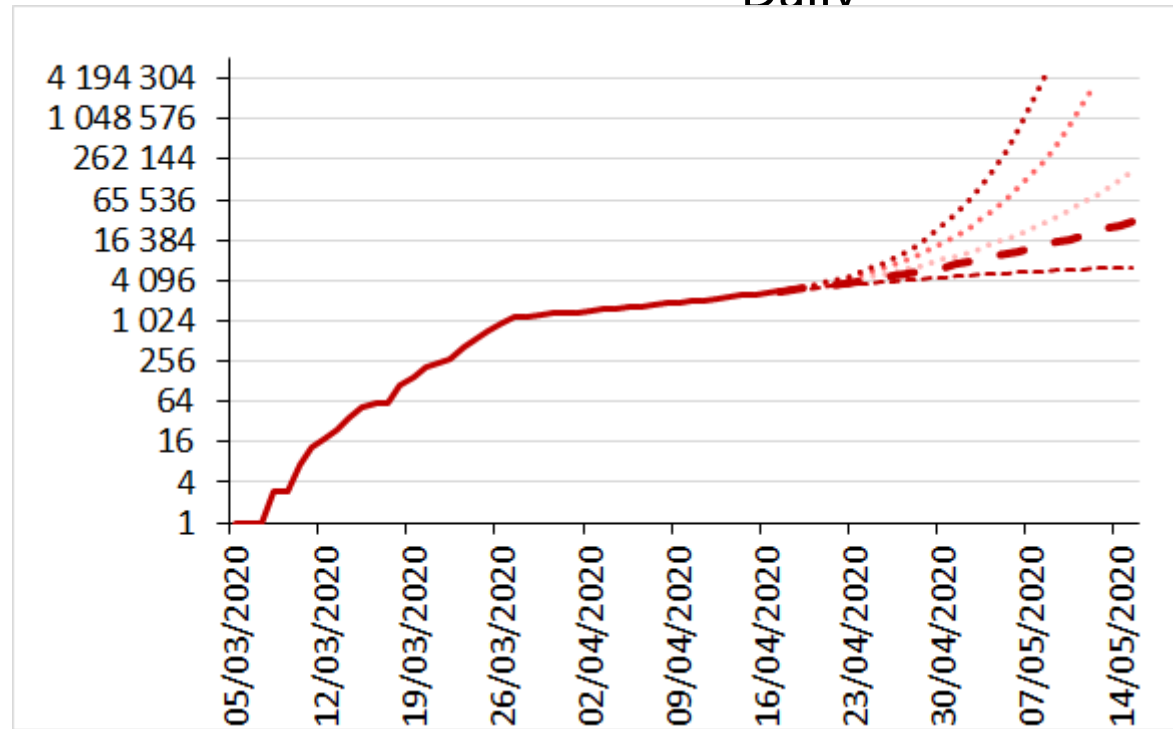
Data: The Johns Hopkins University, Politolog.com

