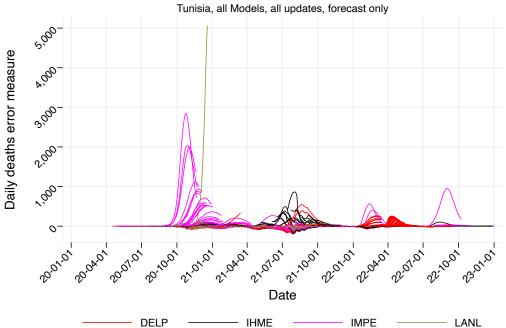
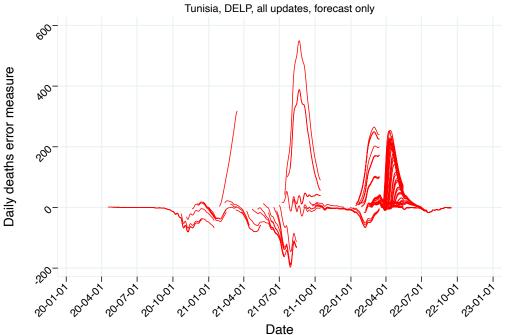


#### C19 daily deaths error



### C19 daily deaths error



C19 daily deaths error Tunisia, IHME, all updates, forecast only 800-Daily deaths error measure 600-MO-200-0-Date

## C19 daily deaths error Tunisia, IMPE, all updates, forecast only 3000-Daily deaths error measure 100-0potal pokal potal praal rakal rakal ratal ritool pakal rakal ritool pakal

C19 daily deaths error Tunisia, LANL, all updates, forecast only Daily deaths error measure Y000\_ 3000-5000-100-0-Date

### C19 daily deaths absolute error Tunisia, all Models, all updates, forecast only 2000-Daily deaths error measure Y000\_ 3000-2000-100-0-Date

IHME

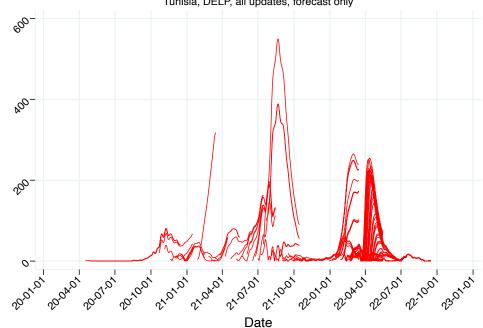
**IMPE** 

LANL

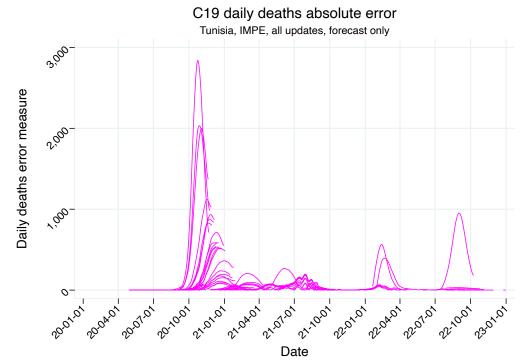
**DELP** 

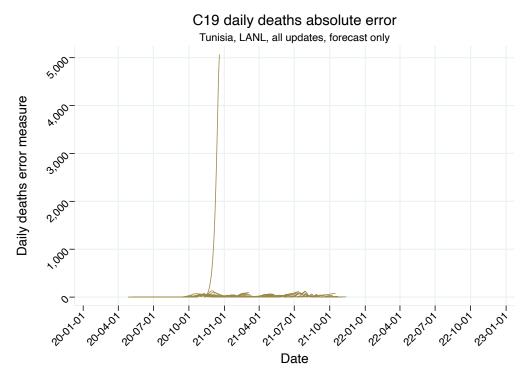
### C19 daily deaths absolute error Tunisia, DELP, all updates, forecast only

Daily deaths error measure



### C19 daily deaths absolute error Tunisia, IHME, all updates, forecast only 800-Daily deaths error measure 600-MO-200point pokot polici pricat print prakot print pricat point prakot pricat point Date





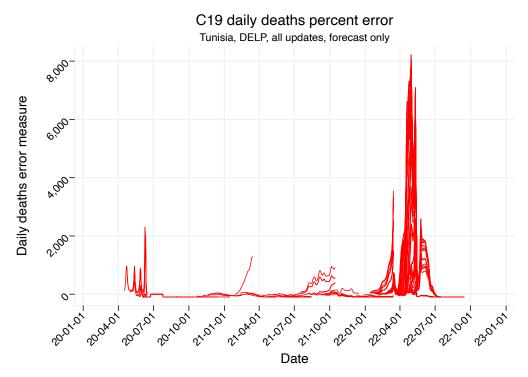
### C19 daily deaths percent error Tunisia, all Models, all updates, forecast only \*00'00\_ Daily deaths error measure 30,00\_ 200,000-100,00-0-Date

