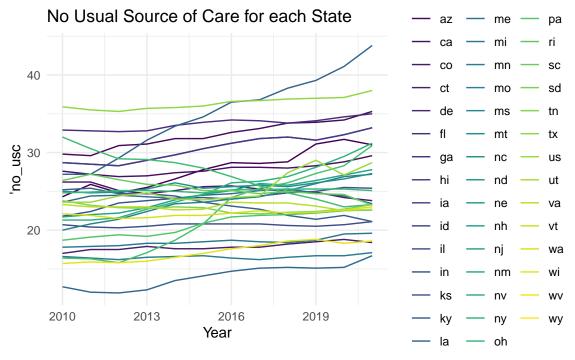
Data Cleaning and Visualization

2024-09-12

```
knitr::opts_chunk$set(echo = TRUE)
library(patchwork)
knitr::opts_chunk$set(
 fig.width = 6,
 fig.asp = .6,
 out.width = "90%"
library(tidyverse)
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr
             1.1.4
                        v readr
                                    2.1.5
## v forcats 1.0.0
                        v stringr
                                    1.5.1
## v ggplot2 3.5.1
                       v tibble
                                    3.2.1
## v lubridate 1.9.3
                        v tidyr
                                    1.3.1
              1.0.2
## v purrr
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()
## i Use the conflicted package (<a href="http://conflicted.r-lib.org/">http://conflicted.r-lib.org/</a>) to force all conflicts to become error
library(janitor)
##
## Attaching package: 'janitor'
## The following objects are masked from 'package:stats':
##
##
      chisq.test, fisher.test
library(readxl)
library(viridisLite)
Uploading Milbank Primary Care Data
pc_data = readxl::read_excel("data/primary-care-data-2010-2021.xlsx", sheet = "primary-care-data", rang
 janitor::clean_names(
 ) |>
 mutate(across(where(is.character), ~na_if(., "NA"))) |>
 mutate_if(is.character, as.numeric) %>%
 pivot_longer(
   cols = -year, # All columns except 'year'
   names_to = c("state", "measure"), # Names of new columns
   names_pattern = "^(..)_?(.*)$"
```

New names:

Warning: Removed 216 rows containing missing values or values outside the scale range ## (`geom_line()`).



Extracting PCP ratio data