

R script

```
downloads <- cranlogs::cran_downloads("dplyr",  
  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() +  
  ggtitle("Seven day rolling average")
```

Approach 1: Copy and paste

Create and maintain two separate artifacts: Shiny app and R Markdown report

- 😘 Easy to understand
- 😘 Reproducible code is high fidelity
- 😓 Two copies of code to keep in sync
- 😓 Will not work for more dynamic apps (i.e. not only changing *parameters*, but changing *instructions*)