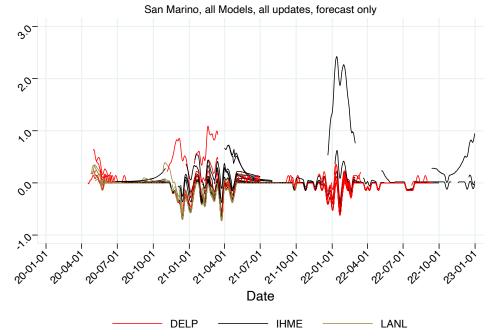


#### C19 daily deaths error



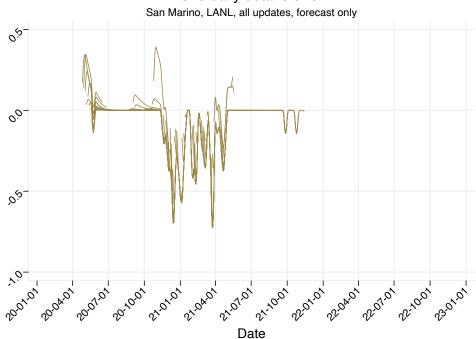
San Marino, DELP, all updates, forecast only ν<sub>0</sub>-Daily deaths error measure 0; 00-ئي ر potal pokal polal proal ratal rakal ratal rical potal pokal polal proal potal Date

C19 daily deaths error

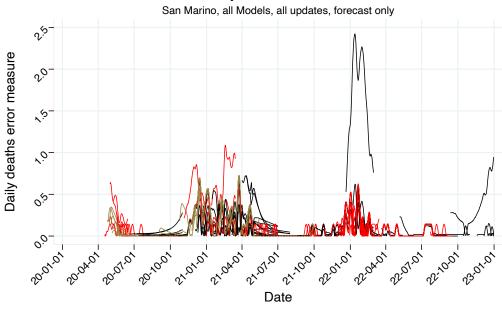
# C19 daily deaths error San Marino, IHME, all updates, forecast only გ<sup>ე−</sup> Daily deaths error measure ₽.Oνo-00-Y0ratal production rate rate rate rise per para para para

Daily deaths error measure

#### C19 daily deaths error



#### C19 daily deaths absolute error



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C19 daily deaths absolute error San Marino, DELP, all updates, forecast only νo-Daily deaths error measure 0,8-00 0<sub>,</sub> 03-Date

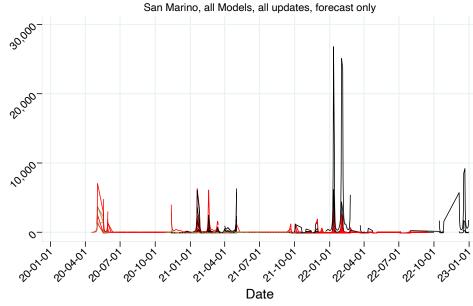
C19 daily deaths absolute error San Marino, IHME, all updates, forecast only ა<sub>.</sub> \$<sub>0</sub>\_ Daily deaths error measure √. . . √*ò*\_ 0.2 Date

San Marino, LANL, all updates, forecast only 0.8-Daily deaths error measure 0.6-O'V. 05. 200 tal 201 al 2

Date

C19 daily deaths absolute error

#### C19 daily deaths percent error



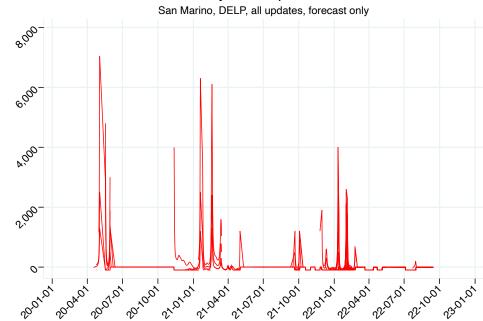
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**DELP** 

