

C19 daily deaths error Peru, all Models, all updates, forecast only \*0000-Daily deaths error measure 30,00 50000-10,00\_ 0-Date **DELP** IHME **IMPE** 

**UCLA** 

YYGU

LANL

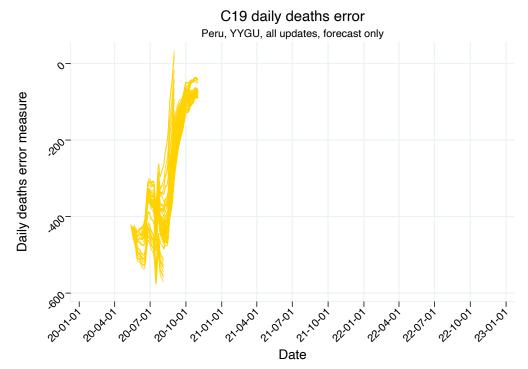
C19 daily deaths error Peru, DELP, all updates, forecast only \*0000-Daily deaths error measure 30,00 50,00 10000para paka para pran rata raka raia ripar pata paka pala prana Date

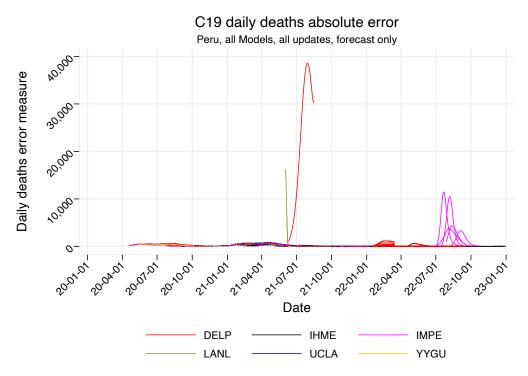
C19 daily deaths error Peru, IHME, all updates, forecast only 200-Daily deaths error measure 0-300-,NOO--003, Date

C19 daily deaths error Peru, IMPE, all updates, forecast only 15,000-Daily deaths error measure 10000-2000-0para paka para pran rata raka raia ripar pata paka pala prana Date

C19 daily deaths error Peru, LANL, all updates, forecast only 12,000-Daily deaths error measure 10000-2000-0pain pakai pain pian rakai rakai rain rakai pakai pakai pakai pain Date

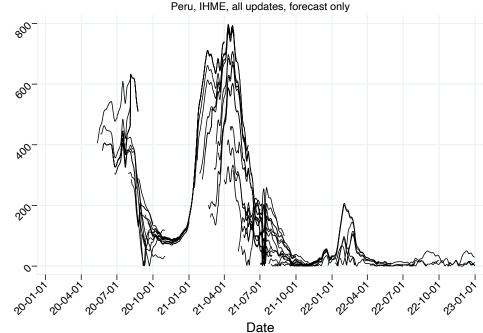
C19 daily deaths error Peru, UCLA, all updates, forecast only 0-Daily deaths error measure 200-,400-,00°\_ Date





C19 daily deaths absolute error Peru, DELP, all updates, forecast only \*0000-Daily deaths error measure 30,00\_ pain para pain prai trata tara trata Date

### C19 daily deaths absolute error

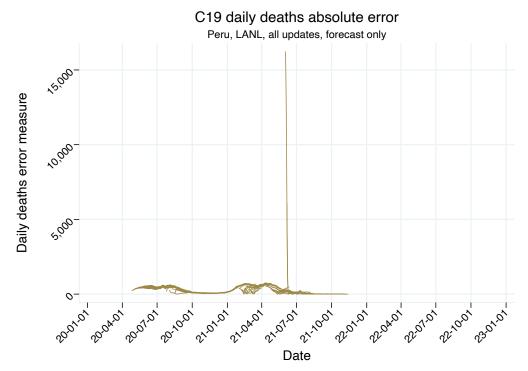


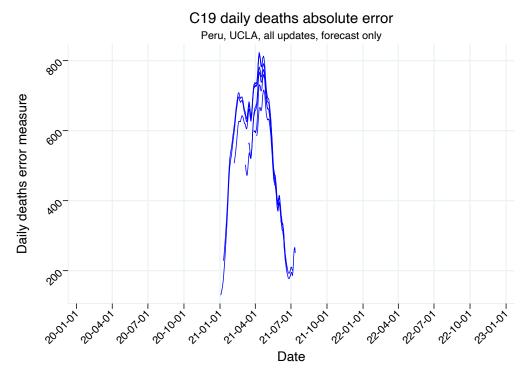
Daily deaths error measure

Peru, IMPE, all updates, forecast only Daily deaths error measure 10,00 2001 al 2004 al 2010 a

