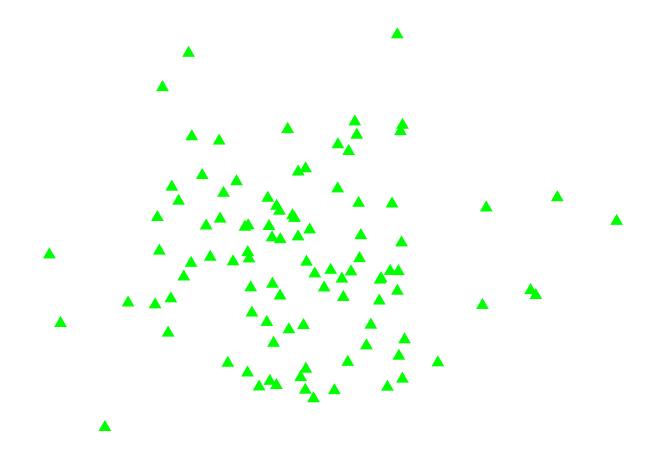# Assignment 3.2

2023-01-27

Q3.2.2

```r
library(ggplot2)
make.art <- function(seed = NULL) {
  if (!is.null(seed)) {
    set.seed(seed)
  }
  shape <- sample(c("circle", "square", "triangle"), 1)
  color <- sample(c("red", "blue", "green"), 1)
  size <- sample(1:10, 1)
  x <- rnorm(100)
  y <- rnorm(100)

  ggplot() +
    geom_point(aes(x, y), shape = shape, color = color, size = size) +
    theme_void()
}
make.art() #test
```

```
make.art(seed = 101) #test
```