Daily deaths error measure

#### C19 daily deaths percent error

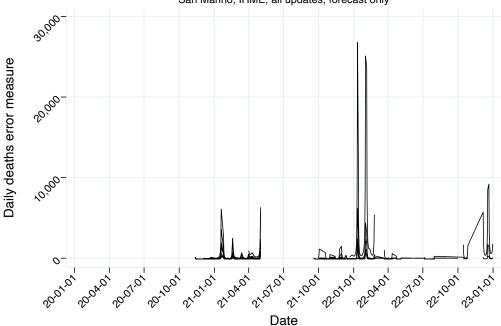


Date

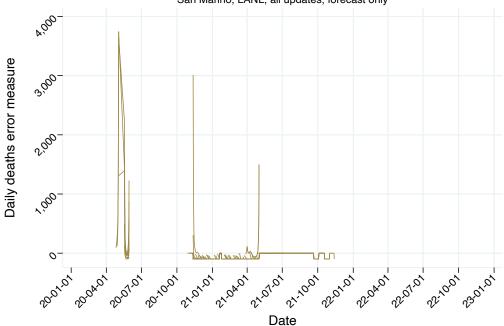
Daily deaths error measure

### C19 daily deaths percent error

San Marino, IHME, all updates, forecast only



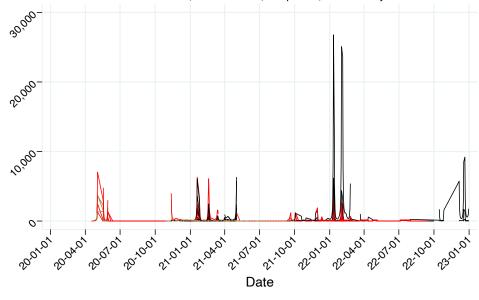
#### C19 daily deaths percent error San Marino, LANL, all updates, forecast only



#### C19 daily deaths absolute percent error San Marino, ALL MODELS, all updates, forecast only

**DELP** 

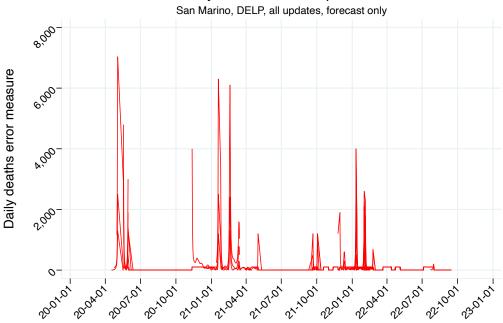
Daily deaths error measure



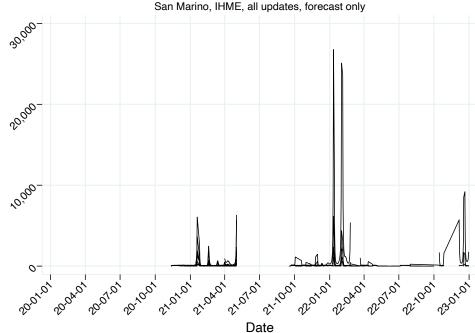
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#### C19 daily deaths absolute percent error



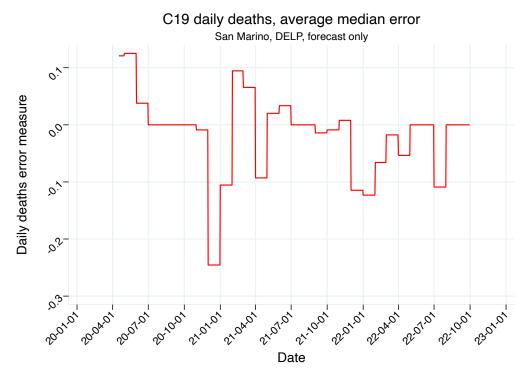
## C19 daily deaths absolute percent error