C19 daily deaths absolute error

Date

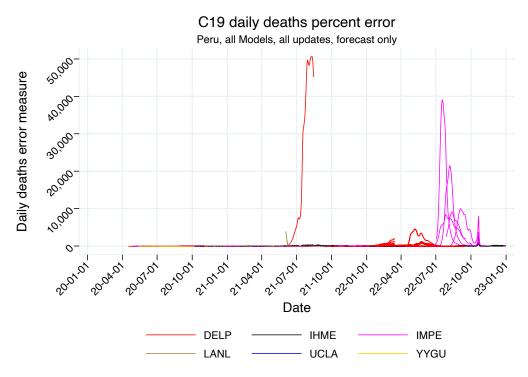




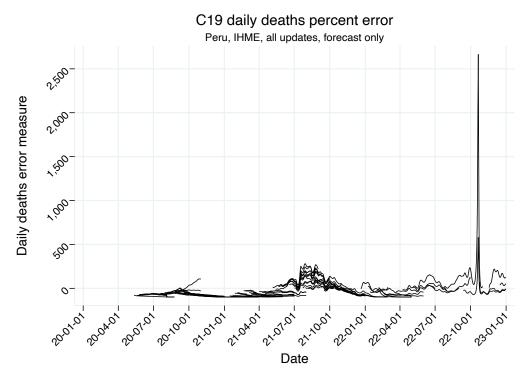
Peru, YYGU, all updates, forecast only 600-Daily deaths error measure MO-200potal pakal palal proal ratal rakal ralal ritaal potal potal palal proal potal

Date

C19 daily deaths absolute error

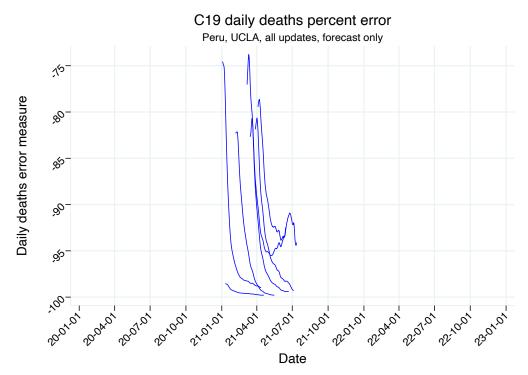


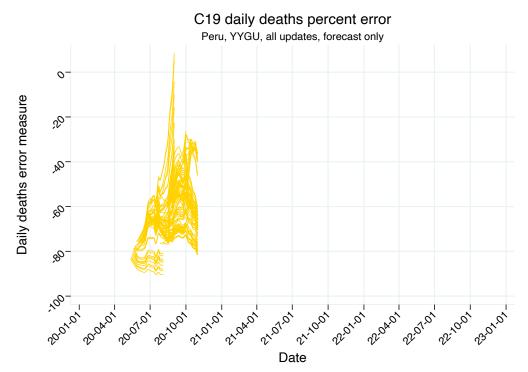
C19 daily deaths percent error Peru, DELP, all updates, forecast only \*0000\_ Daily deaths error measure 30,00\_ 10000\_ pain para pain prai trata tara trata Date

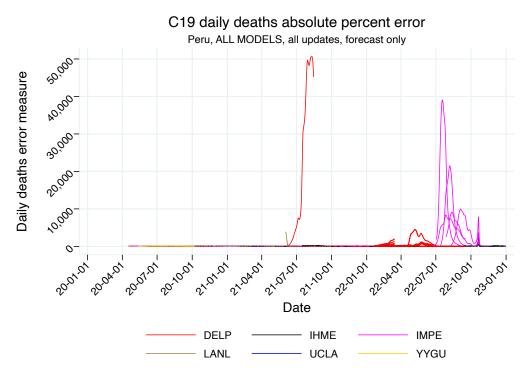


C19 daily deaths percent error Peru, IMPE, all updates, forecast only \*0000-Daily deaths error measure 30,00-10000paia paka paia pria raka raka raia raa paka paka paka paia Date

### C19 daily deaths percent error Peru, LANL, all updates, forecast only \*000-Daily deaths error measure 300-100-0-Date







C19 daily deaths absolute percent error Peru, DELP, all updates, forecast only Daily deaths error measure 10,000\_ 0pain para pain prai trata tara trata Date

