

# Analyses

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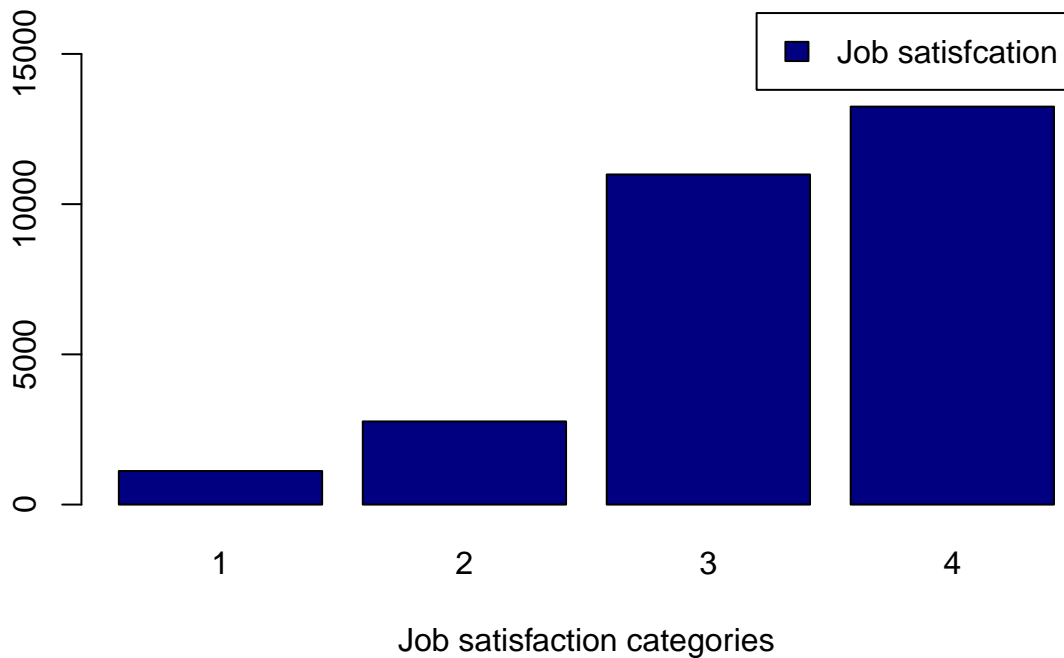
*14 Apr 2016*

```
if(!file.exists("data_final.rda")) {  
  source('data_combine.R')  
}  
  
# Opens data_final.rda if not already loaded as an object  
if(!exists("z.df" )) {  
  load("data_final.rda")  
}
```

## Descriptive results

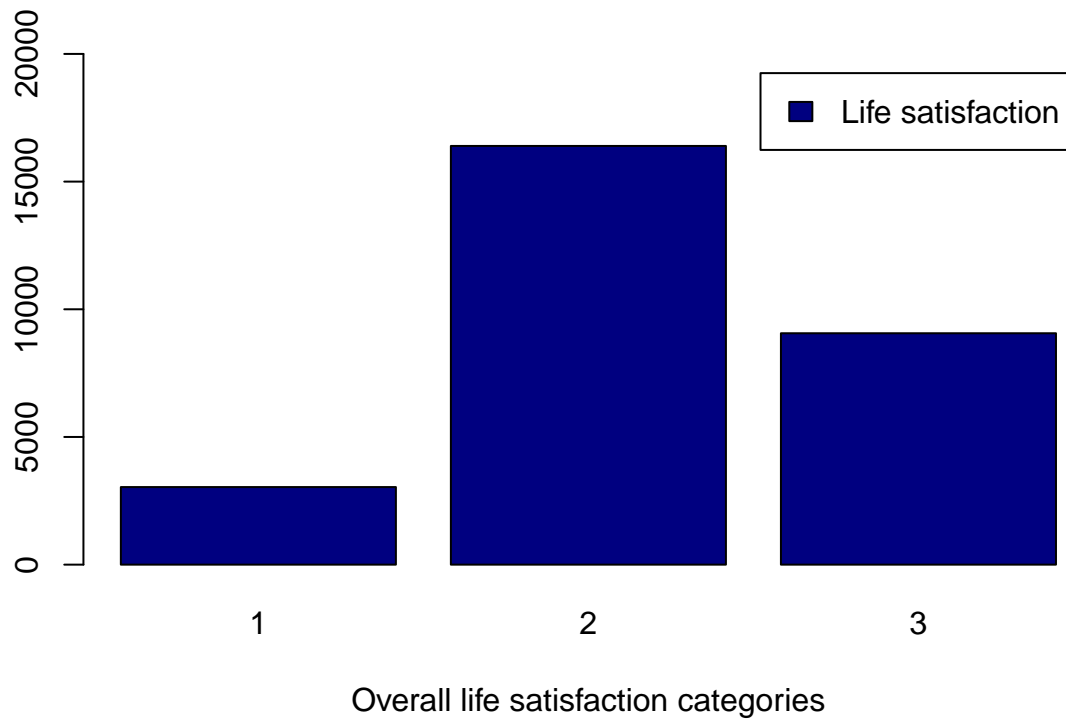
Distribution of happiness variables !should probably be in a table!

```
satjob.freq <- table(z$satjob)  
  
barplot(satjob.freq,  
  col=c("navyblue"),  
  xlab = "Job satisfaction categories",  
  legend = c("Job satisfcation"),  
  ylim = c(0, 17000)  
)
```



