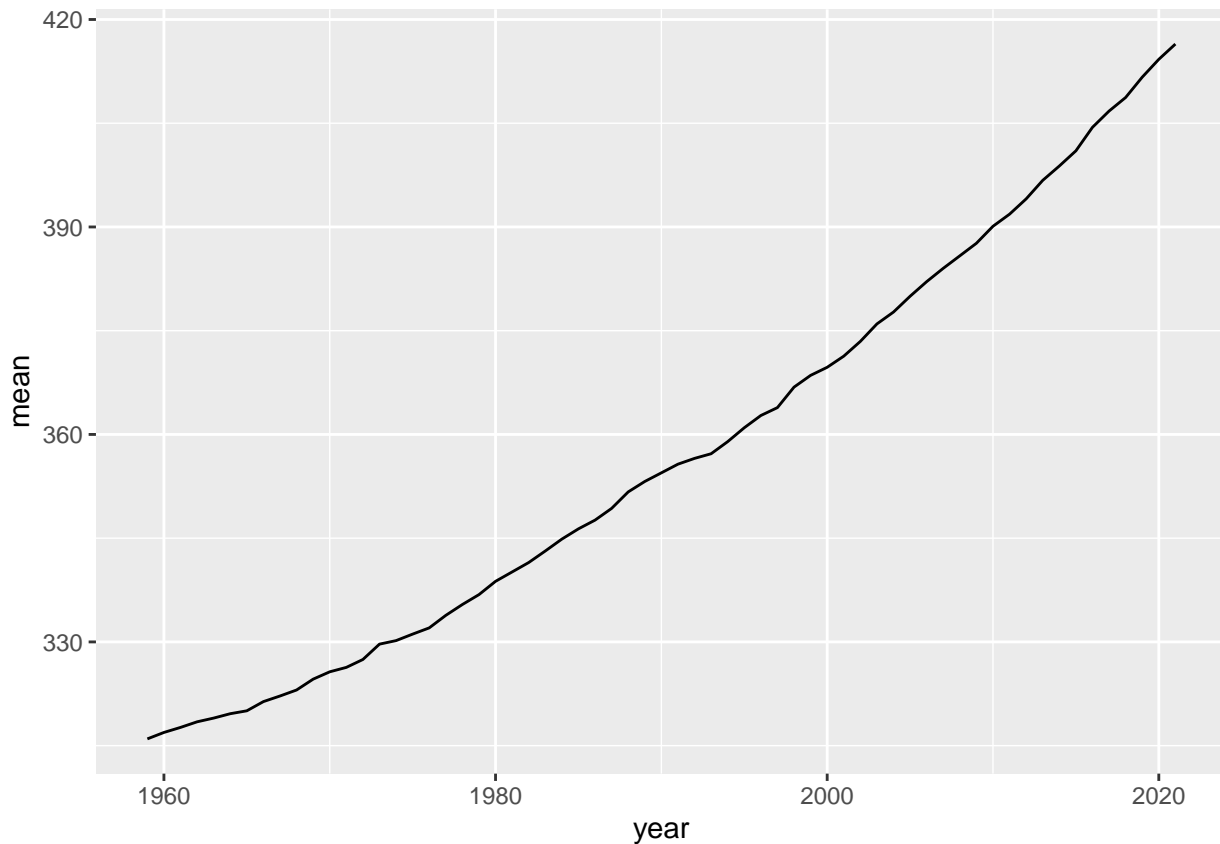


GEO511 case study 8

2022-10-25

Manua Loa Trends in Atmospheric Carbon Dioxide

This is updated data from the Global Monitoring Laboratory (Earth System Research Laboratories) on trends in atmospheric carbon dioxide from Manua Loa, Hawaii. Reference: Dr. Pieter Tans, NOAA/GML
Dr. Ralph Keeling, Scripps Institution of Oceanography.



```
## # A tibble: 10 x 2
##   year mean
##   <dbl> <dbl>
## 1 2021 416.
## 2 2020 414.
## 3 2019 412.
## 4 2018 409.
## 5 2017 407.
## 6 2016 404.
## 7 2015 401.
## 8 2014 399.
## 9 2013 397.
## 10 2012 394.
```

Table 1: The Last 10 Years of Mean Annual Data

year	mean
2021	416.45
2020	414.24
2019	411.66
2018	408.72
2017	406.76
2016	404.41
2015	401.01
2014	398.81
2013	396.74
2012	394.06