C19 daily deaths absolute percent error Peru, IHME, all updates, forecast only Daily deaths error measure 1,600-100-KOD-0-Date

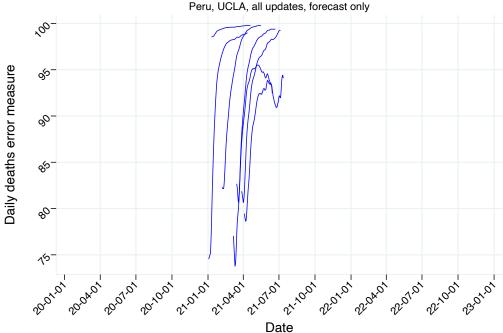
# C19 daily deaths absolute percent error Peru, IMPE, all updates, forecast only Daily deaths error measure pain pakai pain pian rakai rakai rain rakai pakai pakai pakai pain

Date

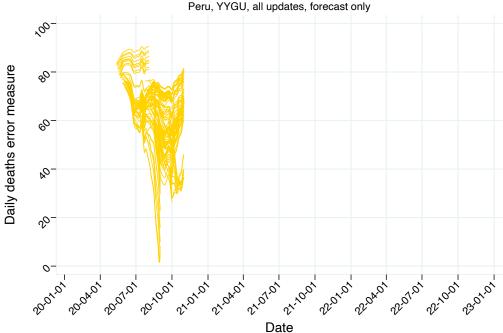
## C19 daily deaths absolute percent error Peru, LANL, all updates, forecast only \*000\_ Daily deaths error measure 3000-

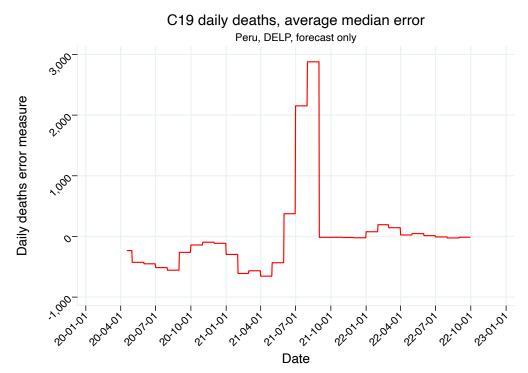
Date

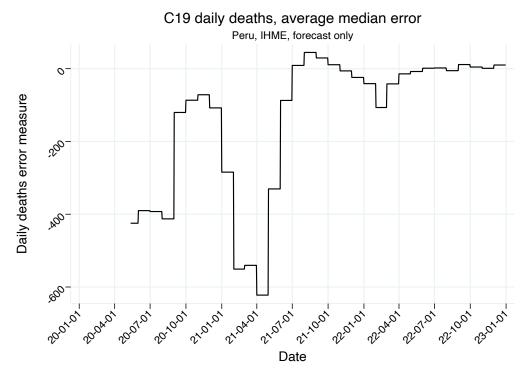
### C19 daily deaths absolute percent error

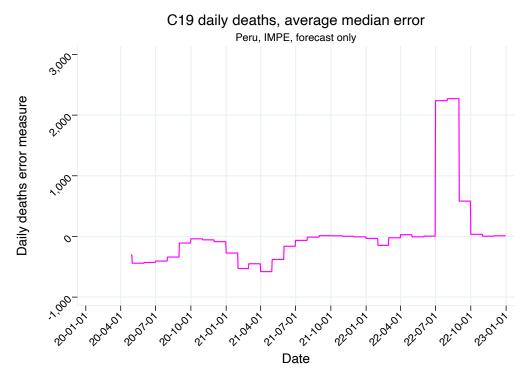


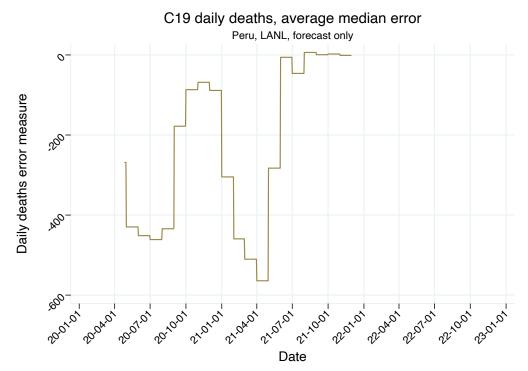
#### C19 daily deaths absolute percent error