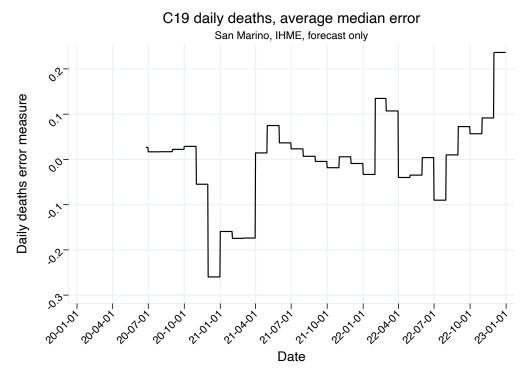


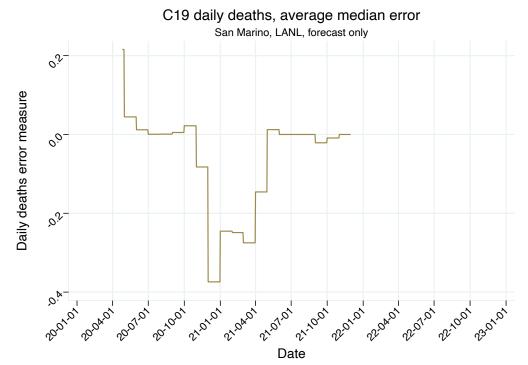
Daily deaths error measure

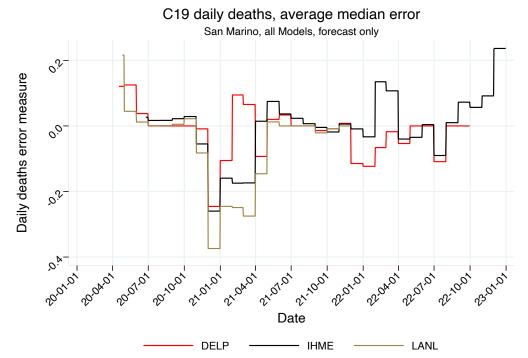
# C19 daily deaths absolute percent error San Marino, LANL, all updates, forecast only Daily deaths error measure

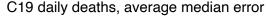
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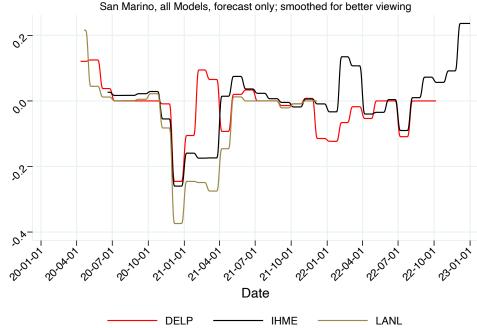












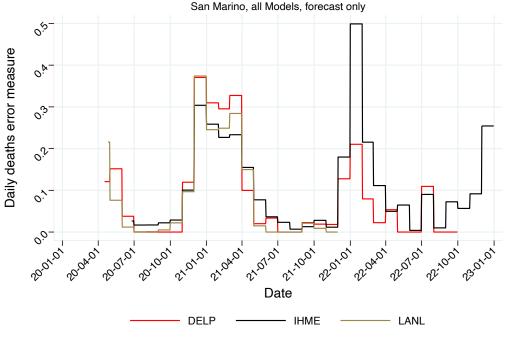
Daily deaths error measure

C19 daily deaths, average median absolute error San Marino, DELP, forecast only 0<sub>k\_</sub> Daily deaths error measure 0.5\_ 05-0, 2001 and 2012 and 201

C19 daily deaths, average median absolute error San Marino, IHME, forecast only 0.2 Daily deaths error measure  $o_{\dot{\nu}_-}$ رني\_ ر 05-0, 2001 and 2011 and 201

C19 daily deaths, average median absolute error San Marino, LANL, forecast only 0<sub>k\_</sub> Daily deaths error measure 0.5\_ 02 0, polo poko polo propi rako rako ralo ricon polo poko polo propi polo