South Africa

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

Daily

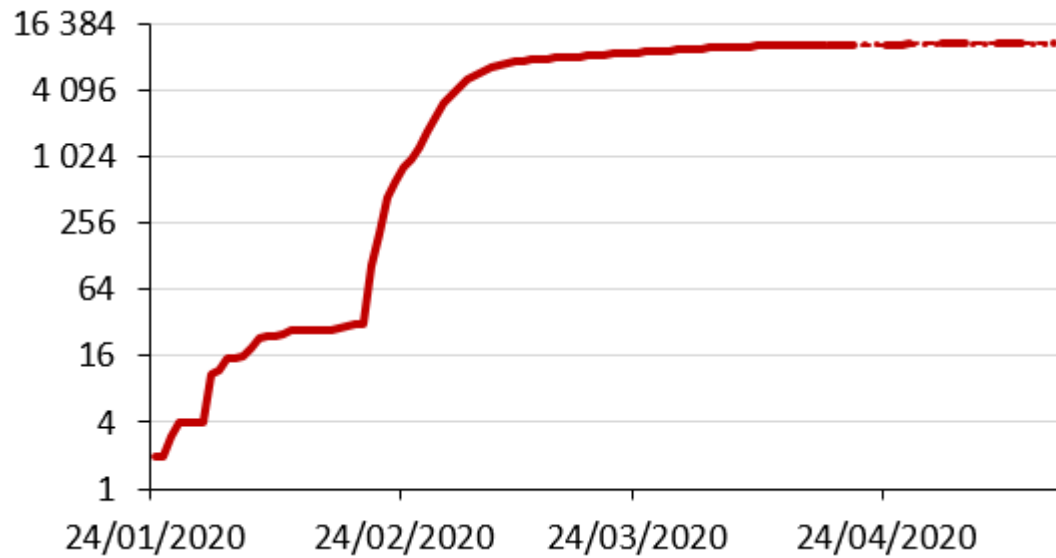


Data: The Johns Hopkins University, Politolog.com

South Korea

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated



Daily

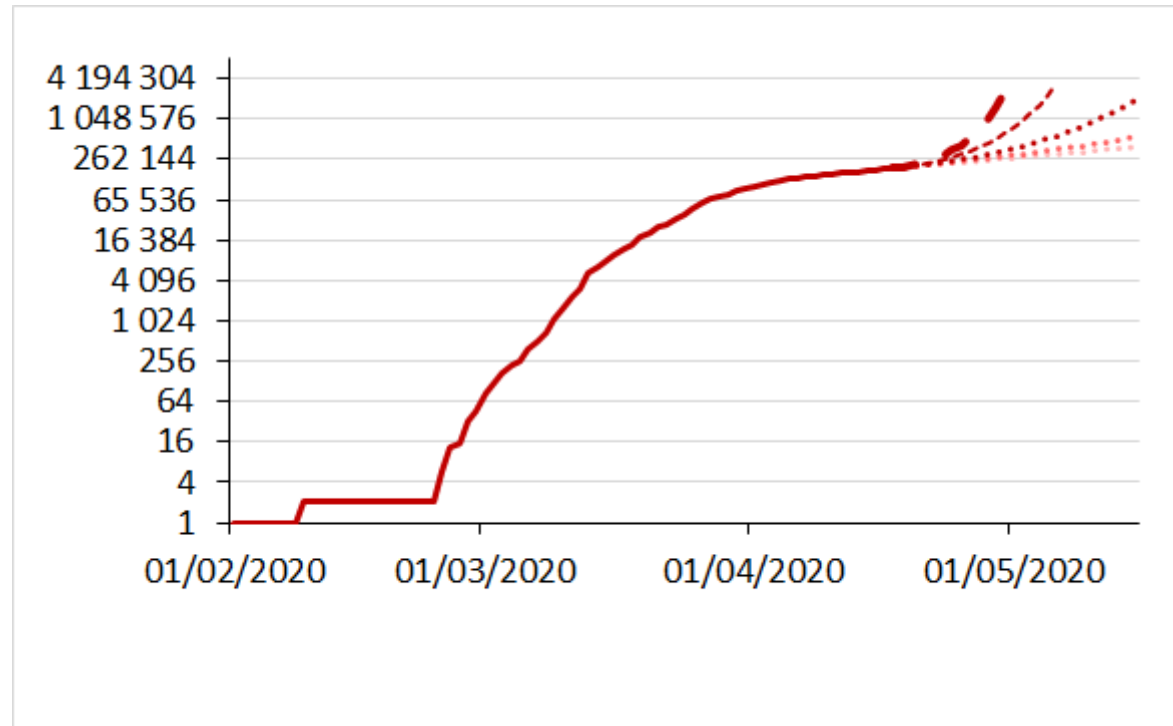


Data: The Johns Hopkins University, Politolog.com