IHME

**IMPE** 

LANL

**DELP** 

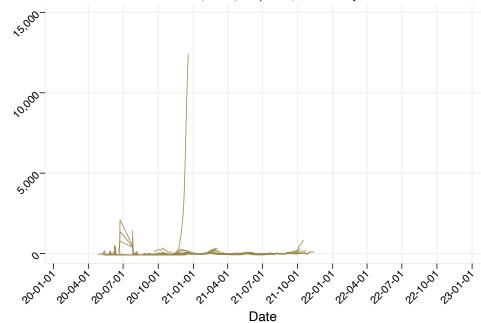


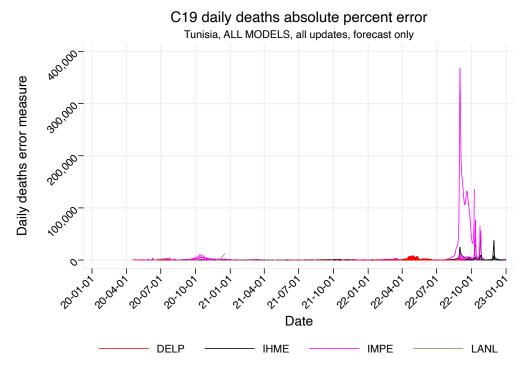
C19 daily deaths percent error Tunisia, IHME, all updates, forecast only 20,000-\*0000\_ Daily deaths error measure 30,00-20,00 10,00 0-

# C19 daily deaths percent error Tunisia, IMPE, all updates, forecast only <sup>10</sup>0000 Daily deaths error measure pain part pain profund vara vara visa visa para para pain

#### C19 daily deaths percent error

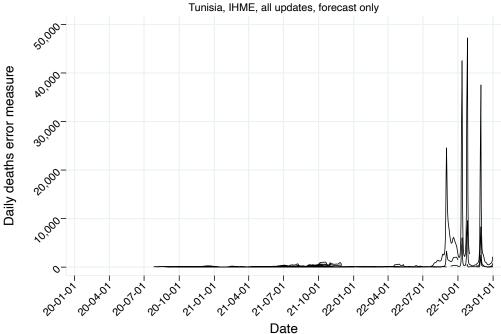
Tunisia, LANL, all updates, forecast only



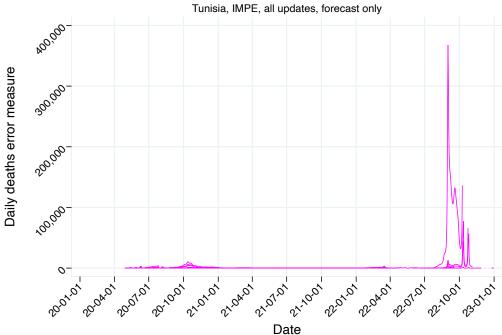


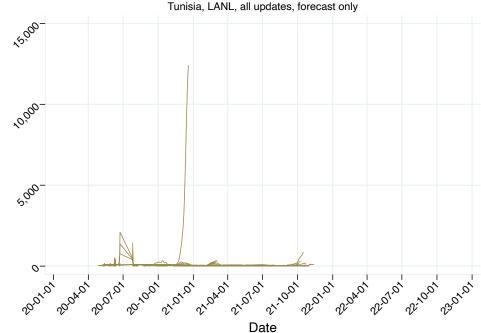
C19 daily deaths absolute percent error Tunisia, DELP, all updates, forecast only 8000-Daily deaths error measure 000-2000-0potal pokal potal prant rakal rakal racal prant pakal pokal pokal pripal potal Date