C19 daily deaths, average median absolute error



C19 daily deaths, average median absolute error San Marino, all Models, forecast only; smoothed for better viewing 0. 20 Daily deaths error measure 0, رن<sub>ی –</sub> 02-0, gara' Date

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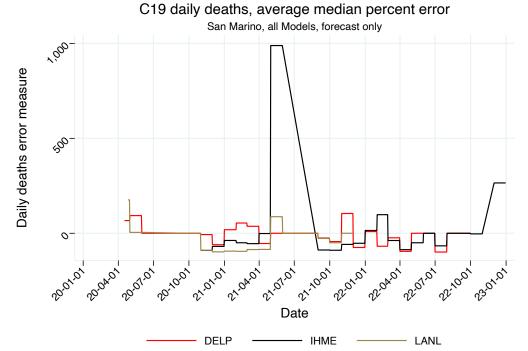
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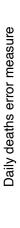
**DELP** 

C19 daily deaths, average median percent error San Marino, DELP, forecast only *-00,* Daily deaths error measure *γ*ο-0-‰-

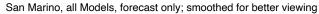
C19 daily deaths, average median percent error San Marino, IHME, forecast only 100-800-Daily deaths error measure 600-200 200-0potal pokal potal praal rakal rakal ratal ritool pakal rakal ritool pakal Date

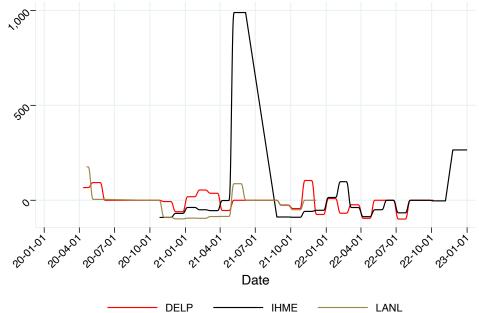
C19 daily deaths, average median percent error San Marino, LANL, forecast only 200-Daily deaths error measure *-00,* 0para paka para pran rata raka riala riaa paka paka paka para sisaa





#### C19 daily deaths, average median percent error





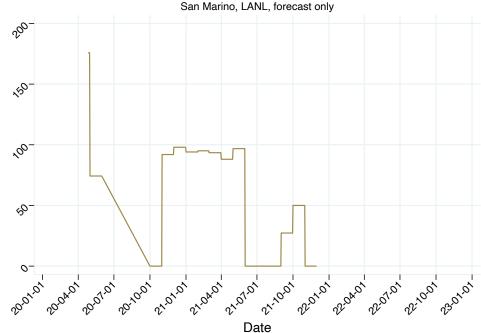
C19 daily deaths, average median absolute percent error San Marino, DELP, forecast only 160-Daily deaths error measure ,00-%οpaia paka pala praa paka pala praka paka pala paka pala praa pala

Date

C19 daily deaths, average median absolute percent error San Marino, IHME, forecast only Daily deaths error measure 800-600-MO\_ 200-0potat potat potat prant patat patat prant patat patat patat prant patat

Date

C19 daily deaths, average median absolute percent error



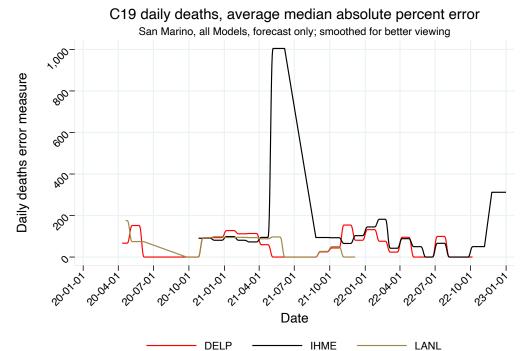
Daily deaths error measure

C19 daily deaths, average median absolute percent error San Marino, all Models, forecast only 100-Daily deaths error measure 800-60-100. 200-0-Date

