Hypothesis Testing- Fantaloons

```
> df_tab2 = table(df_falt);df_tab2
      Day
Gender Weekdays Weekend
     1      287     233
     2      113     167
```

```
> chisq.test(df_tab2)

        Pearson's Chi-squared test with Yates' continuity correction

data:  df_tab2
X-squared = 15.434, df = 1, p-value = 8.543e-05
```

P value 8.543e-05 < 0.05, so rejecting null hypothesis and accepting Ha.

Males and females walking into store in weekdays and weekend are differ.

Two Proportional T Test

```
2-sample test for equality of proportions without continuity correction

data:  c(66, 120) out of c(280, 340)
X-squared = 10.048, df = 1, p-value = 0.001525
alternative hypothesis: two.sided
95 percent confidence interval:
 -0.18830339 -0.04615039
sample estimates:
   prop 1    prop 2
0.2357143 0.3529412
```

```
> prop.test(x=c(167,47),n=c(280,340),conf.level = 0.95,
+           correct = FALSE,alternative = "two.sided")

        2-sample test for equality of proportions without continuity correctio
n

data:  c(167, 47) out of c(280, 340)
X-squared = 142.62, df = 1, p-value < 2.2e-16
alternative hypothesis: two.sided
95 percent confidence interval:
 0.3900153 0.5263713
sample estimates:
   prop 1    prop 2
0.5964286 0.1382353
```

P values are less than 0.05, so rejecting Ho and accepting Ha.