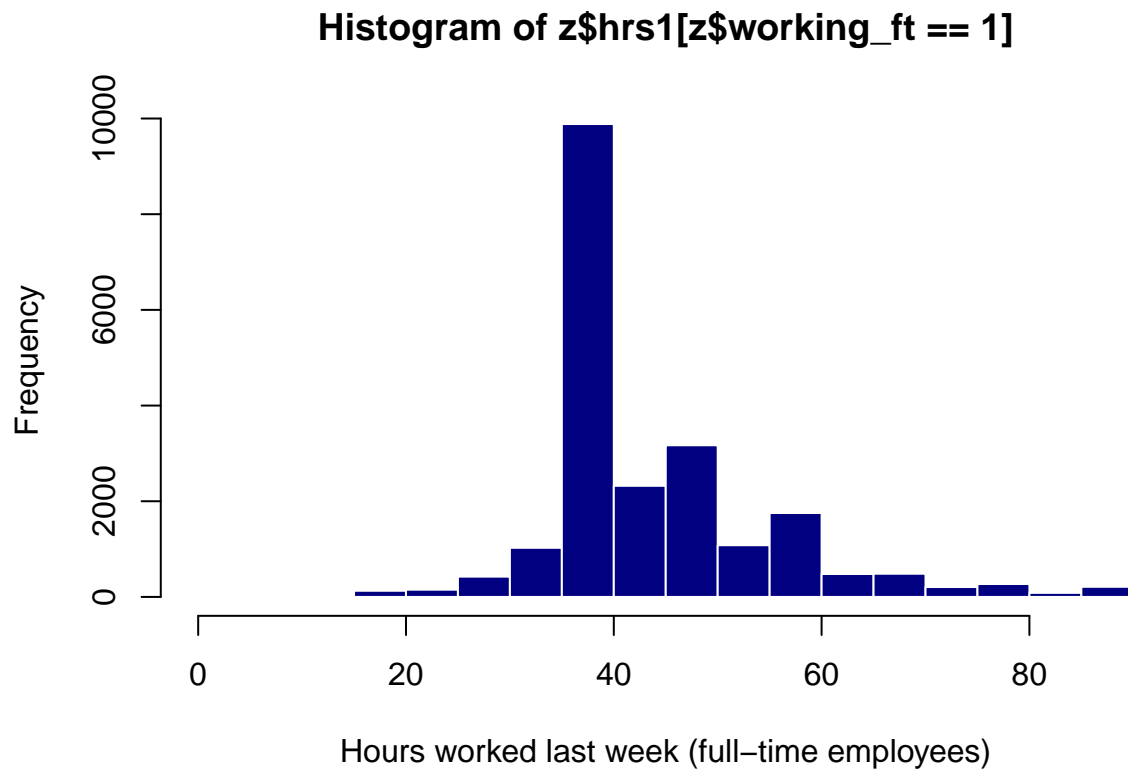
```
sat.freq <- table(z$happy)
```

```
barplot(sat.freq,
  col=c("navyblue"),
  xlab = "Overall life satisfaction categories",
  legend = c("Life satisfaction"),
  ylim = c(0, 20000)
)
```



## Distribution of work-hours for full-time workers

```
hist(z$hrs1[z$working_ft==1],
  col=c("navyblue"),
  border = "White",
  xlab = "Hours worked last week (full-time employees)"
)
```



## Happiness for women and men at different ages

```
## Combined
t <- z
ggplot() +
  stat_summary(data = t[t$sex == 1 & t$educat == 4,], aes(x=factor(age), y=vhappy),
    fun.y="mean", geom="point", col="Navyblue") +
  stat_summary(data = t[t$sex == 2 & t$educat == 4,], aes(x=factor(age), y=vhappy),
    fun.y="mean", geom="point", col="Red") +
  expand_limits(y=c(0.2,0.6)) +
  theme_bw()
```

```
## Warning: Removed 374 rows containing non-finite values (stat_summary).
```

```
## Warning: Removed 439 rows containing non-finite values (stat_summary).
```