Spain

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

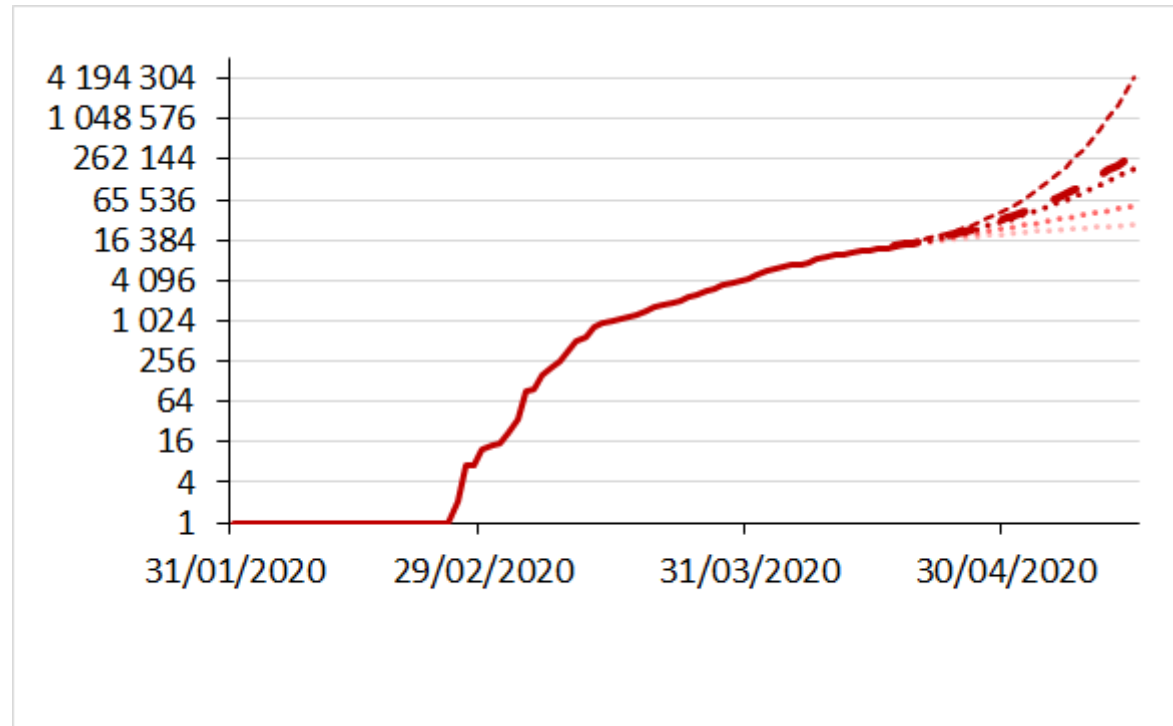


Data: The Johns Hopkins University, Politolog.com

Sweden

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

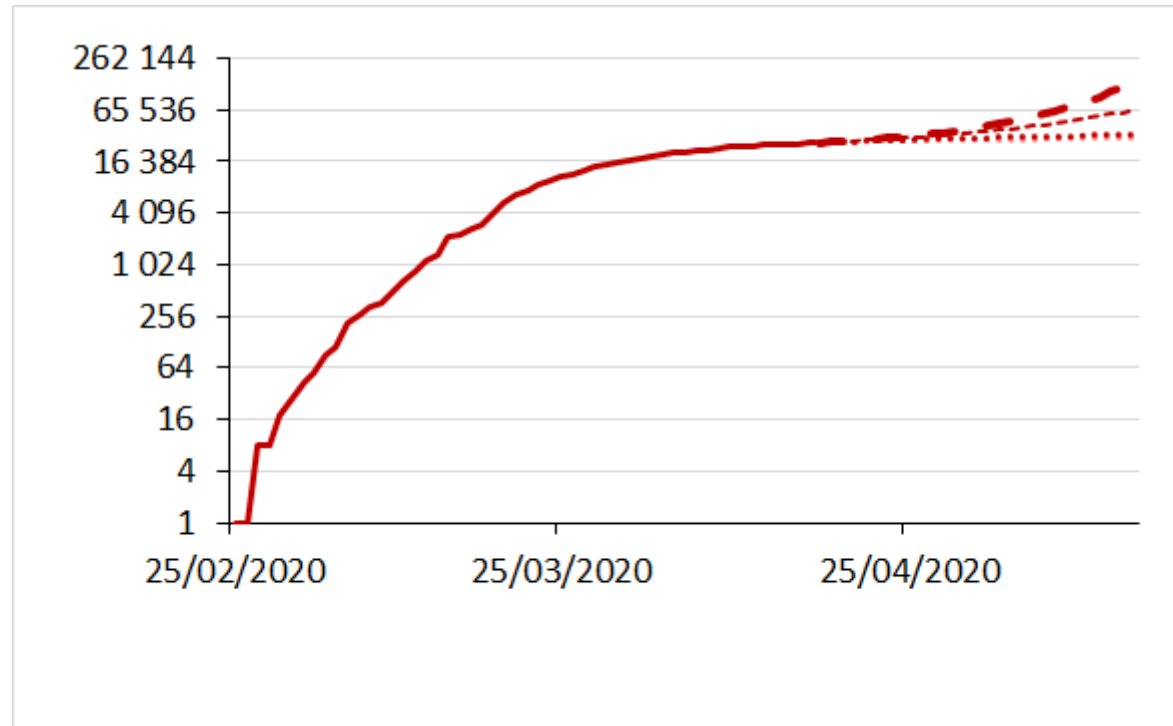


Data: The Johns Hopkins University, Politolog.com

Switzerland

