
ERROR: Failed building wheel for fbprophet

Running setup.py clean for fbprophet

Building wheel for holidays (setup.py) ... done

Created wheel for holidays: filename=holidays-0.10.2-py3-none-any. whl size=111560 sha256=1b6ec91da8b7bf1d7aca770f95ce4ab8bea18bf4dcf4fc28bef25af4f271e745

Stored in directory: /Users/MariaPaz/Library/Caches/pip/wheels/90/4e/82/f4130a57eb035c4344489ca14caff692590719b5f375540f53

Building wheel for pymeeus (setup.py) ... done

Created wheel for pymeeus: filename=PyMeeus-0.3.7-py3-none-any.whl size=702876 sha256=6160d3111cca56bce08e6aec679c5a43661f2ed42cbfa657f 26699c63e9d2276

Stored in directory: /Users/MariaPaz/Library/Caches/pip/wheels/80/32/5f/2a67880d4ce584b9cf99146f9945e46942dfb010a9382c6ff5

Successfully built holidays pymeeus

Failed to build fbprophet

Installing collected packages: cmdstanpy, pystan, ephem, LunarCalend ar, pymeeus, convertdate, korean-lunar-calendar, holidays, setuptool s-git, fbprophet

Running setup.py install for fbprophet ... done
Successfully installed LunarCalendar-0.0.9 cmdstanpy-0.4.0 convertda
te-2.2.1 ephem-3.7.7.1 fbprophet-0.6 holidays-0.10.2 korean-lunar-ca
lendar-0.2.1 pymeeus-0.3.7 pystan-2.19.1.1 setuptools-git-1.2
Note: you may need to restart the kernel to use updated packages.

```
In [26]: from fbprophet import Prophet
```

```
In [23]: confirmedw = df_world.groupby('ObservationDate').sum()['Confirmed'].re
    set_index()
    deathsw = df_world.groupby('ObservationDate').sum()['Deaths'].reset_in
    dex()
    recoveredw = df_world.groupby('ObservationDate').sum()['Recovered'].re
    set_index()
```

```
In [24]: confirmedw.columns = ['ds','y']
  confirmedw['ds'] = pd.to_datetime(confirmedw['ds'])
```

In [156]: confirmedw.tail()

Out[156]:

	ds	У
132	2020-06-02	6378238.0
133	2020-06-03	6508635.0
134	2020-06-04	6632985.0
135	2020-06-05	6764918.0
136	2020-06-06	6891213.0

INFO:numexpr.utils:NumExpr defaulting to 4 threads.

INFO:fbprophet:Disabling yearly seasonality. Run prophet with yearly _seasonality=True to override this.

INFO:fbprophet:Disabling daily seasonality. Run prophet with daily_s easonality=True to override this.

Out[27]:

```
139 2020-06-09
140 2020-06-10
141 2020-06-11
142 2020-06-12
```

143 2020-06-13

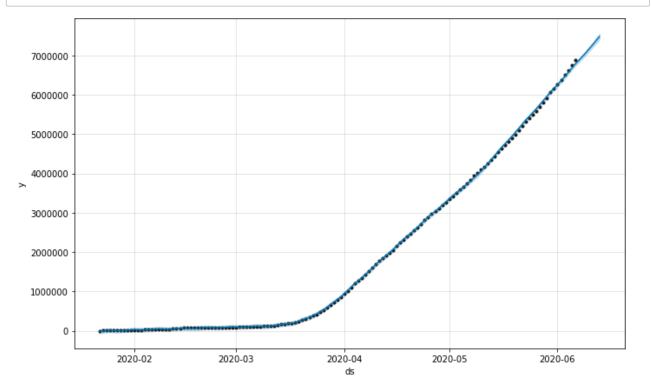
ds

```
In [28]: forecast = m.predict(future)
  forecast[['ds','yhat','yhat_lower','yhat_upper']].tail()
```

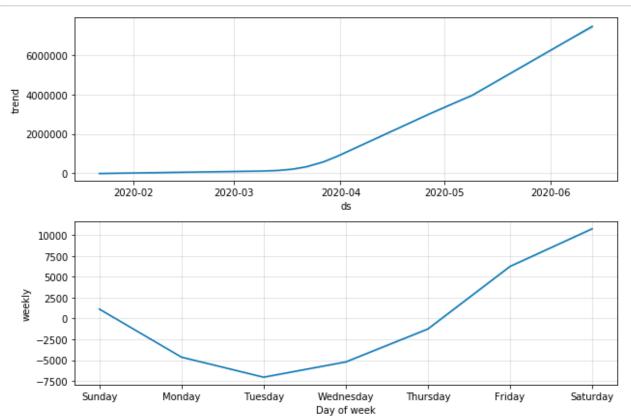
Out[28]:

	ds	yhat	yhat_lower	yhat_upper
139	2020-06-09	7.058134e+06	7.003128e+06	7.108771e+06
140	2020-06-10	7.160518e+06	7.102150e+06	7.219001e+06
141	2020-06-11	7.265030e+06	7.203072e+06	7.325119e+06
142	2020-06-12	7.373086e+06	7.303455e+06	7.450038e+06
143	2020-06-13	7.478154e+06	7.403117e+06	7.558602e+06









