ABW

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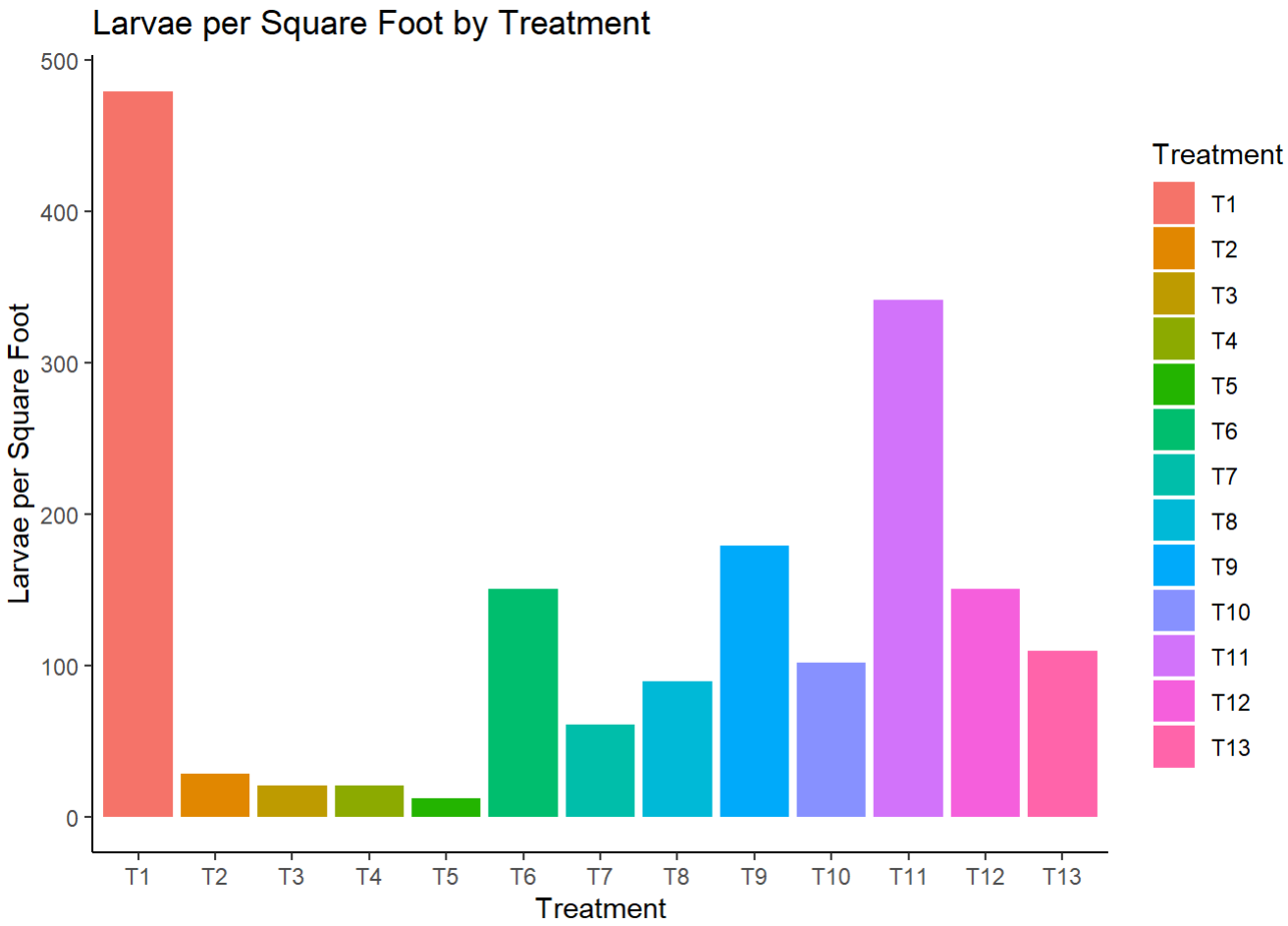
Load the data

```
library(readxl)
ABW<-read_excel("C:/Users/raksha suresh/Desktop/ent tech/ABW-Data/ABWTrial_Ent6707_Cleaned5.xlsx")
ABW$Treatment <- factor(ABW$Treatment, levels=c("T1","T2","T3","T4","T5","T6","T7","T8","T9","T10","T11","T12","T13"))
```

Bar graph

```
library(ggplot2)
ggplot(ABW, aes(x = Treatment, y = Larvae_per_square_foot, fill = Treatment)) +
  geom_bar(stat = "identity") +
  theme_classic() +
  labs(title = "Larvae per Square Foot by Treatment",
       x = "Treatment",
       y = "Larvae per Square Foot")
```



summary statistics

```
library(plotrix)
ABW %>%
 group_by(Treatment) %>%
 summarise(means = round(mean(Larvae_per_square_foot),2), SE = round(std.error(Larvae_per_square_foot),2))
```

```
## # A tibble: 13 × 3
##    Treatment means    SE
##    <fct>     <dbl> <dbl>
##  1 T1        79.9  24.9
##  2 T2         4.74  4.74
##  3 T3         3.39  2.2
##  4 T4         3.39  2.2
##  5 T5         2.03  1.39
##  6 T6        25.0   7.52
##  7 T7        10.2   2.29
##  8 T8        14.9   9.54
##  9 T9        29.8   7.39
## 10 T10       16.9   6.15
## 11 T11       56.9  14.9
## 12 T12       25.0   6.91
## 13 T13       18.3   4.54
```