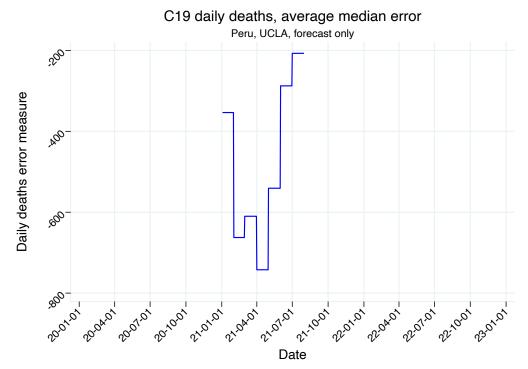


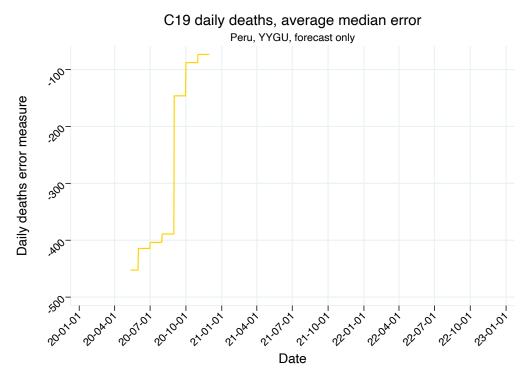


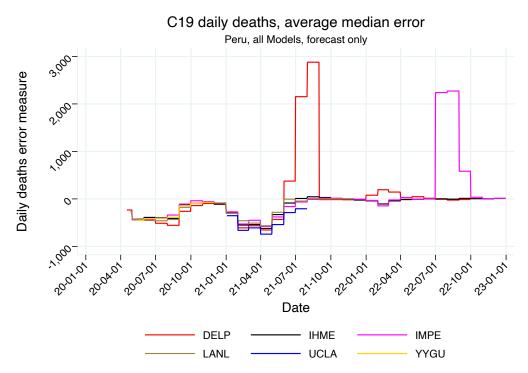




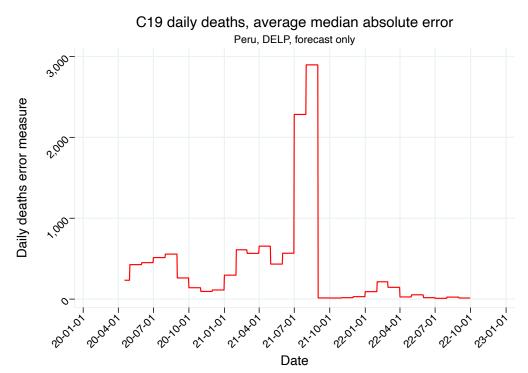


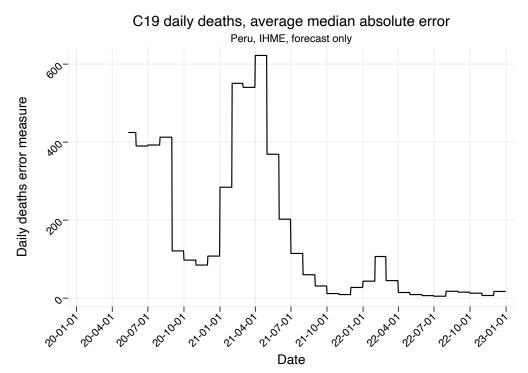


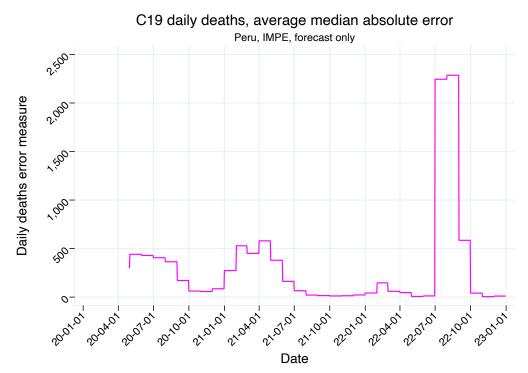




C19 daily deaths, average median error Peru, all Models, forecast only; smoothed for better viewing 300-Daily deaths error measure 2000-100-0-2001 2004 2001 2010 2010 21010 21010 21010 2100 22010 22010 22010 22010 Date **DELP** IHME **IMPE** LANL **UCLA YYGU** 