### C19 daily deaths absolute percent error



#### C19 daily deaths absolute percent error



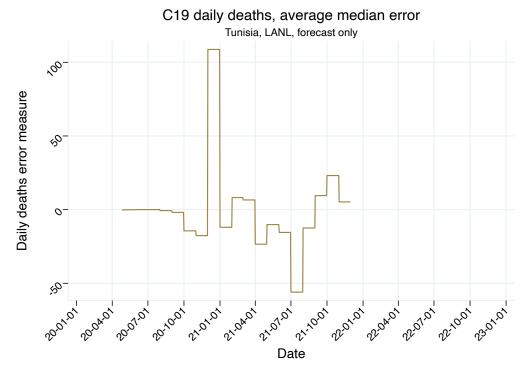


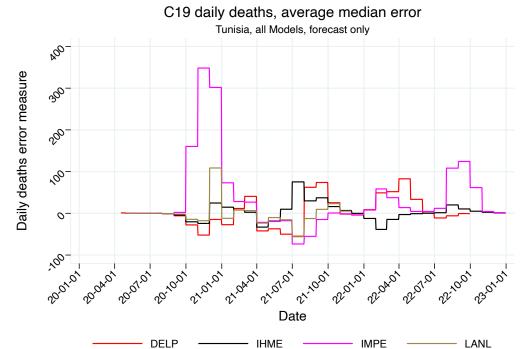
Daily deaths error measure

C19 daily deaths, average median error Tunisia, DELP, forecast only ,00<sup>-</sup> Daily deaths error measure <sup>2</sup>ο-0-ХO-

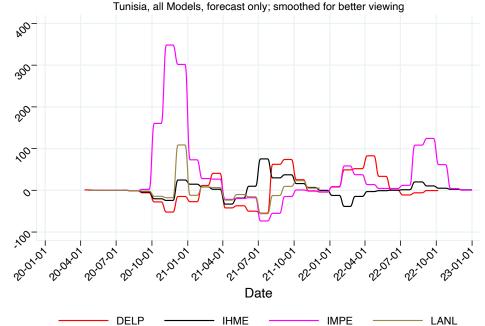
C19 daily deaths, average median error Tunisia, IHME, forecast only ,00<sup>-</sup> Daily deaths error measure %⁻ 0-2001 and 2011 and 201 Date

C19 daily deaths, average median error Tunisia, IMPE, forecast only MO-300-Daily deaths error measure 200-0 0para paka para pran rata raka riala riaa paka paka paka para sisaa Date

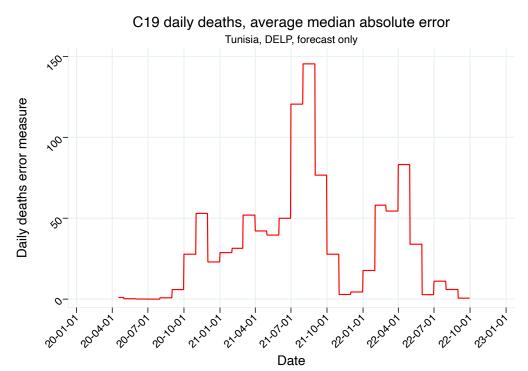


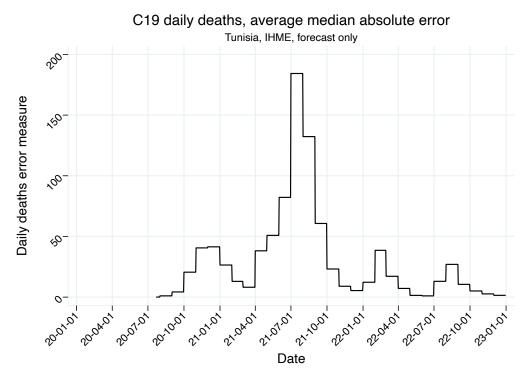


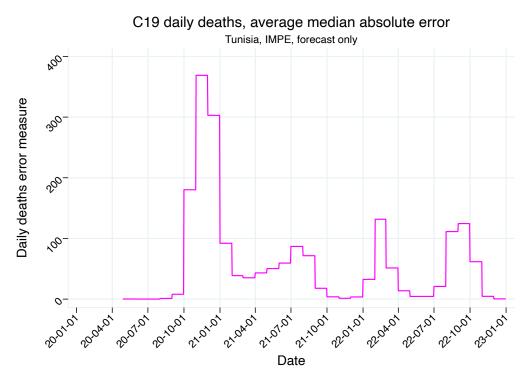
### C19 daily deaths, average median error



Daily deaths error measure







C19 daily deaths, average median absolute error Tunisia, LANL, forecast only 160-Daily deaths error measure ,00<sup>-</sup> SO. para paka pala praa rata rata rata riaa pata pata pata pata

C19 daily deaths, average median absolute error Tunisia, all Models, forecast only MO-Daily deaths error measure 300 200-,00<sup>-</sup> 0pain paka pala prica zara zaka zara zraca pala paka zara zraca Date