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

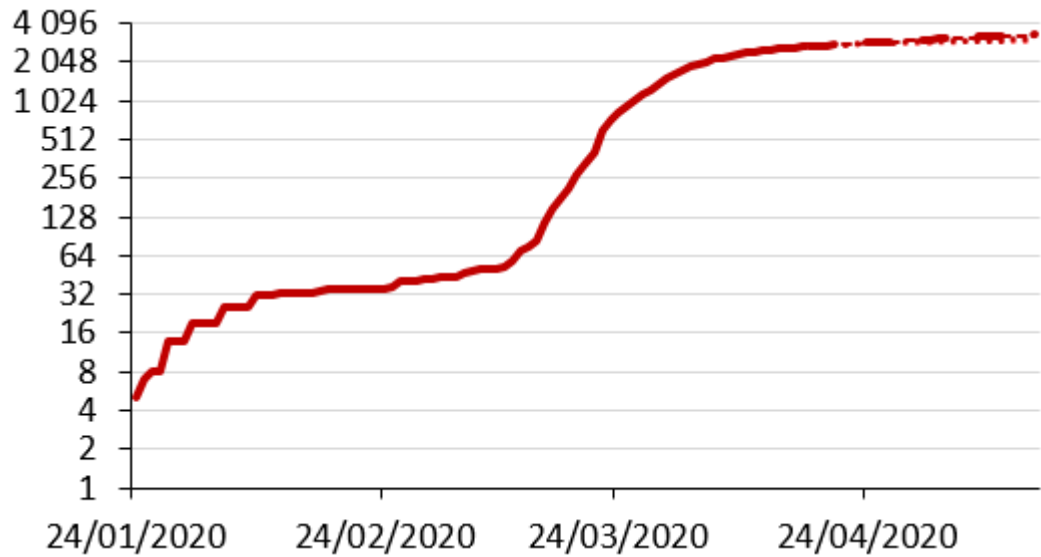


Data: The Johns Hopkins University, Politolog.com

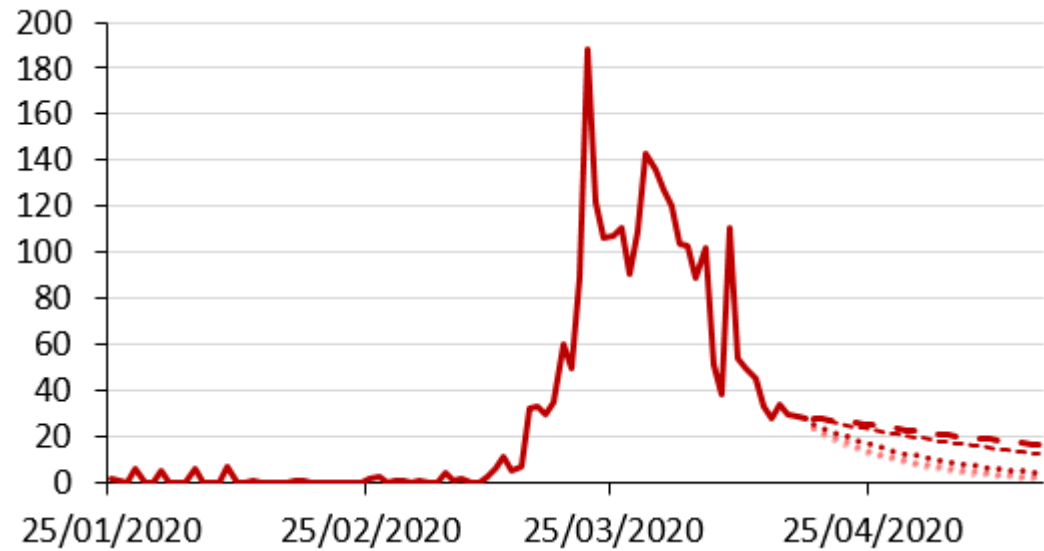
Thailand

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

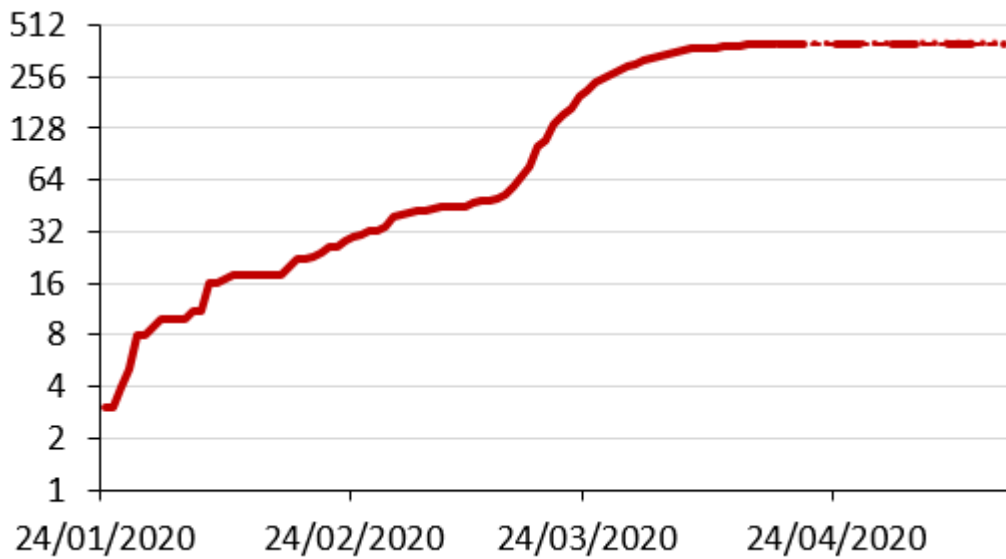


Data: The Johns Hopkins University, Politolog.com

