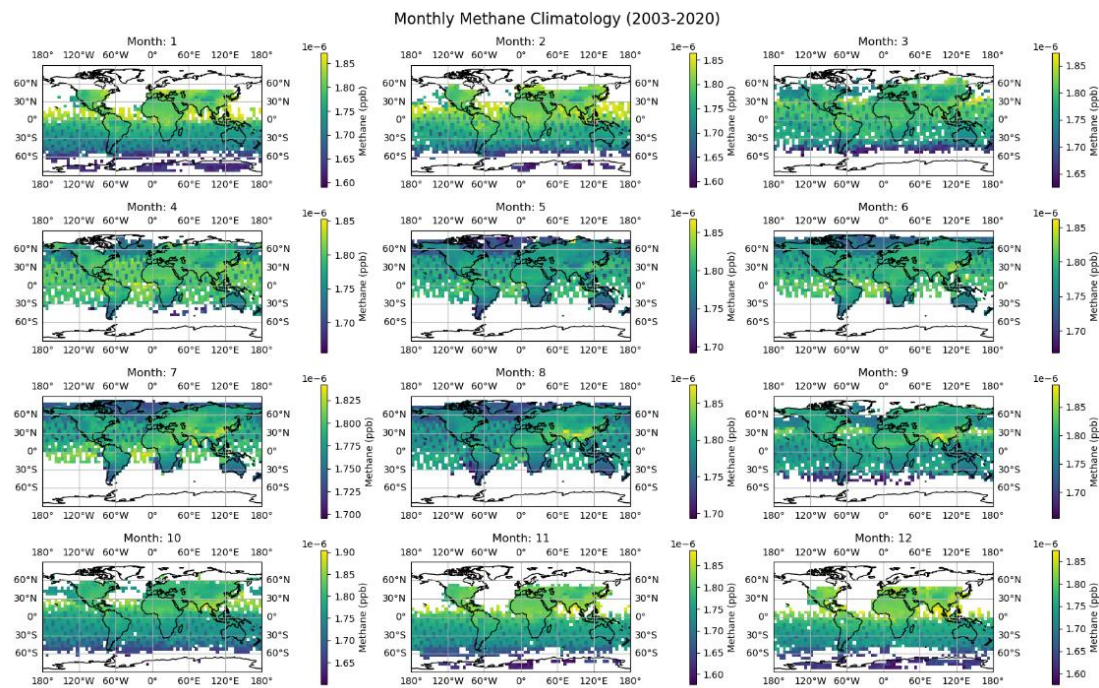
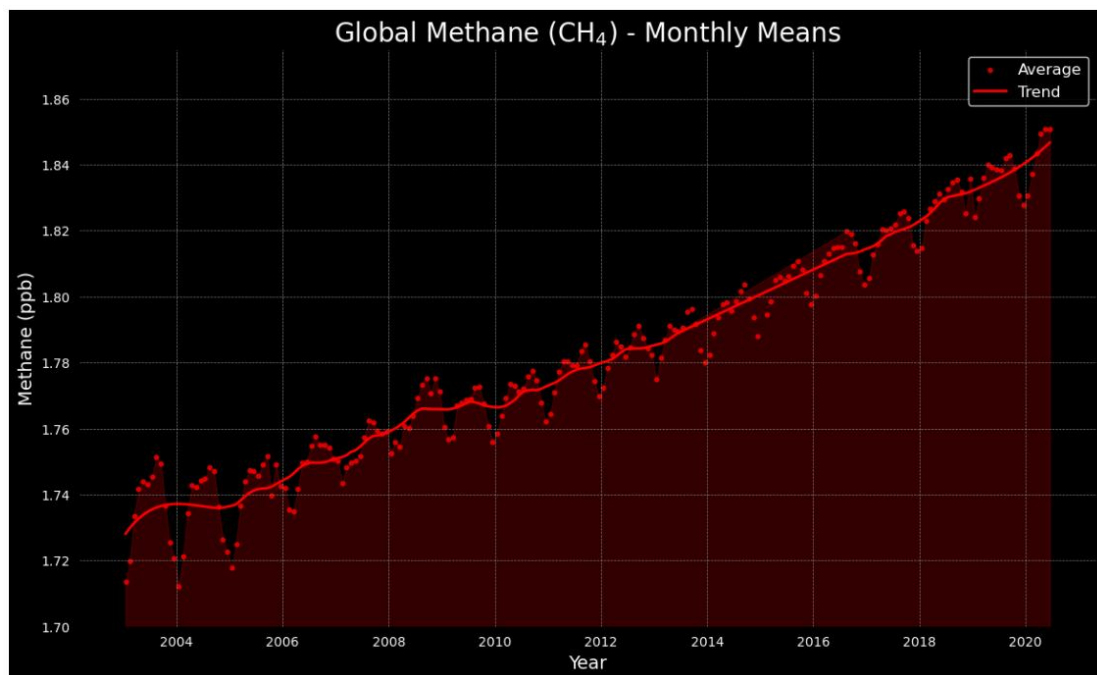