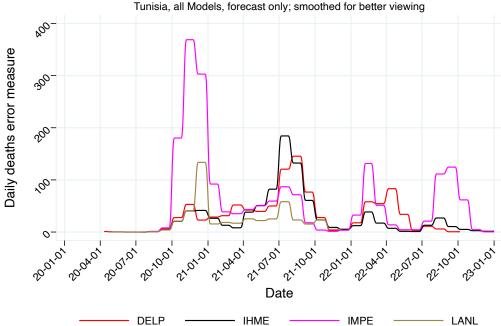
IHME

**IMPE** 

LANL

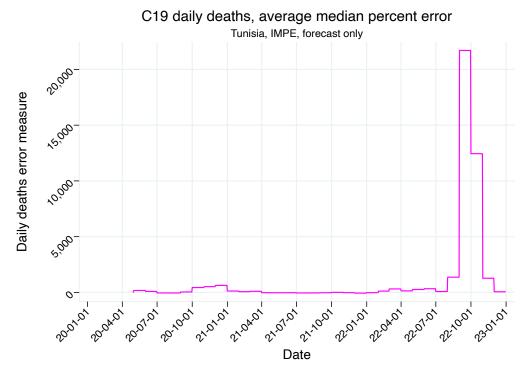
**DELP** 

# C19 daily deaths, average median absolute error



C19 daily deaths, average median percent error Tunisia, DELP, forecast only 2000-Daily deaths error measure 1,600-100-600-0potal pokal potal praal rakal rakal ratal ritool pakal rakal ritool pakal

C19 daily deaths, average median percent error Tunisia, IHME, forecast only 2000-Daily deaths error measure 1/200-100-KOD-0potal pokal potal praal rakal rakal ratal ritool pakal rakal ritool pakal



C19 daily deaths, average median percent error Tunisia, LANL, forecast only <sub>3</sub>00-Daily deaths error measure 200-0, 0para paka para pran rata raka riala riaa paka paka paka para sisaa

C19 daily deaths, average median percent error Tunisia, all Models, forecast only 50,00-Daily deaths error measure Date **DELP** IHME **IMPE** LANL

C19 daily deaths, average median percent error Tunisia, all Models, forecast only; smoothed for better viewing 50,00-Daily deaths error measure Date **DELP** IHME **IMPE** LANL

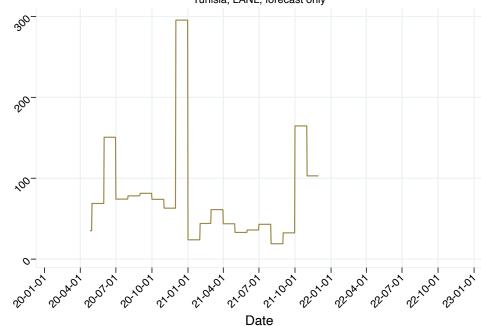
C19 daily deaths, average median absolute percent error Tunisia, DELP, forecast only 2000-Daily deaths error measure 1,800-600potal pokal potal praal rakal rakal ratal ritool pakal rakal ritool pakal

C19 daily deaths, average median absolute percent error Tunisia, IHME, forecast only 2000-Daily deaths error measure 1/200-600potat potat potat praat patat patat praat praat patat patat praat patat

C19 daily deaths, average median absolute percent error Tunisia, IMPE, forecast only Daily deaths error measure pain para pain prai trata tara trata Date

C19 daily deaths, average median absolute percent error

Tunisia, LANL, forecast only



Daily deaths error measure

C19 daily deaths, average median absolute percent error Tunisia, all Models, forecast only 50,000 Daily deaths error measure 10000-2000-0-Date

IHME

**IMPE** 

LANL

**DELP** 

# C19 daily deaths, average median absolute percent error Tunisia, all Models, forecast only; smoothed for better viewing 50,000 Daily deaths error measure 0-Date

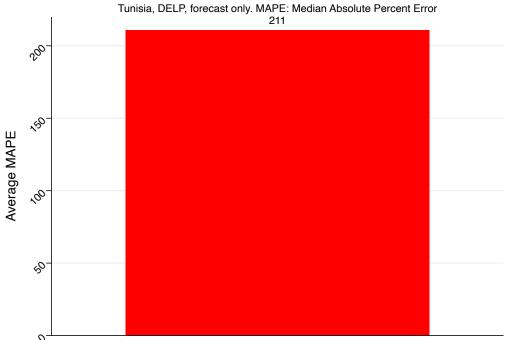
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**IMPE** 

