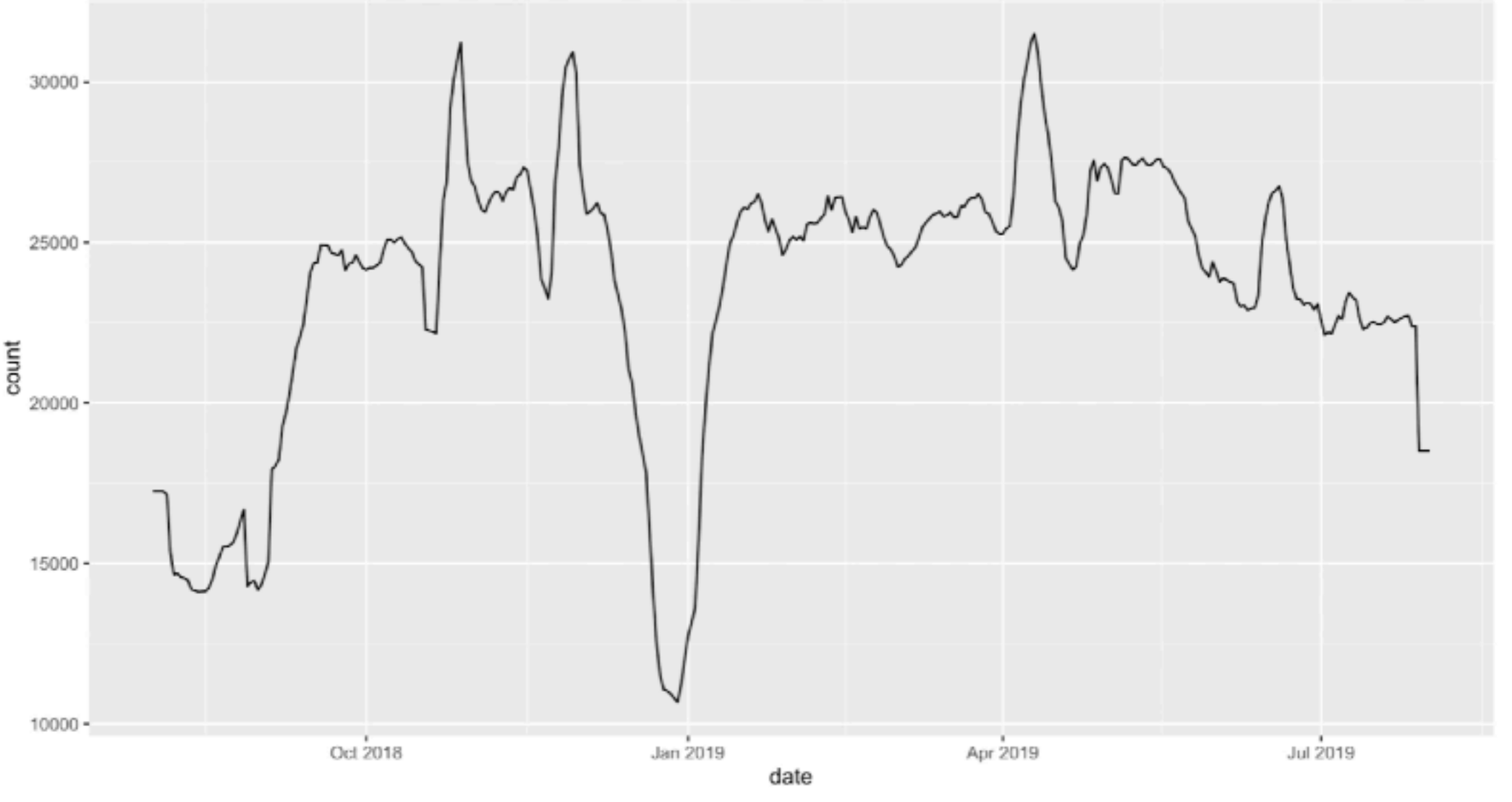
Goal: reproducible plot code

Package name

ggplot2

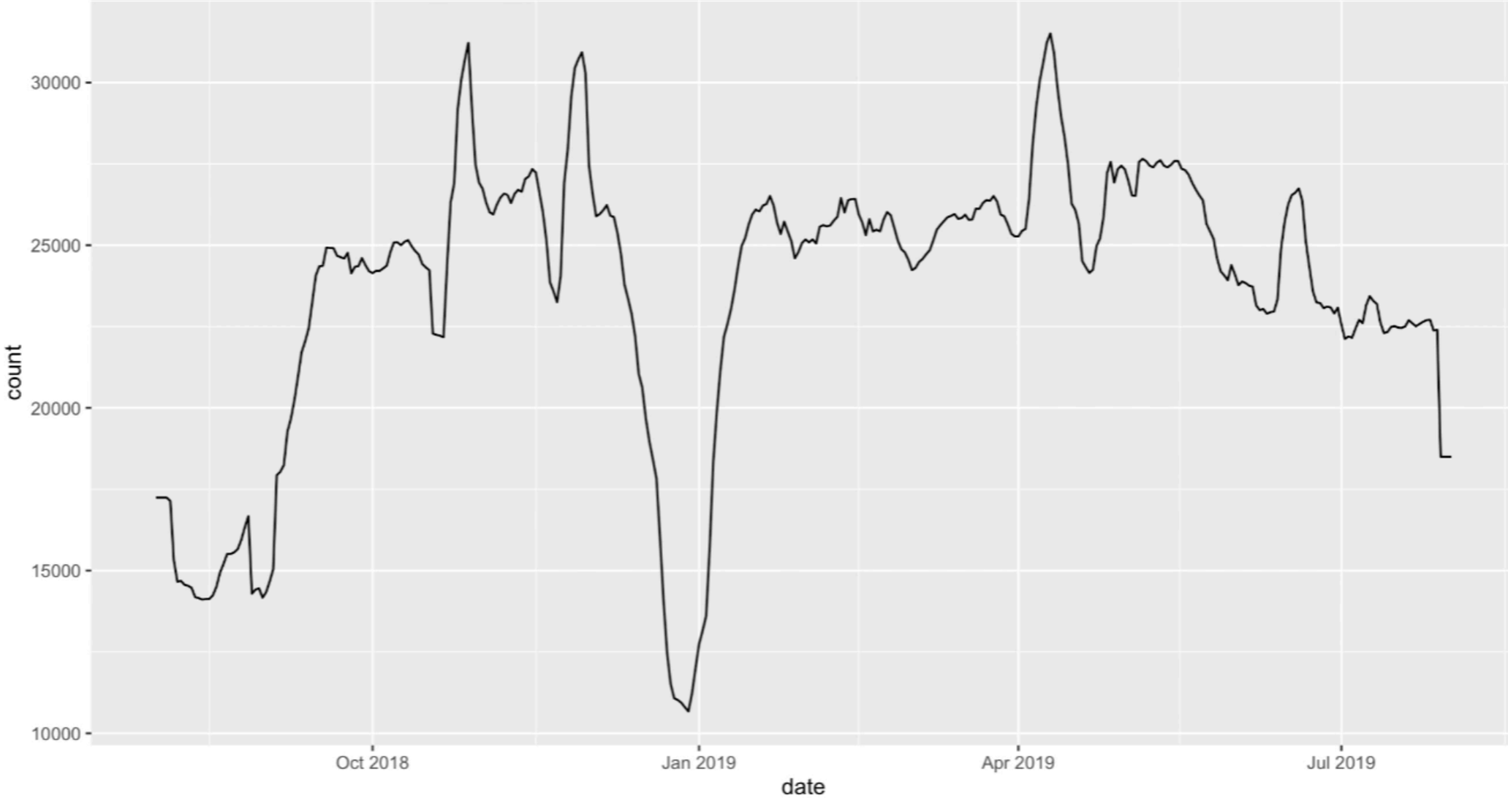
```
library(tidyverse)
downloads <- cranlogs::cran_downloads("ggplot2", from = Sys.Date() - 365, to = Sys.Date())
downloads_rolling <- downloads %>%
  mutate(count = zoo::rollapply(count, 7, mean, fill = "extend"))
ggplot(downloads_rolling, aes(date, count)) + geom_line()
```



Package name

ggplot2

```
library(tidyverse)
downloads <- cranlogs::cran_downloads("ggplot2", from = Sys.Date() - 365, to = Sys.Date())
downloads_rolling <- downloads %>%
  mutate(count = zoo::rollapply(count, 7, mean, fill = "extend"))
ggplot(downloads_rolling, aes(date, count)) + geom_line()
```