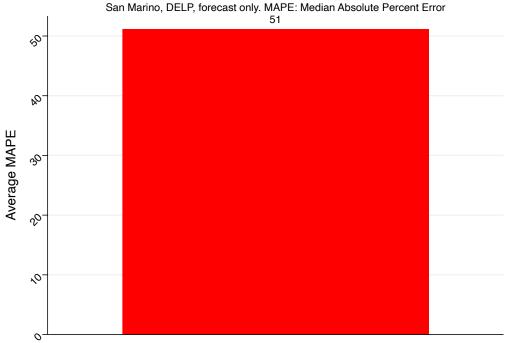
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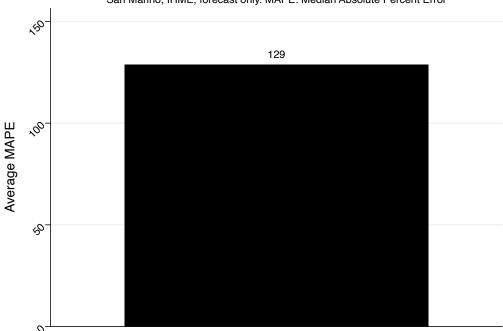
**DELP** 



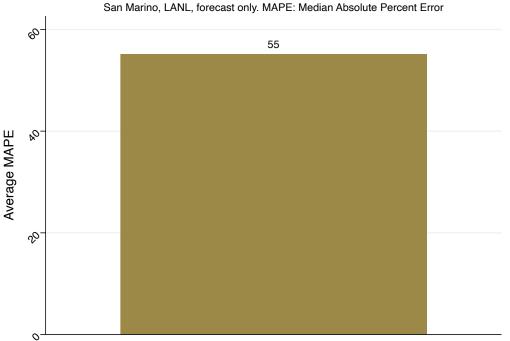
C19 daily deaths average MAPE over updates and calendar months

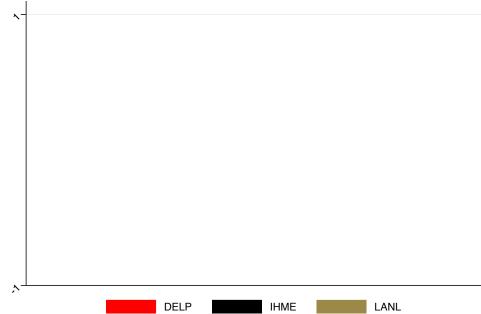


C19 daily deaths average MAPE over updates and calendar months
San Marino, IHME, forecast only. MAPE: Median Absolute Percent Error



C19 daily deaths average MAPE over updates and calendar months





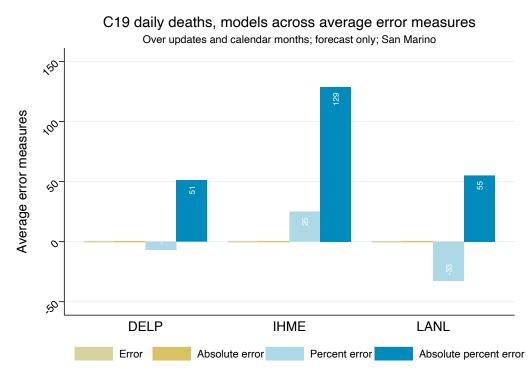
Average Mean Error

C19 daily deaths average of Absolute Error

## C19 daily deaths average of Percent Error



## C19 daily deaths average of Absolute Percent Error Over updates and calendar months; forecast only; San Marino Average Absolute Percent Error ·00, 80-0 **DELP** IHME LANL



C19 daily deaths, average of error measures across models Over updates and calendar months; forecast only; San Marino Average error measures ,00-SO. 25 0δo. Error Absolute Error Percent Error Absolute % Error **DELP IHME** LANL