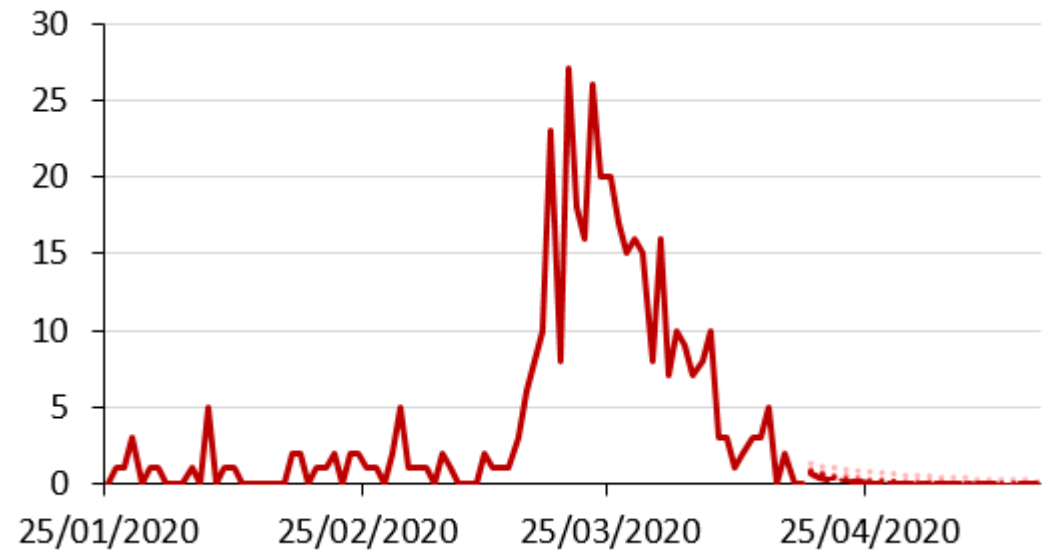
Taiwan

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated



Daily

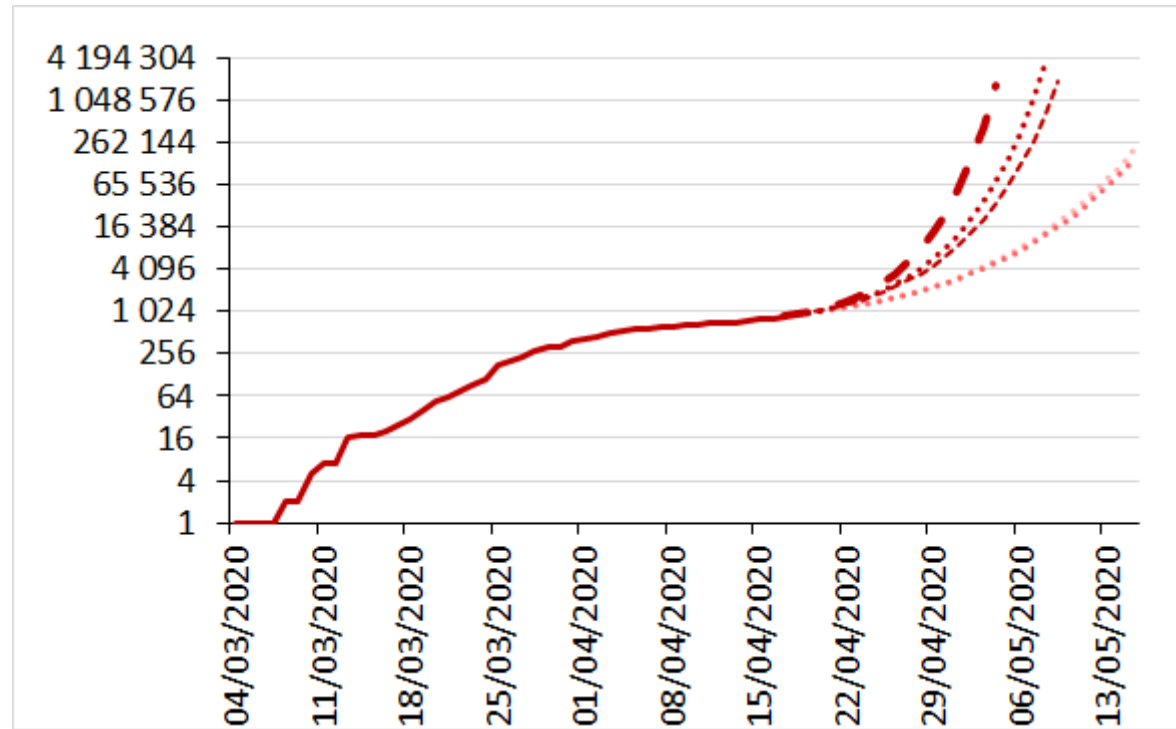


Data: The Johns Hopkins University, Politolog.com

Tunisia

— CONFIRMED ····· 9 days'fit ····· 8 days'fit ····· 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