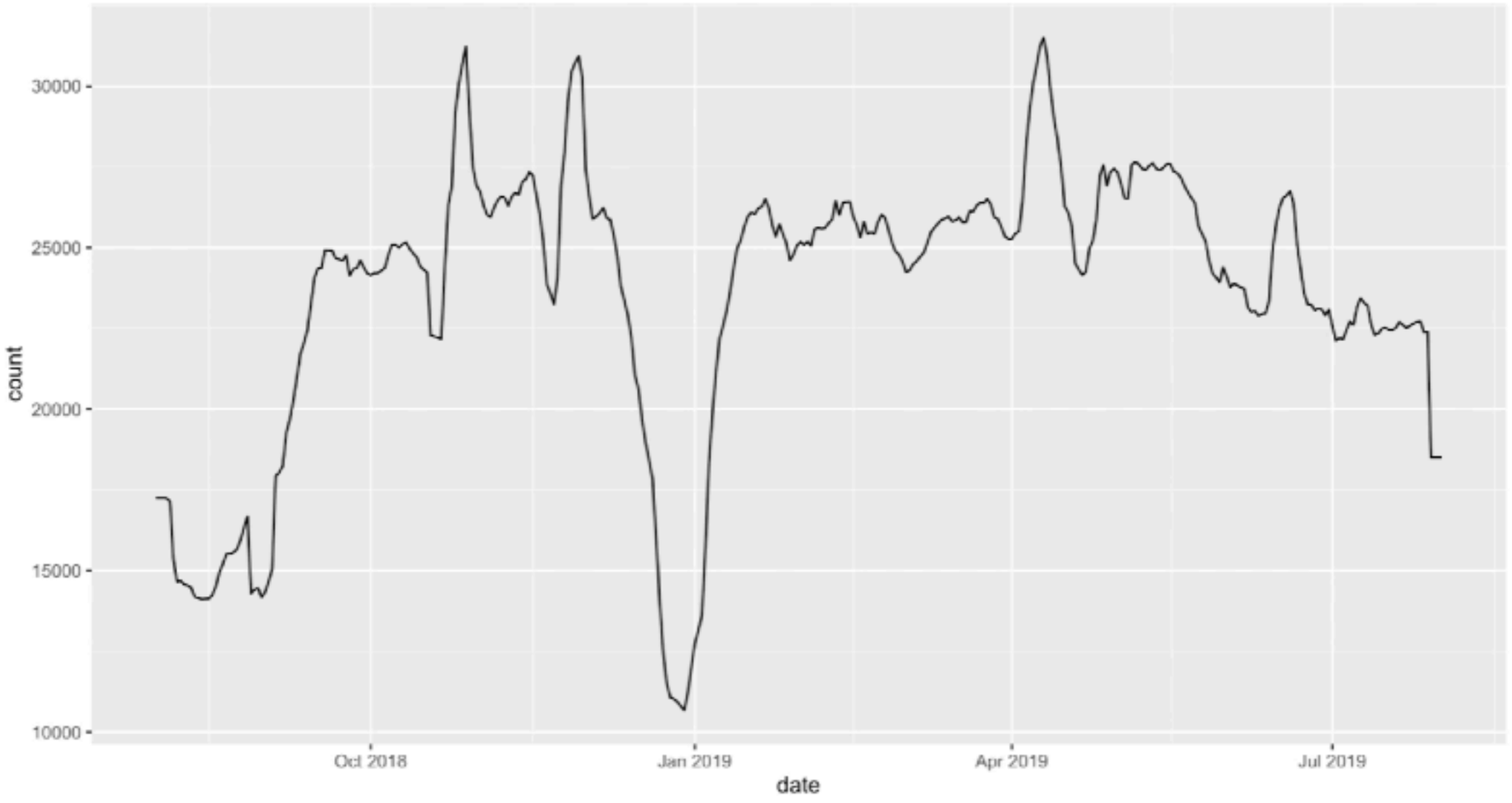


Goal: reproducible plot code

Package name

ggplot2

```
library(tidyverse)
downloads <- cranlogs::cran_downloads("ggplot2", from = Sys.Date() - 365, to = Sys.Date())
downloads_rolling <- downloads %>%
  mutate(count = zoo::rollapply(count, 7, mean, fill = "extend"))
ggplot(downloads_rolling, aes(date, count)) + geom_line()
```



```r
library(shiny)
library(tidyverse)

ui <- fluidPage(
  textInput("package", "Package name", value = "ggplot2"),
  plotOutput("plot")
)

server <- function(input, output, session) {

  downloads <- reactive({
    cranlogs::cran_downloads(
      input$package,
      from = Sys.Date() - 365,
      to = Sys.Date()
    )
  })

  downloads_rolling <- reactive({
    validate(need(sum(downloads()$count) > 0, "Input a valid package name"))

    downloads() %>%
      mutate(count = zoo::rollapply(count, 7, mean, fill = "extend"))
  })

  output$plot <- renderPlot({
    ggplot(downloads_rolling(), aes(date, count)) + geom_line()
  })
}

shinyApp(ui, server)
```