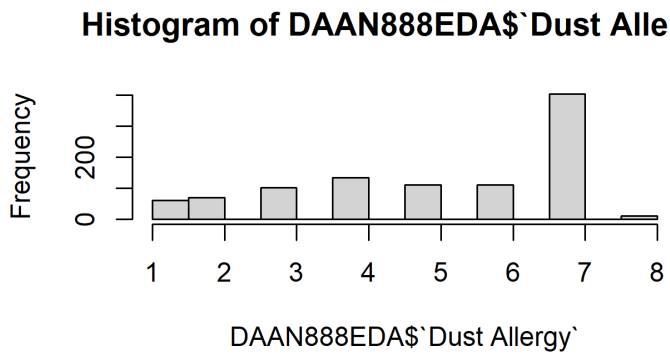
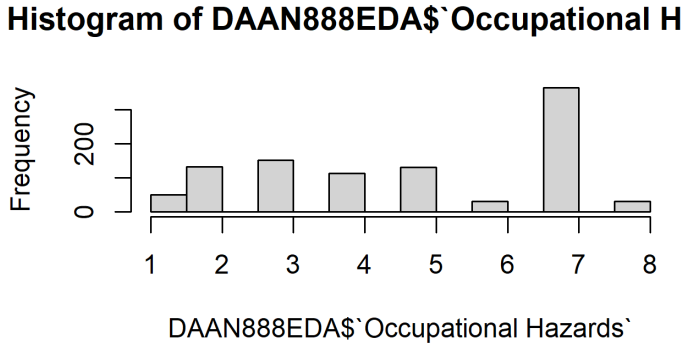
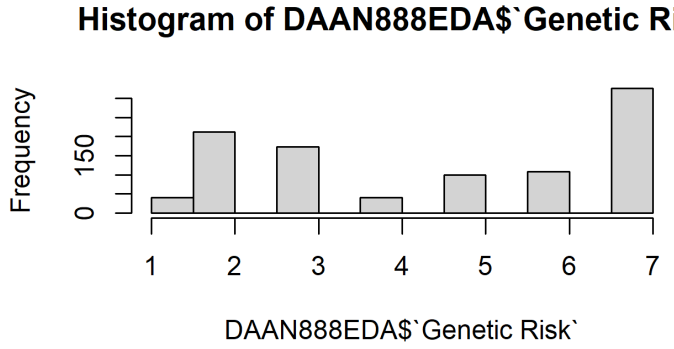
```
> library(readxl)
> DAAN888EDA <- read_excel("C:/Users/turne/DAAN888EDA.xlsx")
> View(DAAN888EDA)
> hist(DAAN888EDA$`Dust Allergy`)
```



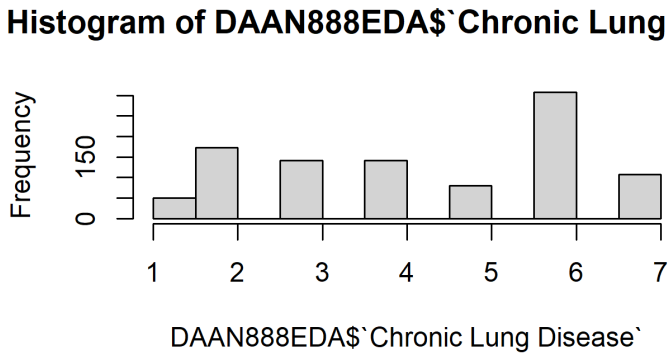

```
> hist(DAAN888EDA$`Occupational Hazards`)
```




```
> hist(DAAN888EDA$`Genetic Risk`)
```



```
> hist(DAAN888EDA$`Chronic Lung Disease`)
```




```
> sum(is.na(DAAN888EDA))
[1] 0

> summary(DAAN888EDA$`Dust Allergy`)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000   4.000   6.000   5.165   7.000   8.000
> summary(DAAN888EDA$`Occupational Hazards`)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
   1.00    3.00    5.00    4.84    7.00    8.00
> summary(DAAN888EDA$`Genetic Risk`)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
   1.00    2.00    5.00    4.58    7.00    7.00
> summary(DAAN888EDA$`Chronic Lung Disease`)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
   1.00    3.00    4.00    4.38    6.00    7.00

> View(DAAN888EDA)
> library(tidyverse)
> cor.test(DAAN888EDA$`Dust Allergy`, DAAN888EDA$`Occupational Hazards`, method
= "pearson")

        Pearson's product-moment correlation

data:  DAAN888EDA$`Dust Allergy` and DAAN888EDA$`Occupational Hazards`
t = 48.103, df = 998, p-value < 2.2e-16
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 0.8161580 0.8536204
sample estimates:
      cor
0.8358598
```

```
> cor.test(DAAN888EDA$`Dust Allergy`, DAAN888EDA$`Genetic Risk`, method =
"pearson")

        Pearson's product-moment correlation

data:  DAAN888EDA$`Dust Allergy` and DAAN888EDA$`Genetic Risk`
t = 40.42, df = 998, p-value < 2.2e-16
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 0.7631884 0.8103173
sample estimates:
      cor
0.7879039
> cor.test(DAAN888EDA$`Dust Allergy`, DAAN888EDA$`Chronic Lung Disease`, method
= "pearson")

        Pearson's product-moment correlation

data:  DAAN888EDA$`Dust Allergy` and DAAN888EDA$`Chronic Lung Disease`
t = 24.935, df = 998, p-value < 2.2e-16
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 0.5798332 0.6563402
sample estimates:
      cor
0.6195559

> cor.test(DAAN888EDA$`Occupational Hazards`, DAAN888EDA$`Genetic Risk`, method
= "pearson")

        Pearson's product-moment correlation

data:  DAAN888EDA$`Occupational Hazards` and DAAN888EDA$`Genetic Risk`
t = 62.7, df = 998, p-value < 2.2e-16
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 0.8797615 0.9049415
sample estimates:
      cor
0.8930485

> cor.test(DAAN888EDA$`Occupational Hazards`, DAAN888EDA$`Chronic Lung
Disease`, method = "pearson")

        Pearson's product-moment correlation

data:  DAAN888EDA$`Occupational Hazards` and DAAN888EDA$`Chronic Lung Disease`
t = 52.836, df = 998, p-value < 2.2e-16
alternative hypothesis: true correlation is not equal to 0
```

```
95 percent confidence interval:
 0.8410406 0.8737849
sample estimates:
      cor
0.8582839

> cor.test(DAAN888EDA$`Genetic Risk`, DAAN888EDA$`Chronic Lung Disease`, method
= "pearson")

      Pearson's product-moment correlation

data:  DAAN888EDA$`Genetic Risk` and DAAN888EDA$`Chronic Lung Disease`
t = 48.174, df = 998, p-value < 2.2e-16
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 0.8165691 0.8539545
sample estimates:
      cor
0.8362308
```