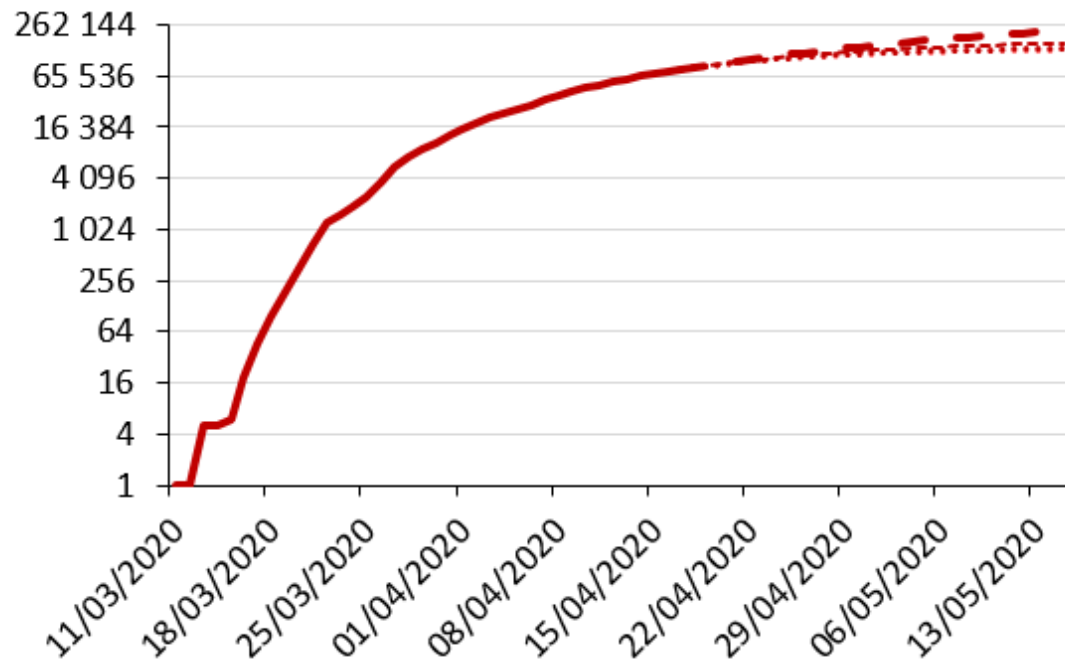


Data: The Johns Hopkins University, Politolog.com

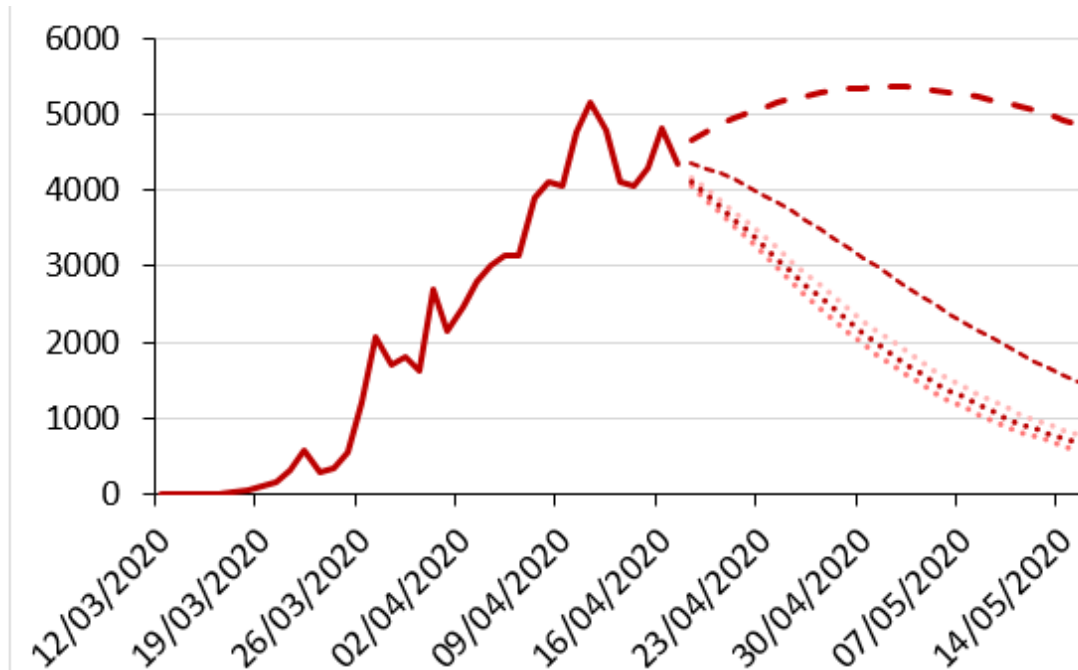
Turkey

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated



Daily

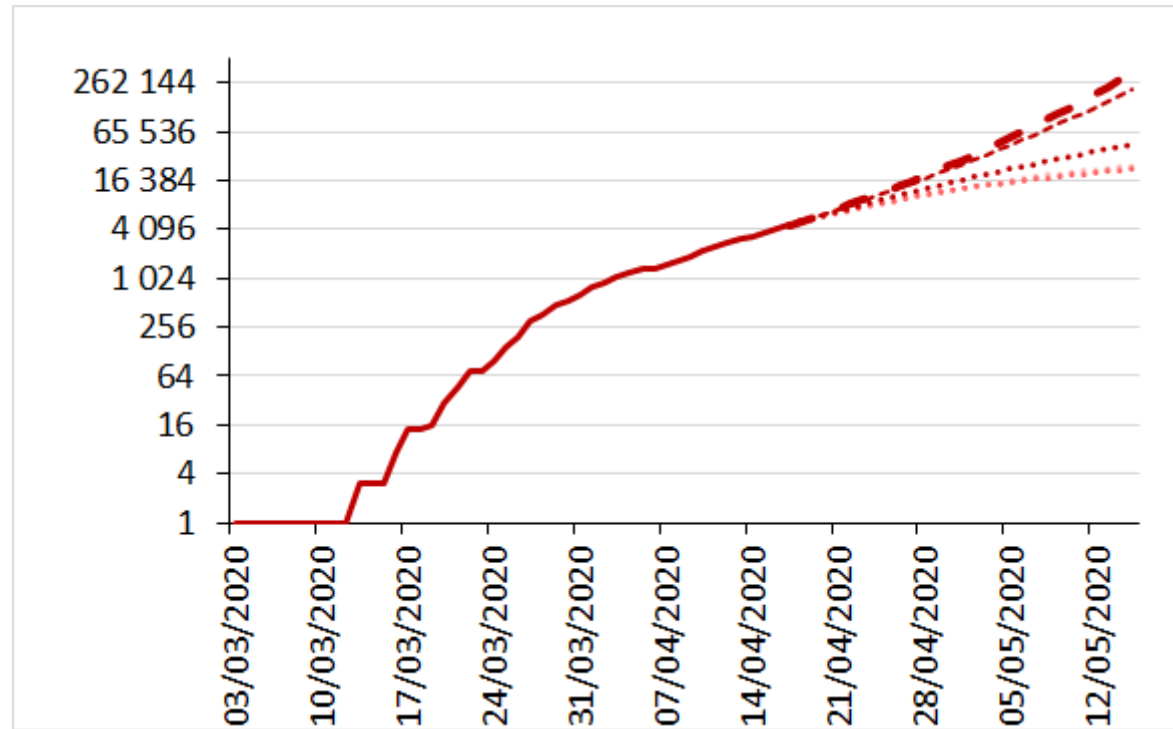


Data: The Johns Hopkins University, Politolog.com

Ukraine

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

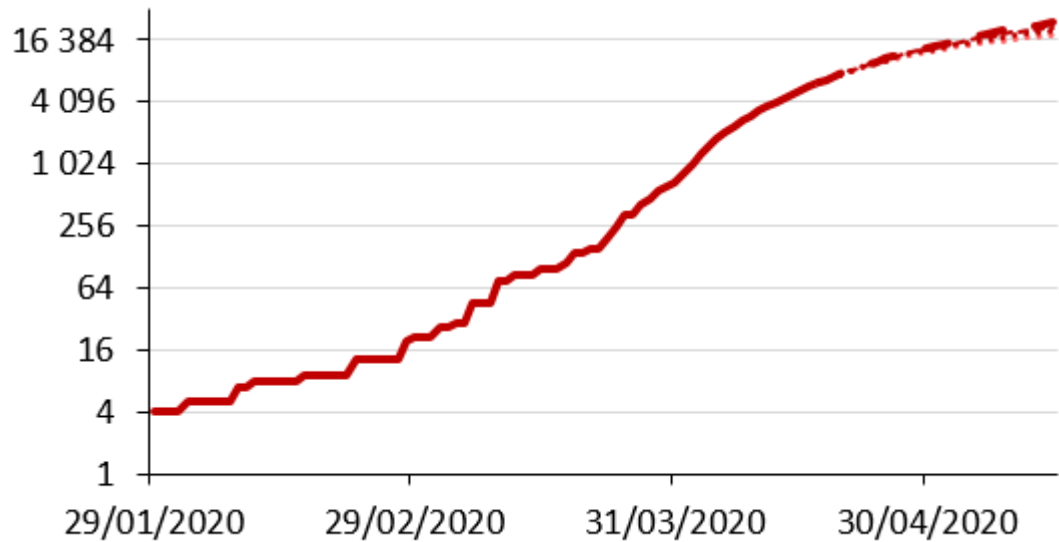


Data: The Johns Hopkins University, Politolog.com

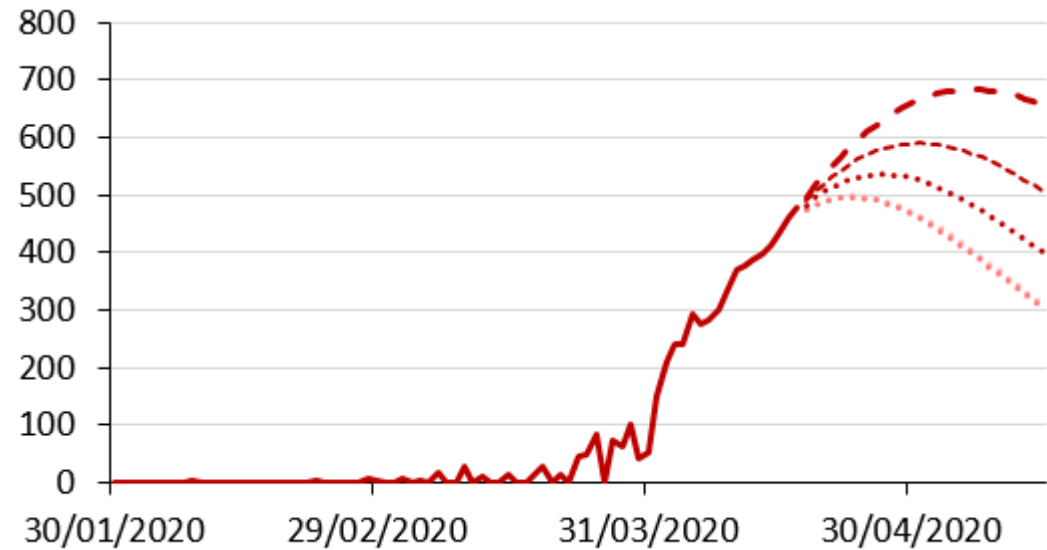