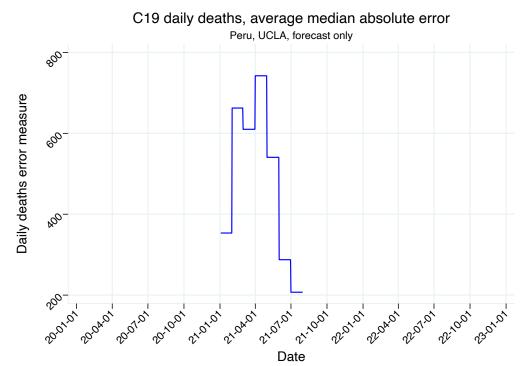






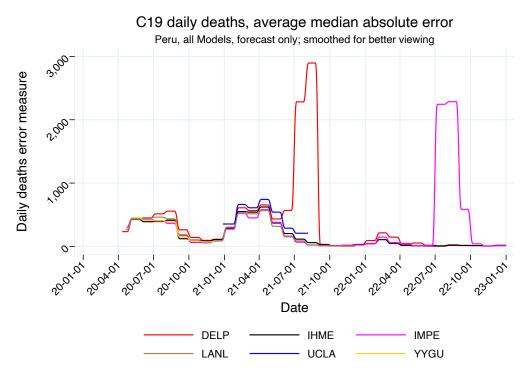
C19 daily deaths, average median absolute error Peru, LANL, forecast only 600-Daily deaths error measure MO-200para paka pala praa rata rata rata riaa pata pata pata pata

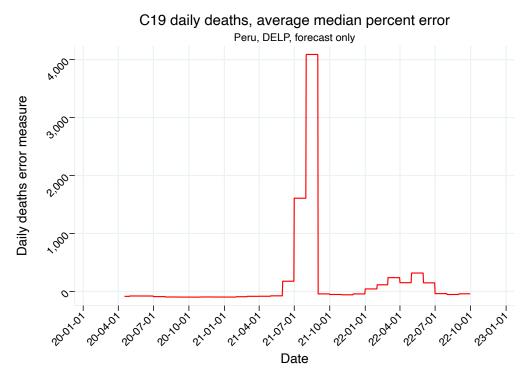
Date



C19 daily deaths, average median absolute error Peru, YYGU, forecast only 600-Daily deaths error measure MO--oo 200-0, potot pokot potot proof proof potot profes proof potot potot proof potot Date

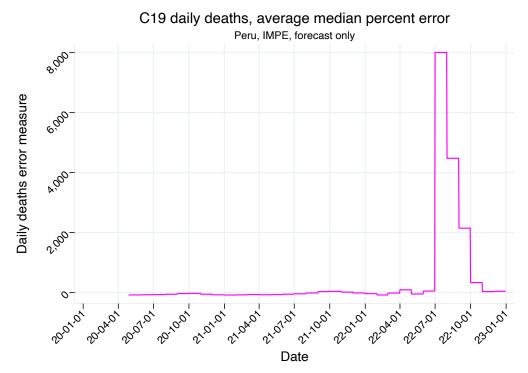
C19 daily deaths, average median absolute error Peru, all Models, forecast only 3000-Daily deaths error measure 5000\_ 100-0-Date **DELP** IHME **IMPE** LANL **UCLA** YYGU

