

—output: pdf_document: default html_document: default —

title: “EDA_Aherendira”

output: html_document

The data set I decided to look into is called HighSchool and Beyond. This study was done as part of the NCES’ National Longitudinal Studies Program. This study shows how students did academically in private vs public school.

```
hsb2<-read.table("/Users/aa/Desktop/math130/Data /hsb2.txt", header=TRUE, sep="\t")
```

```
table(hsb2$schtyp)
```

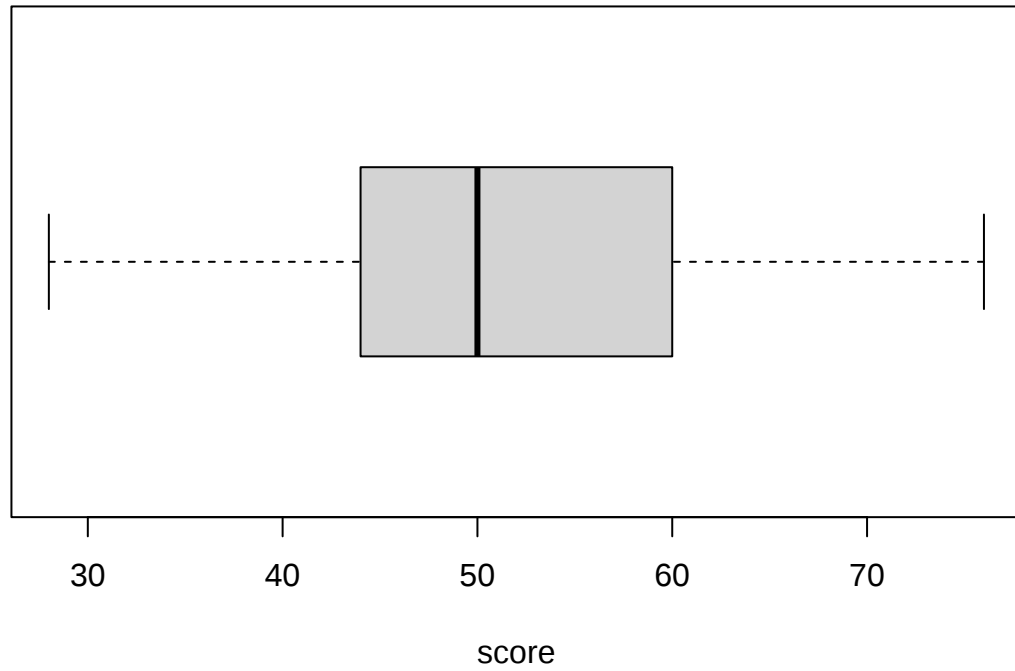
```
##  
## private  public  
##      32      168
```

```
str(hsb2)
```

```
## 'data.frame':  200 obs. of  11 variables:  
## $ id      : int  70 121 86 141 172 113 50 11 84 48 ...  
## $ gender  : chr  "male" "female" "male" "male" ...  
## $ race    : chr  "white" "white" "white" "white" ...  
## $ ses     : chr  "low" "middle" "high" "high" ...  
## $ schtyp  : chr  "public" "public" "public" "public" ...  
## $ prog    : chr  "general" "vocational" "general" "vocational" ...  
## $ read    : int  57 68 44 63 47 44 50 34 63 57 ...  
## $ write   : int  52 59 33 44 52 52 59 46 57 55 ...  
## $ math    : int  41 53 54 47 57 51 42 45 54 52 ...  
## $ science : int  47 63 58 53 53 63 53 39 58 50 ...  
## $ socst   : int  57 61 31 56 61 61 61 36 51 51 ...
```

```
boxplot(hsb2$read, horizontal = TRUE, main="Read scores", xlab="score")
```

Read scores

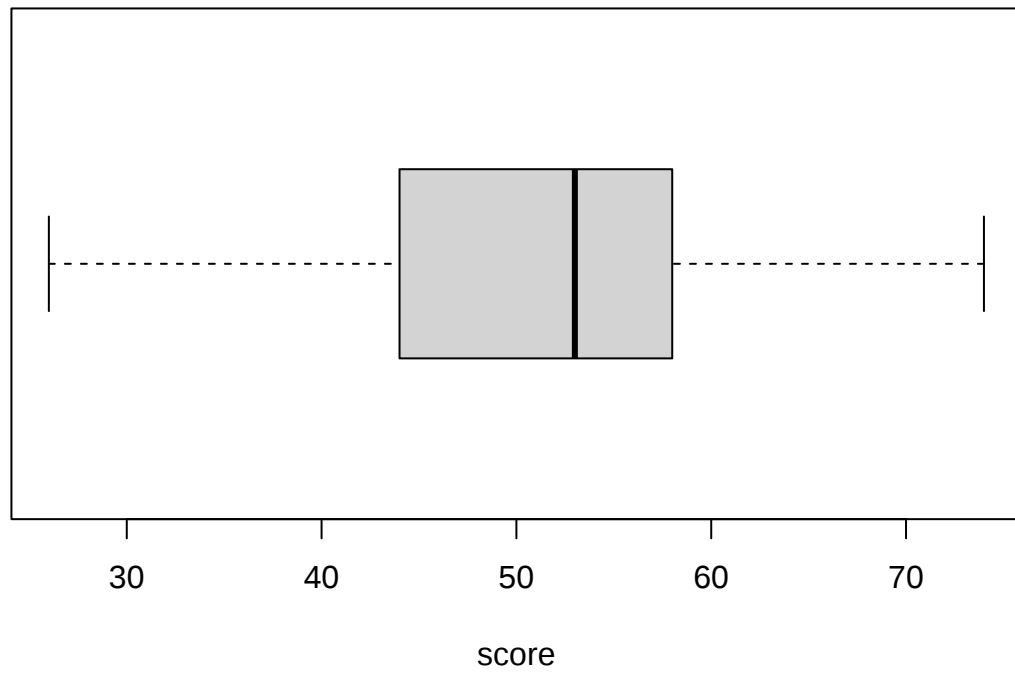


```
summary(hsb2$read)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##  28.00   44.00   50.00   52.23   60.00   76.00
```

```
boxplot(hsb2$science, horizontal = TRUE, main="science scores", xlab="score")
```

science scores



```
summary(hsb2$science)
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##  26.00   44.00   53.00   51.85   58.00   74.00
```

```
##
```