1. Global methane levels from 2002

1.1



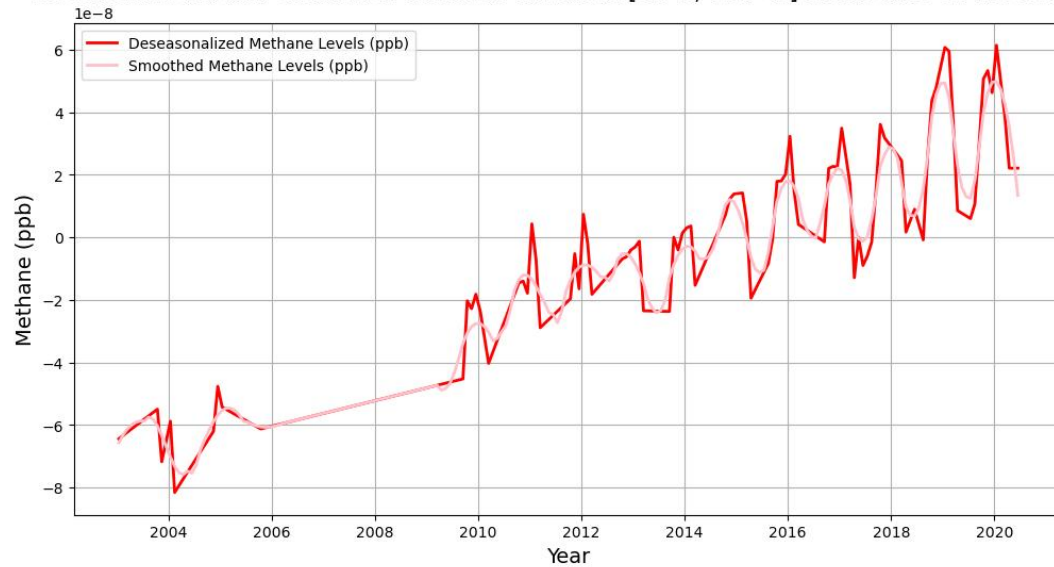
1.2



Globally-averaged methane from 2003-01 to 2020-06 sustained growth, and the growth trend from 2010 to 2014 was relatively slow, while the growth trend from 2018 to 2020 was relatively rapid.