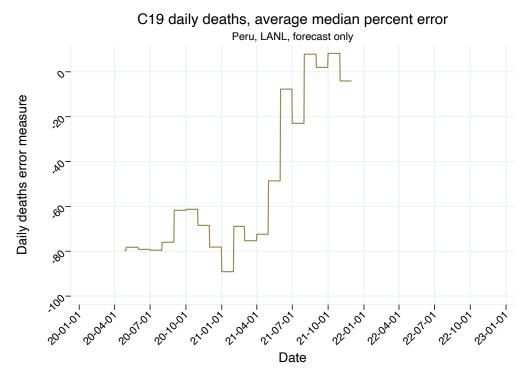


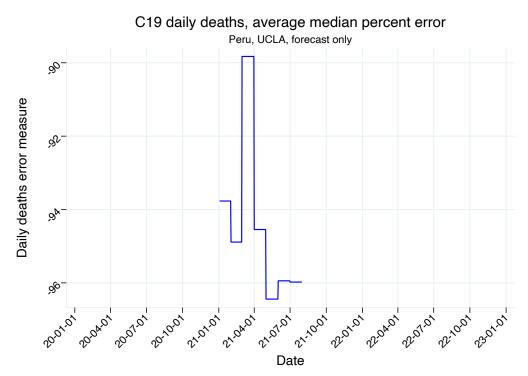


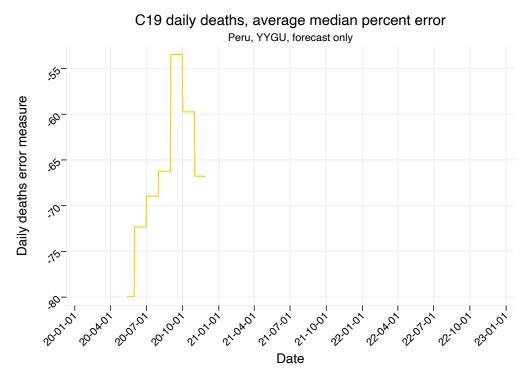
C19 daily deaths, average median percent error Peru, IHME, forecast only 100-Daily deaths error measure 80-0-%para paka paia praa rata raka rata riaa paka paia paka paia praa

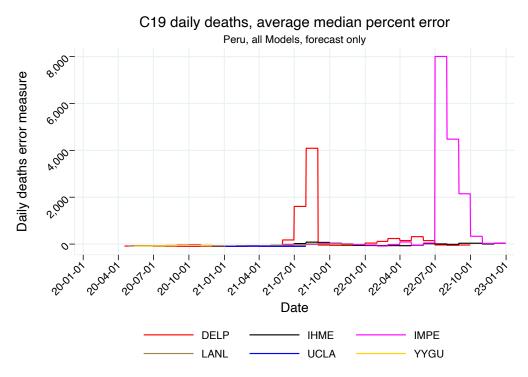
Date

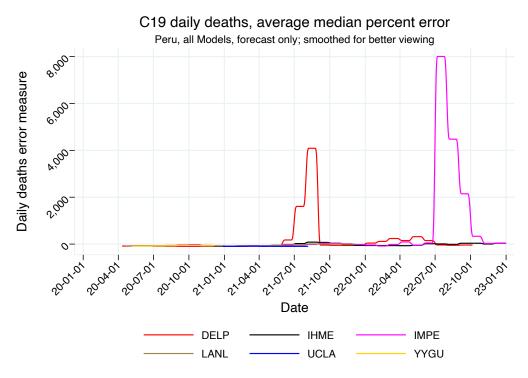


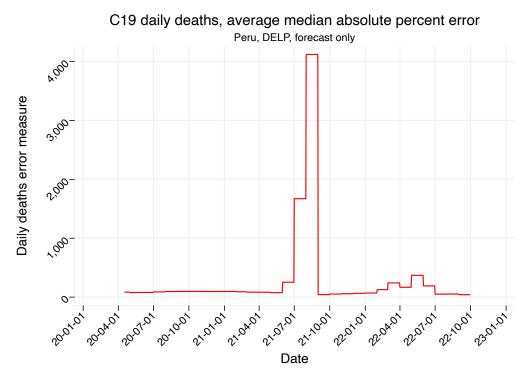






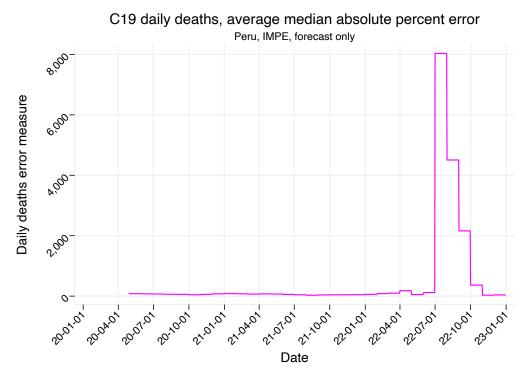






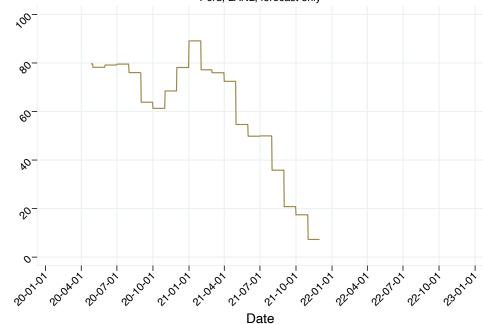
C19 daily deaths, average median absolute percent error Peru, IHME, forecast only ,00<sup>-</sup> Daily deaths error measure go-°o--Q<sub>4</sub> 

