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Assignment 0

Exercise 0.6

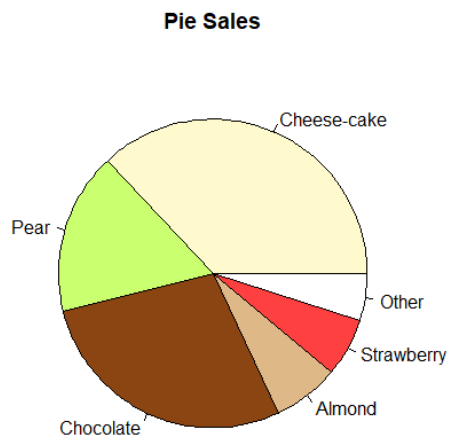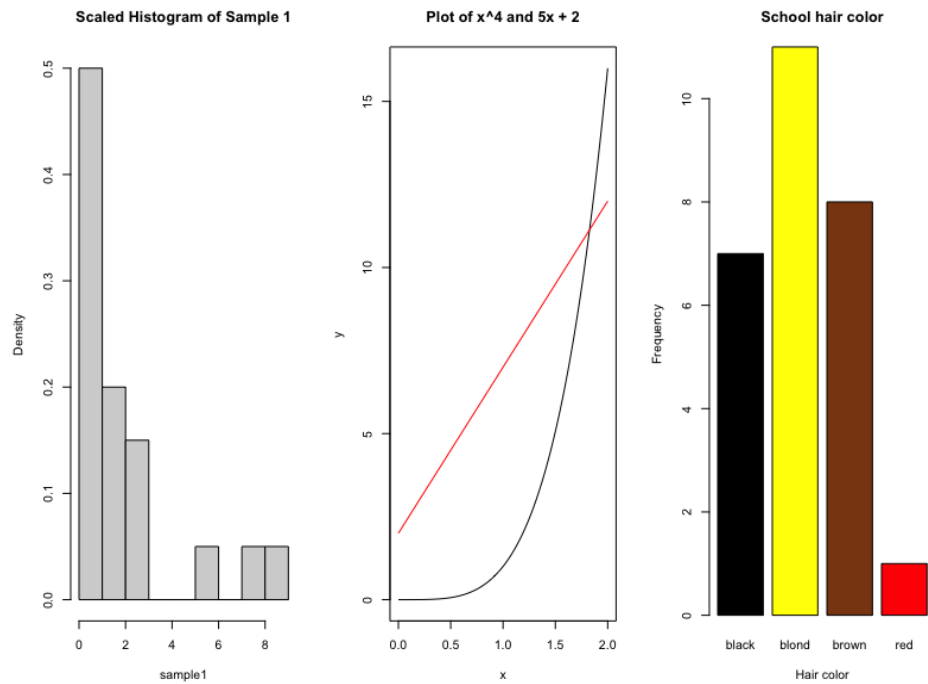Scaled Histogram of Sample 1 · Plot of x^4 and 5x + 2 · School hair color

Pie Sales

Appendix

Exercise 0.7

a)
```
functionA = function(x) {
  (x-3)^2
}
```

b)
```
functionB = function() {
  vase = c(rep("red", 30), rep("white", 70))
  s = sample(vase, 50, replace = T)

  paste0("White: ", length(s[s=="white"]), "/50", " - Red: ",
       length(s[s=="red"]), "/50")
}
```

c)
```
functionC = function(n = 10, mr = 30, mw = 70) {
  vase = c(rep("red", mr), rep("white", mw))
  s = sample(vase, n, replace = T)

  paste0("White: ", length(s[s=="white"]), "/",n, " - Red: ",
       length(s[s=="red"]), "/",n)
}
```

d)
```
functionD=function() {
  u=numeric(200)
  for(i in 1:200) {
    u[i]=median(sample(1:90,40))
  }
  u
}
```