Using sketch

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2021-01-09

```r
knitr::opts_chunk$set(echo = TRUE)
knitr::knit_engines$set(sketch = sketch::eng_sketch)
library(tidyverse)
```

```
-- Attaching core tidyverse packages ---------------------- tidyverse 2.0.0 --
v dplyr     1.1.2     v readr     2.1.4
v forcats   1.0.0     v stringr   1.5.0
v ggplot2   3.4.3     v tibble    3.2.1
v lubridate 1.9.2     v tidyr     1.3.0
v purrr     1.0.2
-- Conflicts ------------------------------------------ tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to becom
```

```r
library(sketch)
```

```
Attaching package: 'sketch'

The following object is masked from 'package:dplyr':

    src

The following object is masked from 'package:base':

    local
```

```r
#devtools::install_github("seankross/p5")
library(p5)
```

Attaching package: 'p5'

The following object is masked from 'package:dplyr':

    between

The following object is masked from 'package:tidyr':

    fill

The following object is masked from 'package:stats':

    line

The following object is masked from 'package:graphics':

    rect

Introduction

Trying to replicate this: https://kcf-jackson.github.io/sketch-website/docs/

```r
print("'sketch' has its own knitr engine from version 1.0.5!")
```

```r
sketch::insert_sketch(
  file = "./Using_sketch/main.R", id = "sketch_1",
  width = 500, height = 400
)
```

```r
sketch::insert_sketch(
  file = "./Using_sketch/dots.R", id = "sketch_2", deparsers = default_2_deparsers(),
    width = 800, height = 600
  )
```

```r
sketch::insert_sketch(
  file = "./Using_sketch/animated_dots.R", id = "sketch_2",
  deparsers = default_2_deparsers(),
    width =800, height = 600
  )


p5::p5() |>
  createCanvas(800, 600) |>
  background("#F4F8FC") |>
  fill("yellow") |>
  ellipse(~mouseX, ~mouseY, 30, 30)
```

```r
stripes <- tibble(
  x = rep(0, 7),
  y = cumsum(c(0, rep(30, 6))),
  w = rep(300, 7),
  h = rep(15, 7)
)
stripes
```

```
# A tibble: 7 x 4
      x     y     w     h
  <dbl> <dbl> <dbl> <dbl>
1     0     0   300    15
2     0    30   300    15
3     0    60   300    15
4     0    90   300    15
5     0   120   300    15
6     0   150   300    15
7     0   180   300    15
```
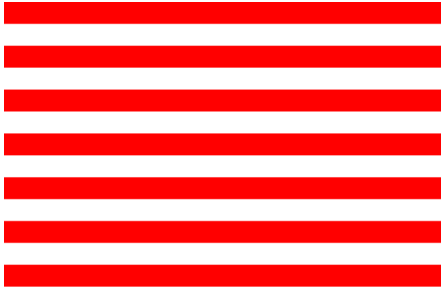
```r
stripes %>%
  p5() %>%
  createCanvas(300, 200) %>%
  fill("#FF0000") %>%
  noStroke() %>%
  rect()
```

```r
#! load_script(src = "https://cdnjs.cloudflare.com/ajax/libs/p5.js/0.9.0/p5.js")
setup <- function() {
    createCanvas(400, 300)
}

draw <- function() {
    background(0, 0, 33)     # RGB colors

    for (i in 1:3) {
        dia <- sin(frameCount * 0.025) * 30 * i
        fill(255, 70 * i, 0)        # RGB colors
        circle(100 * i, 150, dia)   # (x, y, diameter)
    }
}
```