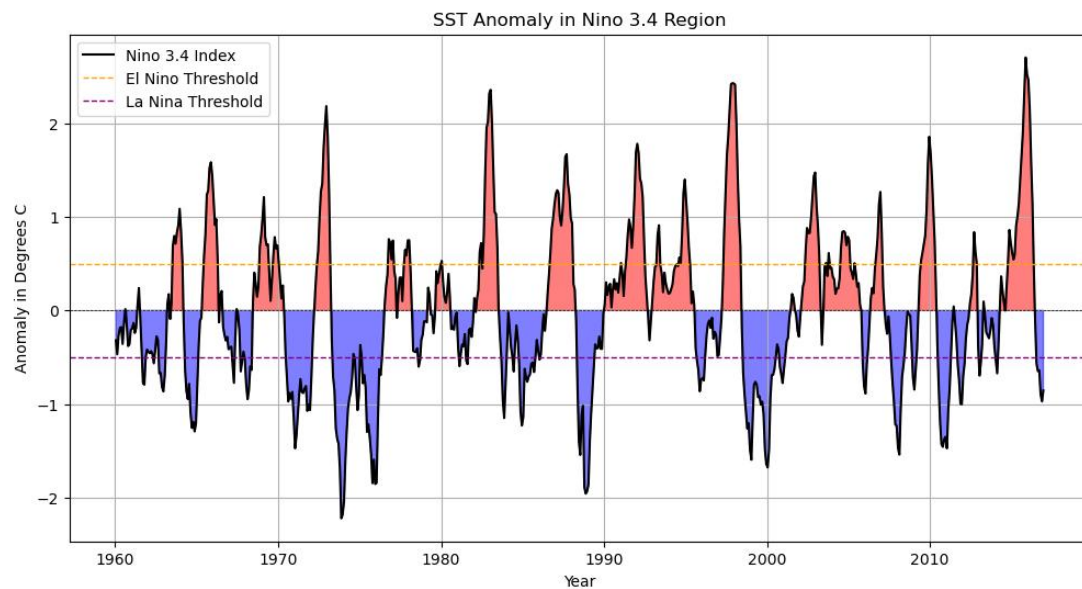
1.3

Deseasonalized and Smoothed Methane Levels at [15°S, 150°W] from 2003-01 to 2020-06



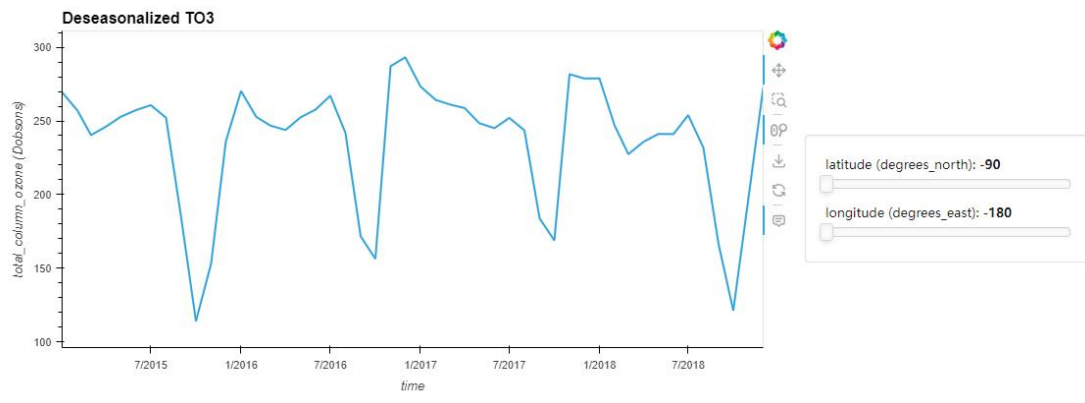
The deseasonalized time series shows the variation in methane levels at [15°S, 150°W] without the influence of the annual seasonal cycle.

2. Niño 3.4 index

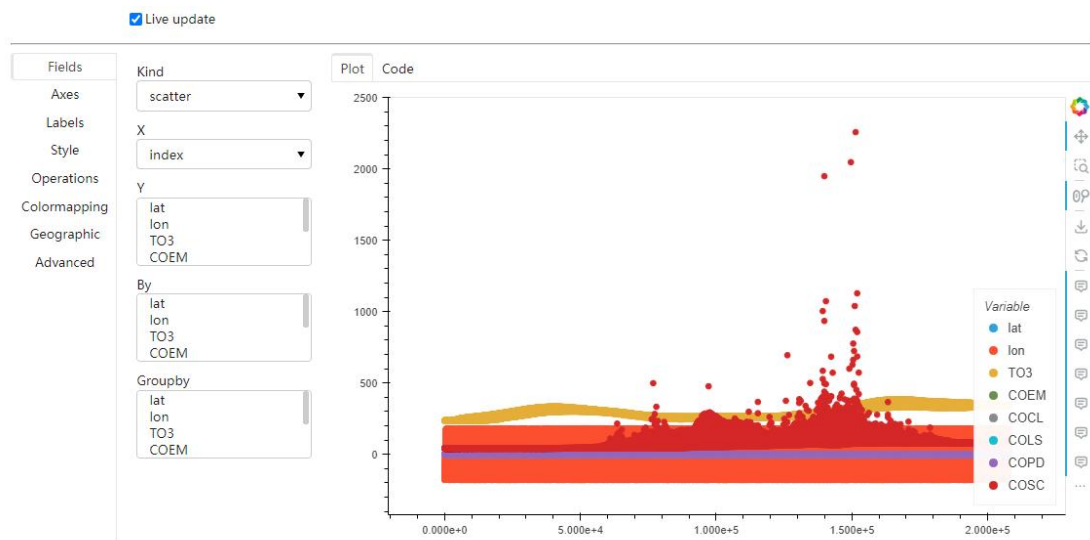


3. Explore a netCDF dataset

3. Interactive graphics - use hvplot



7. Interactive mapping of data sets



Others are showed in PS3.ipynb