Out[31]:

	ObservationDate	Confirmed
0	03/01/2020	6.0
1	03/02/2020	6.0
2	03/03/2020	7.0
3	03/04/2020	10.0
4	03/05/2020	13.0
•••		
93	06/02/2020	40414.0
94	06/03/2020	40966.0
95	06/04/2020	40966.0
96	06/05/2020	41575.0
97	06/06/2020	42728.0

98 rows × 2 columns

```
In [32]: ecuador.columns = ['ds','y']
    ecuador['ds'] = pd.to_datetime(ecuador['ds'])
```

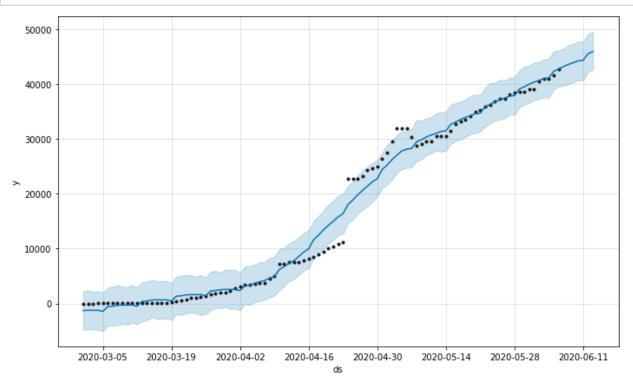
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_seasonality=True to override this.

INFO:fbprophet:Disabling daily seasonality. Run prophet with daily_s easonality=True to override this.

Out[33]:

	ds	yhat	yhat_lower	yhat_upper
100	2020-06-09	43883.769430	40273.134291	47323.905913
101	2020-06-10	44218.394359	40692.735232	47711.084615
102	2020-06-11	44332.230771	40638.212239	47726.196027
103	2020-06-12	45530.066778	42154.810450	49090.439876
104	2020-06-13	45925.248011	42599.179764	49557.141989

In [34]: ecuador_forecast_plot = m.plot(forecast)



```
In [35]: poland = pl_timeline.groupby('ObservationDate').sum()['Confirmed'].res
    et_index()
    poland
```

Out[35]:

	ObservationDate	Confirmed
0	03/04/2020	1.0
1	03/05/2020	1.0
2	03/06/2020	5.0
3	03/07/2020	5.0
4	03/08/2020	11.0
90	06/02/2020	24395.0
91	06/03/2020	24687.0
92	06/04/2020	25048.0
93	06/05/2020	25410.0
94	06/06/2020	25986.0

95 rows × 2 columns

```
In [36]: poland.columns = ['ds','y']
   poland['ds'] = pd.to_datetime(poland['ds'])
```

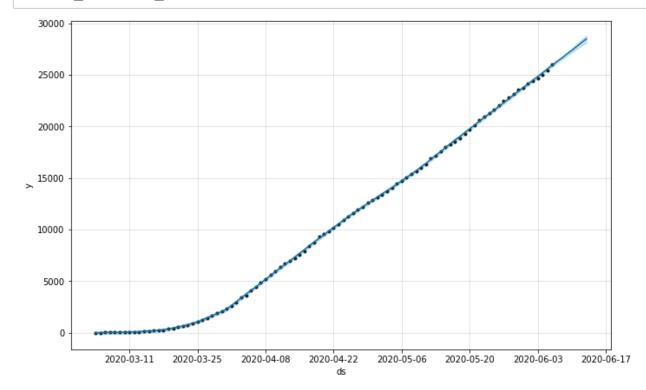
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Out[37]:

	ds	yhat	yhat_lower	yhat_upper
97	2020-06-09	27031.015794	26857.993853	27184.986167
98	2020-06-10	27390.395549	27184.127366	27581.565264
99	2020-06-11	27754.775241	27511.402849	27997.735223
100	2020-06-12	28132.785728	27847.993047	28415.491959
101	2020-06-13	28498.176421	28114.969513	28825.533057

In [38]: poland_forecast_plot = m.plot(forecast)



In []: