Paul Kogan-HW2

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

1

```r
cat("a)\t", pnorm(16, mean = 15, sd = 3, lower.tail = FALSE), "\nb)\t",
    pchisq(8, 10), "\nc)\t", dbinom(5, 10, 0.4), "\nd)\t", dpois(5, 3))
```

```
## a)    0.3694413
## b)    0.3711631
## c)    0.2006581
## d)    0.1008188
```
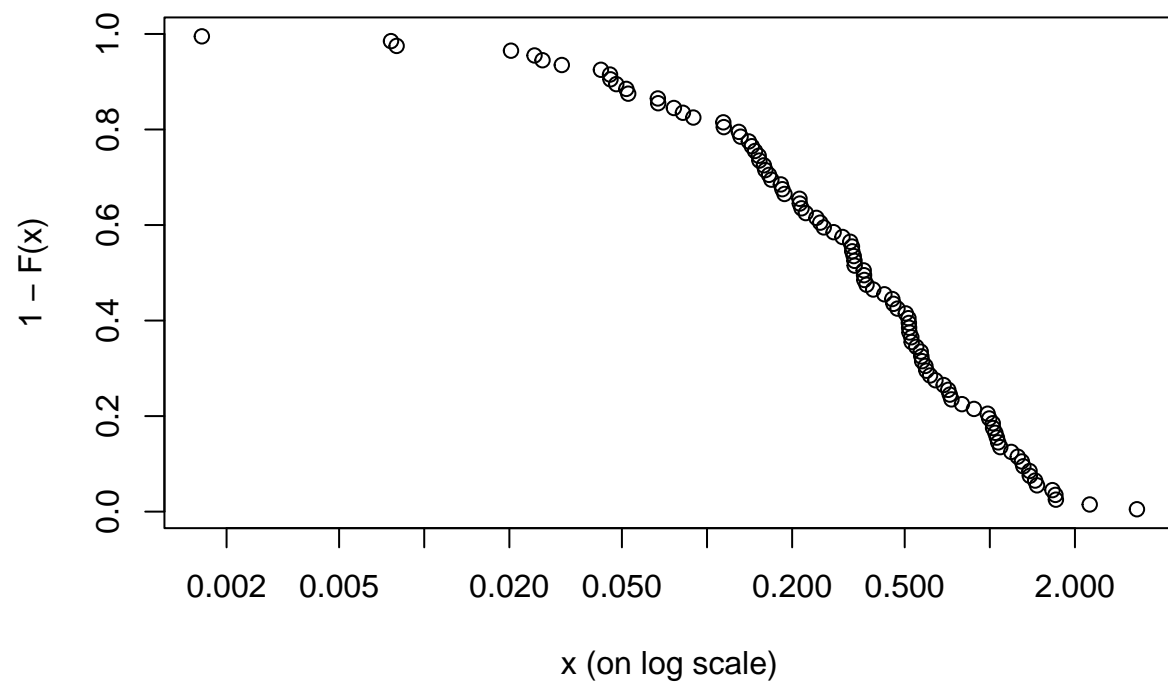
2

```r
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
