

# Paul Kogan-HW2

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```
if (!require("pacman")) install.packages("pacman")
pacman::p_load(evir, ISwR, MASS)
options(warn = -1)
```

1

```
cat("a)\t", pnorm(16, 15, 3), "\nb)\t", pchisq(8, 10), "\nc)\t",
    dbinom(5, 10, 0.4), "\nd)\t", dpois(5, 3))
```

```
## a)    0.6305587
## b)    0.3711631
## c)    0.2006581
## d)    0.1008188
```

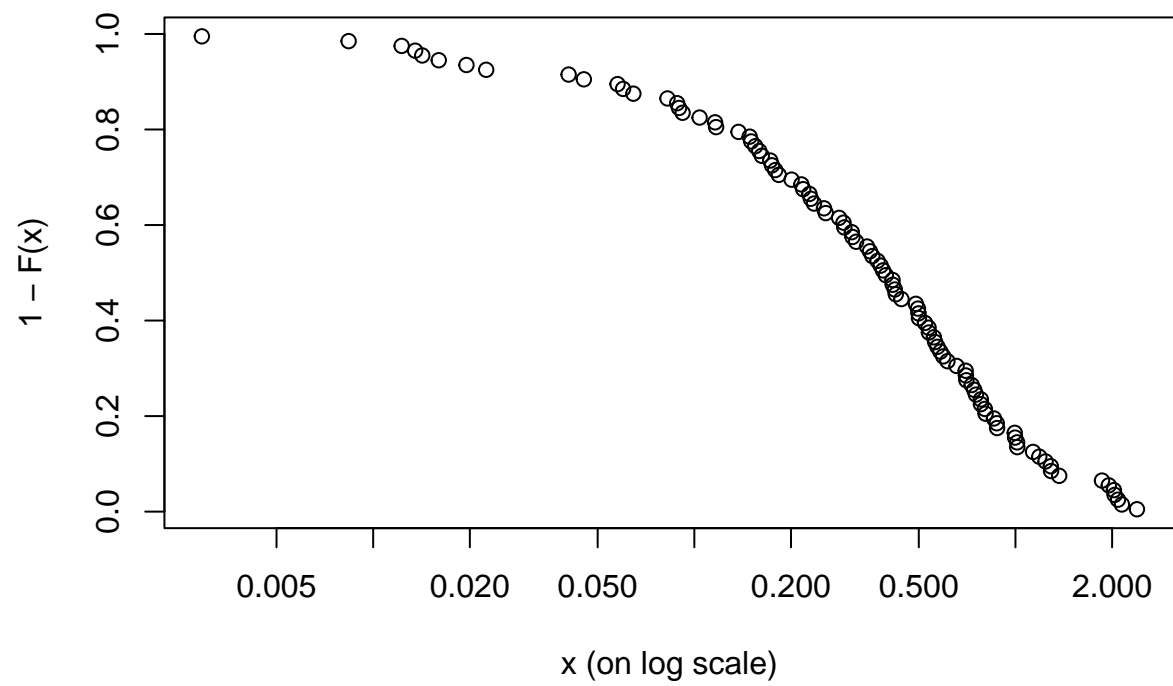
2

```
table <- as.table(array(c(25, 18, 13, 6, 121, 92, 130, 87), dim = c(4, 2),
                        dimnames = list(c("18-20", "21-23", "24-25", ">25"),
                                         c("Yes", "No"))))
names(attributes(table)$dimnames) <- c("Age", "Accidents")
table
```

