

1. A new family of reactive objects

Use `metaReactive2` to tell `shiny` you don't want the entire code chunk, just the part you wrap with `metaExpr()` and return it

```
> downloads <- metaReactive2({  
+   req(input$package)  
+   metaExpr(cranlogs::cran_downloads(input$package,  
+     from = Sys.Date() - 365, to = Sys.Date()))  
+ })
```

```
> withMetaMode(dataset())  
cranlogs::cran_downloads(input$package,  
  from = Sys.Date() - 365, to = Sys.Date())
```

Shiny app

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

```
downloads_rolling <- reactive({  
  downloads() %>%  
    mutate(count = zoo::rollapply(count, 7, mean, fill = "extend"))  
})
```

```
output$plot <- renderPlot({  
  ggplot(downloads_rolling(), aes(date, count)) +  
    geom_line() +  
    ggtitle("Seven day rolling average")  
})
```