United Arab Emirates

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated



Daily

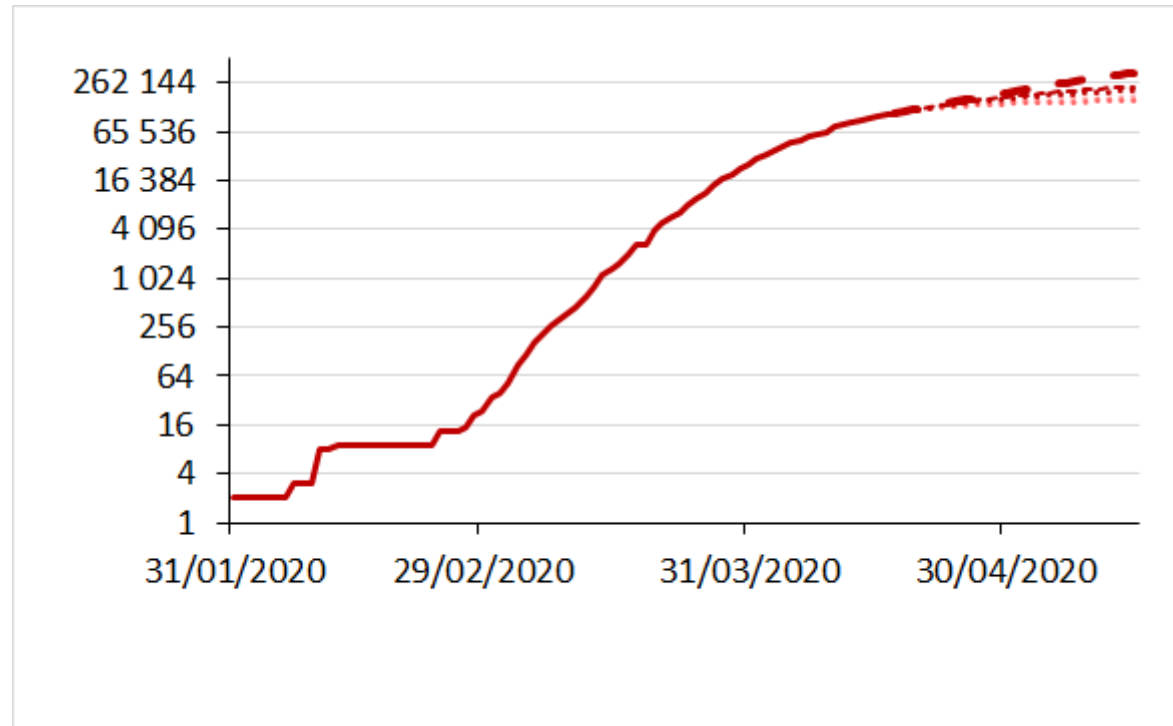


Data: The Johns Hopkins University, Politolog.com

United Kingdom

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated

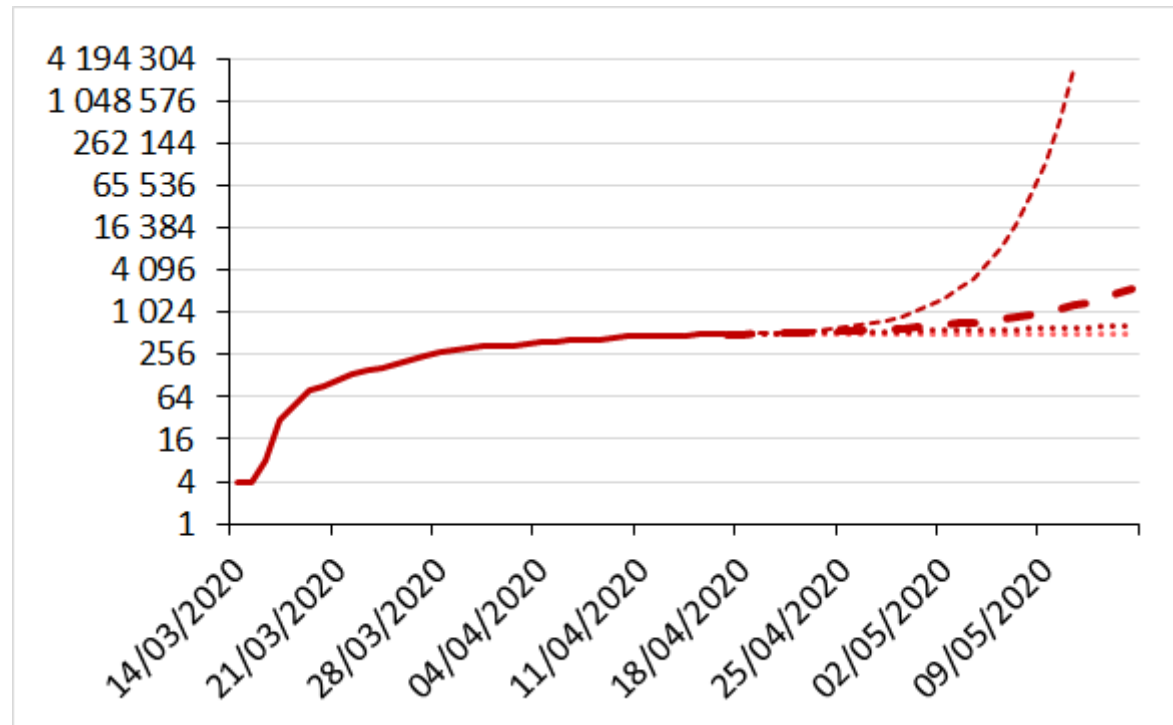


Data: The Johns Hopkins University, Politolog.com

Uruguay

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - 6 days'fit - - - 5 days'fit

Cumulated