Date

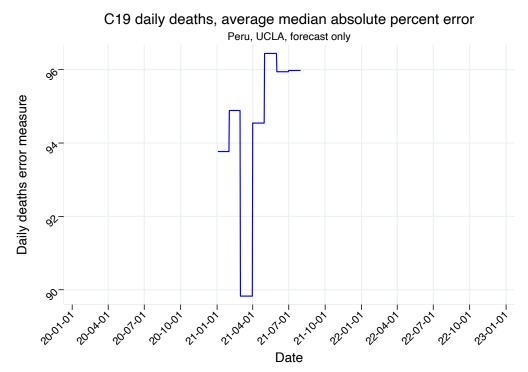


C19 daily deaths, average median absolute percent error

Peru, LANL, forecast only



Daily deaths error measure



C19 daily deaths, average median absolute percent error Peru, YYGU, forecast only -O<sub>0</sub> Daily deaths error measure √<sub>2</sub> 70ф. 60ψ, Έ Date

C19 daily deaths, average median absolute percent error Peru, all Models, forecast only 8000-Daily deaths error measure 000-Y000\_ 2000-0-Date **DELP** IHME **IMPE** 

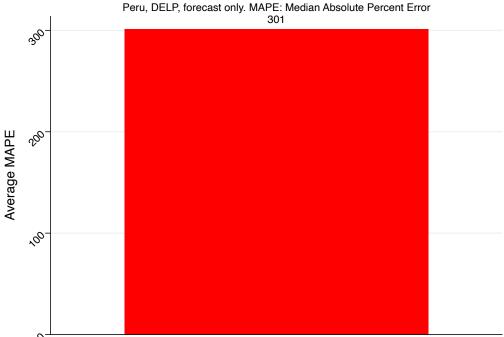
**UCLA** 

YYGU

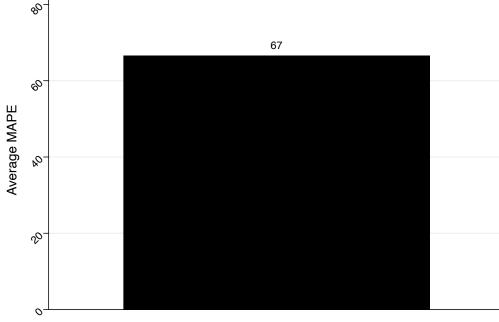
LANL

C19 daily deaths, average median absolute percent error Peru, all Models, forecast only; smoothed for better viewing 8000-Daily deaths error measure 000-\*000\_ 2000-0-Date **DELP** IHME **IMPE** LANL **UCLA** YYGU

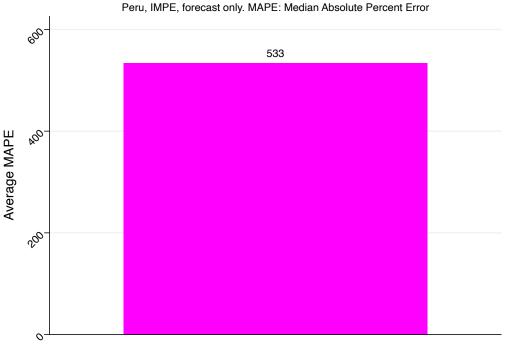
C19 daily deaths average MAPE over updates and calendar months



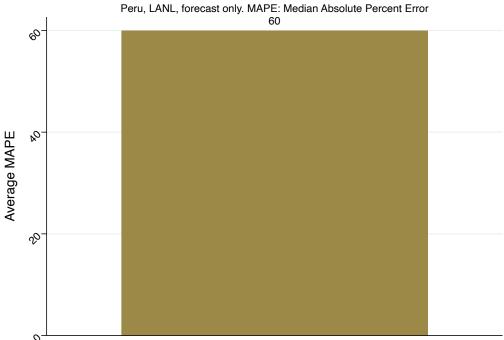
C19 daily deaths average MAPE over updates and calendar months Peru, IHME, forecast only. MAPE: Median Absolute Percent Error 67



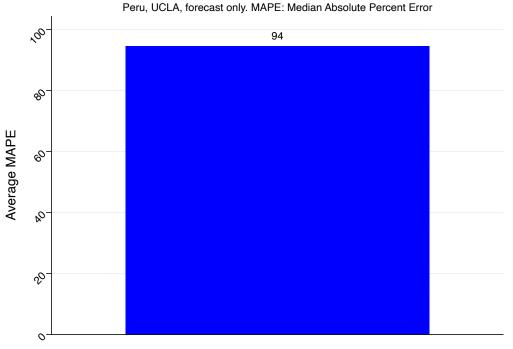
C19 daily deaths average MAPE over updates and calendar months