```
##      Accidents
## Age   Yes  No
## 18-20  25 121
## 21-23  18  92
## 24-25  13 130
## >25     6  87
```

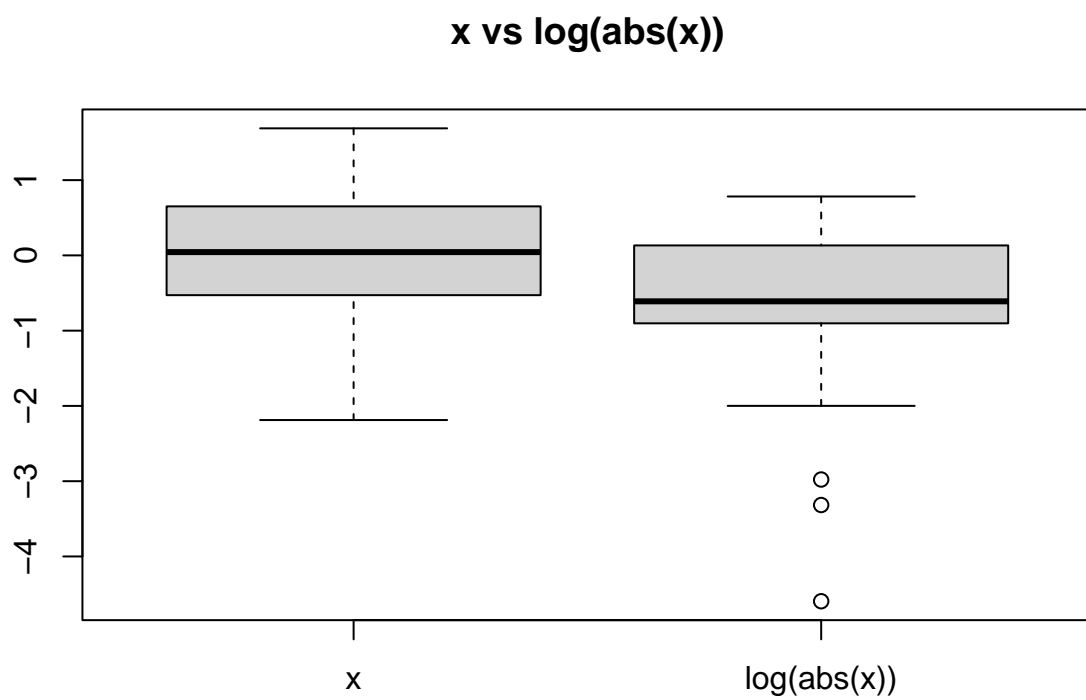
3

```
evir::emplot(rexp(100, 2))
```



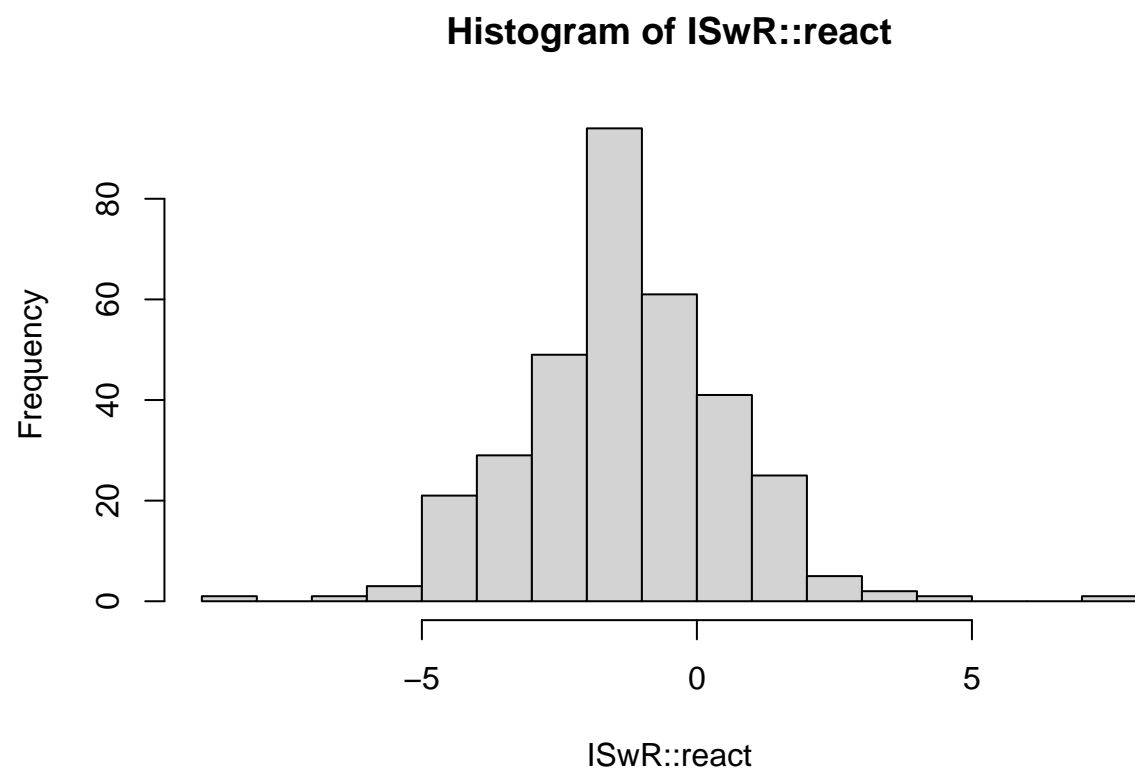
4

```
x <- rnorm(50)
boxplot(x, log(abs(x)), main = "x vs log(abs(x))",
        names = c("x", "log(abs(x))"))
```



5 (1)

```
hist(ISwR::react, breaks = 18)
```



5 (2)

```
MASS::truehist(ISwR::react)
```