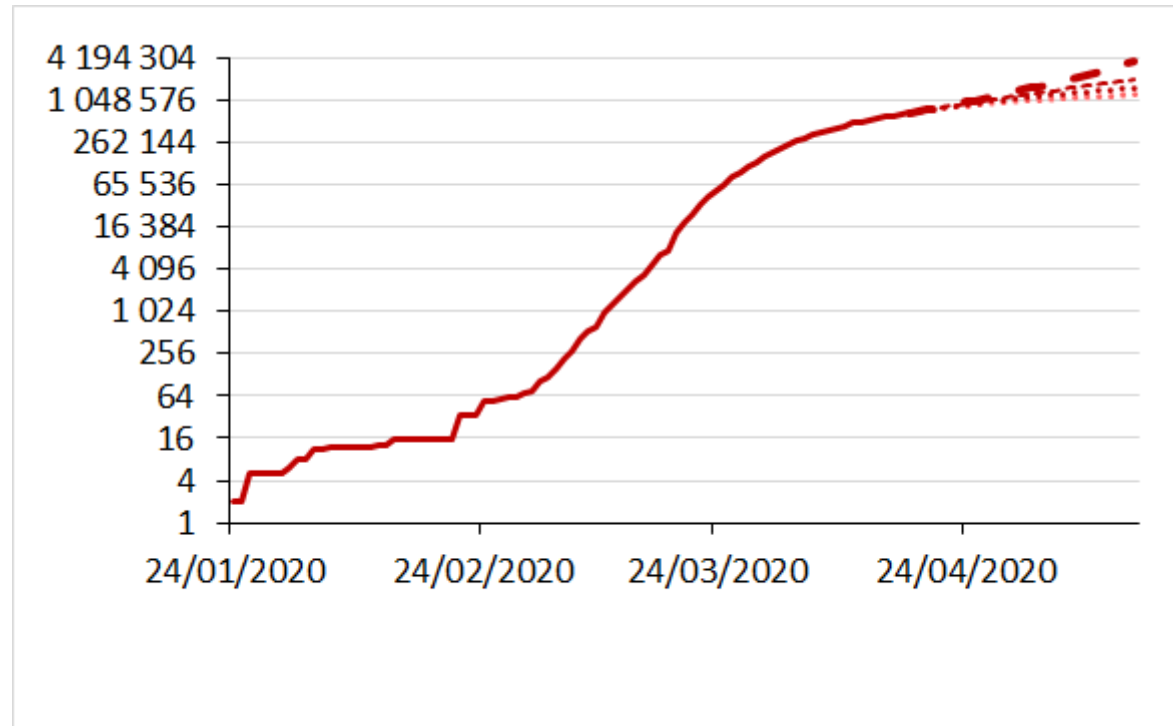


Data: The Johns Hopkins University, Politolog.com

USA

— CONFIRMED 9 days'fit 8 days'fit 7 days'fit - - - - 6 days'fit - - - - 5 days'fit

Cumulated



Data: The Johns Hopkins University, Politolog.com



Gavekal Intelligence Software

Contact

Tel: +33 7 85 82 18 03

Email: ddarcet@gavekal.com

Paris Office

27bis rue Copernic
75116 Paris
France

Nice Office

Le Consul - 37 Boulevard Dubouchage
06000 Nice
France

www.gavekal-intelligence-software.com