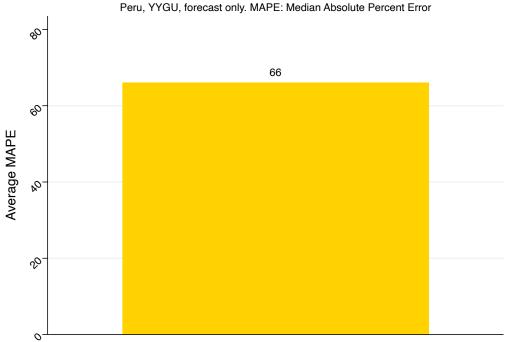
# C19 daily deaths average MAPE over updates and calendar months

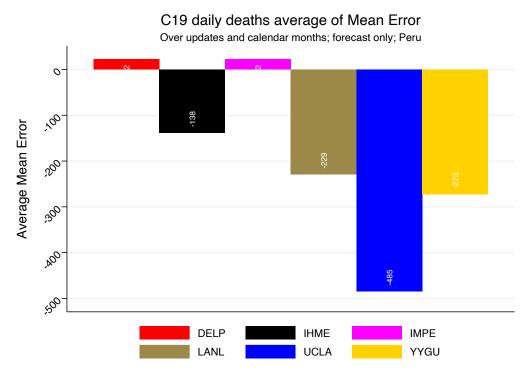


C19 daily deaths average MAPE over updates and calendar months

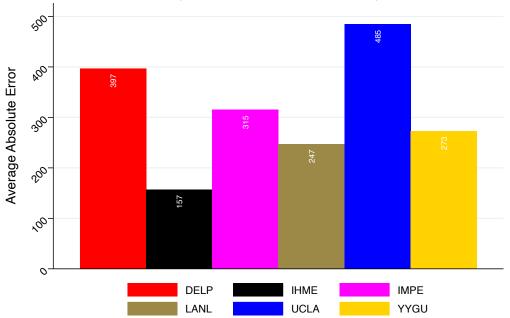


C19 daily deaths average MAPE over updates and calendar months

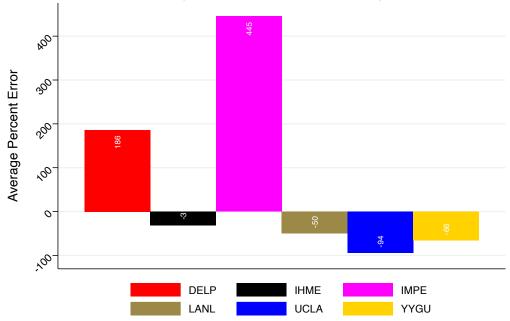




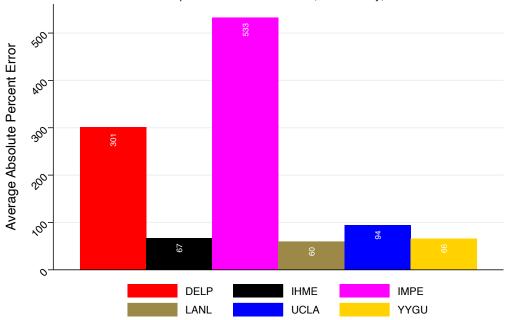
#### C19 daily deaths average of Absolute Error



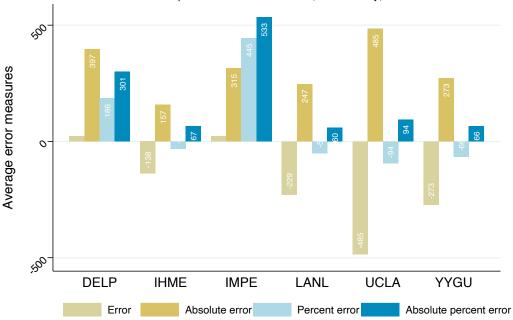
#### C19 daily deaths average of Percent Error



#### C19 daily deaths average of Absolute Percent Error

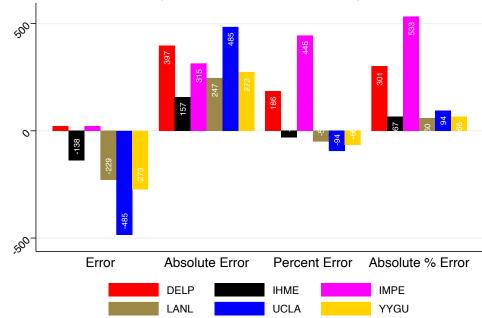


### C19 daily deaths, models across average error measures



## C19 daily deaths, average of error measures across models

Over updates and calendar months; forecast only; Peru



Average error measures