```
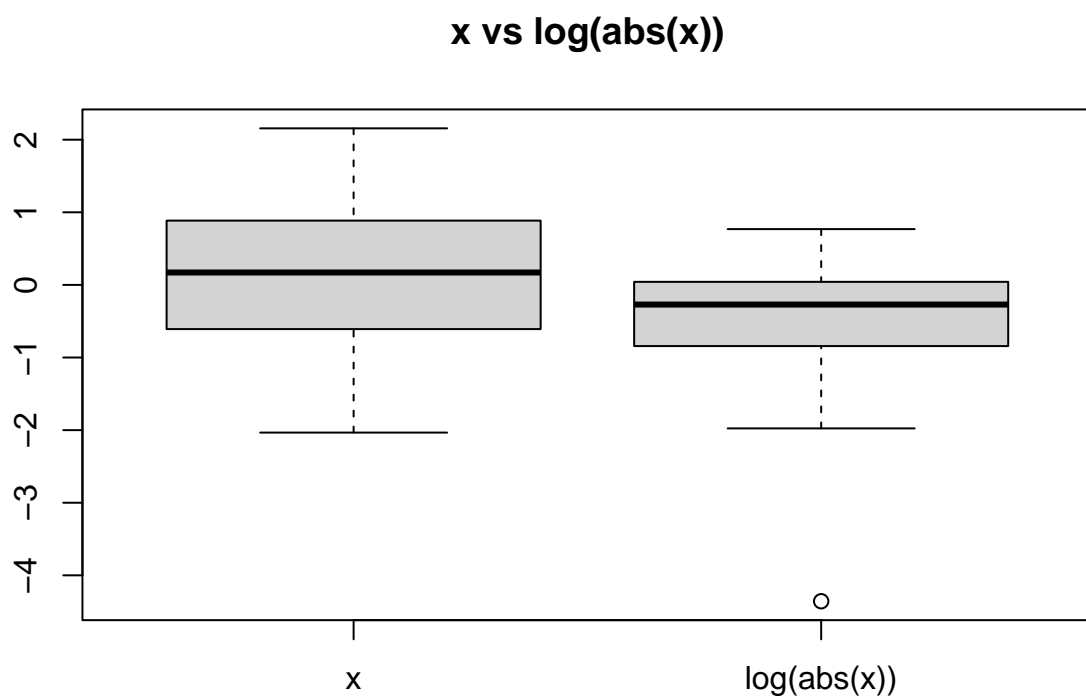
3
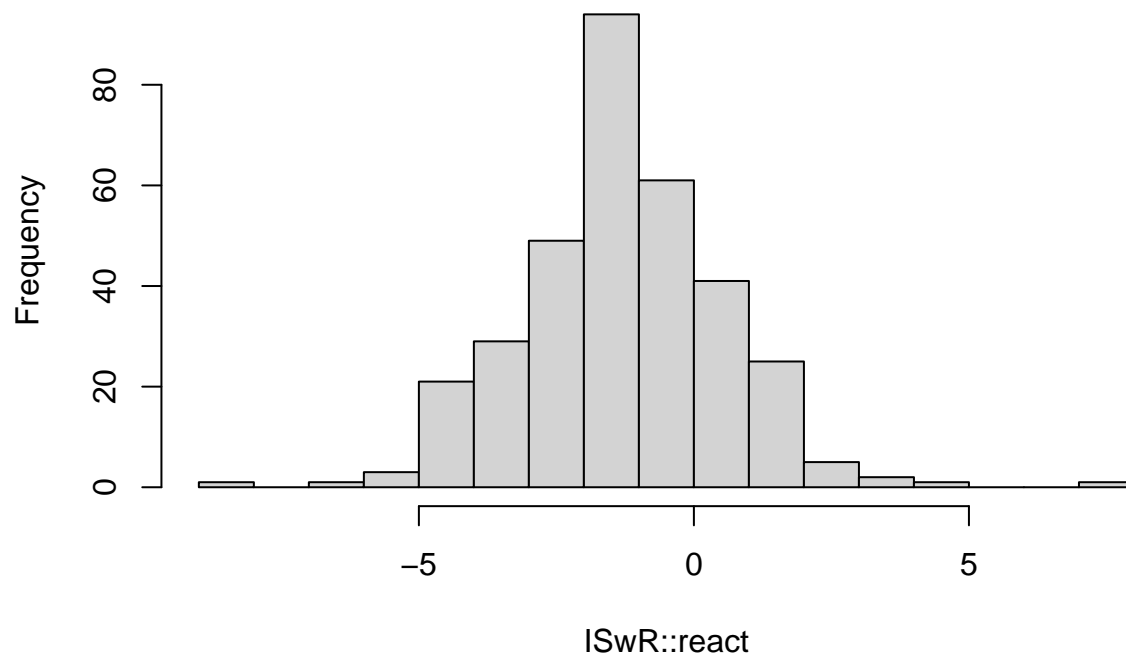
```r
evir::emplot(rexp(100, 2))
```

4

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

x vs log(abs(x))

5 *(1)*

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

Histogram of ISwR::react

5 *(2)*

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

ISwR::react