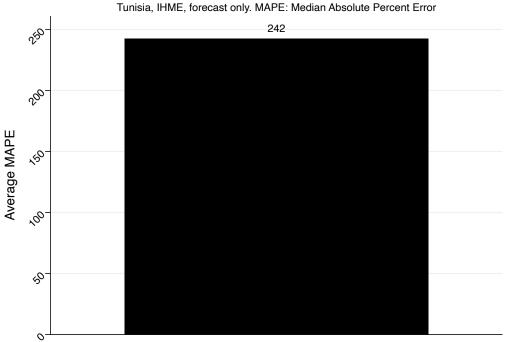
LANL

**DELP** 

#### C19 daily deaths average MAPE over updates and calendar months



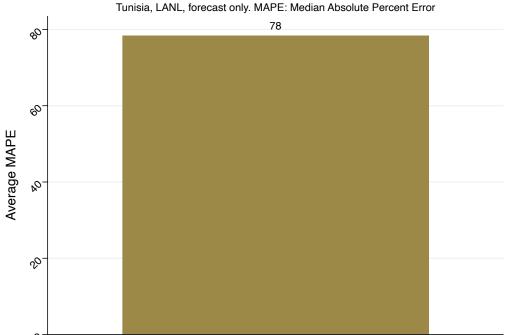
C19 daily deaths average MAPE over updates and calendar months



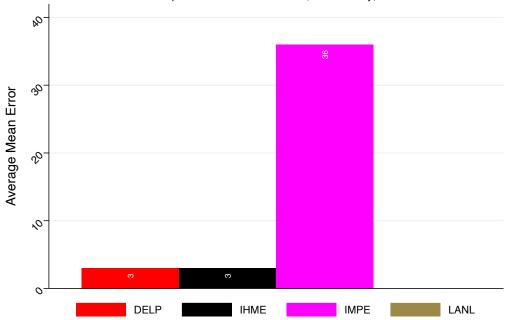
## C19 daily deaths average MAPE over updates and calendar months

Tunisia, IMPE, forecast only. MAPE: Median Absolute Percent Error 1,302 **Average MAPE** 

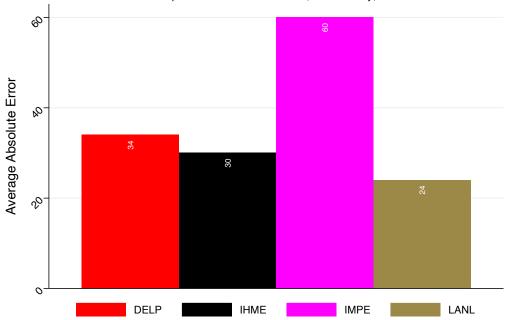
C19 daily deaths average MAPE over updates and calendar months



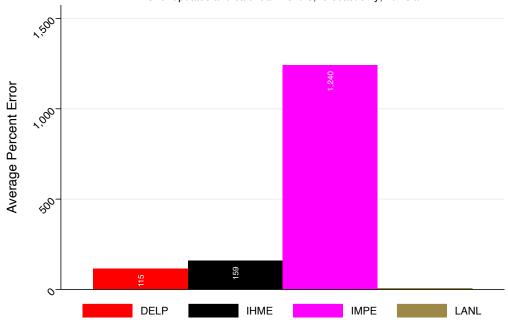
#### C19 daily deaths average of Mean Error



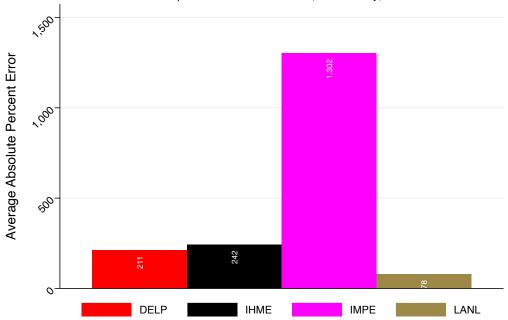
C19 daily deaths average of Absolute Error



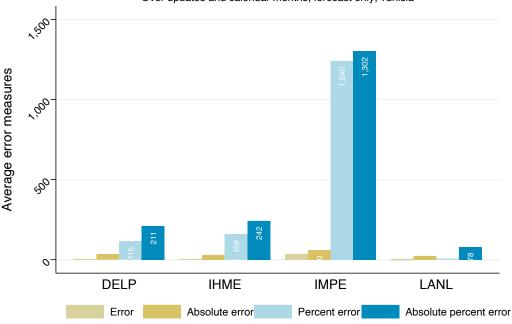
# C19 daily deaths average of Percent Error



#### 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

