Math 150 Survival Analysis Project

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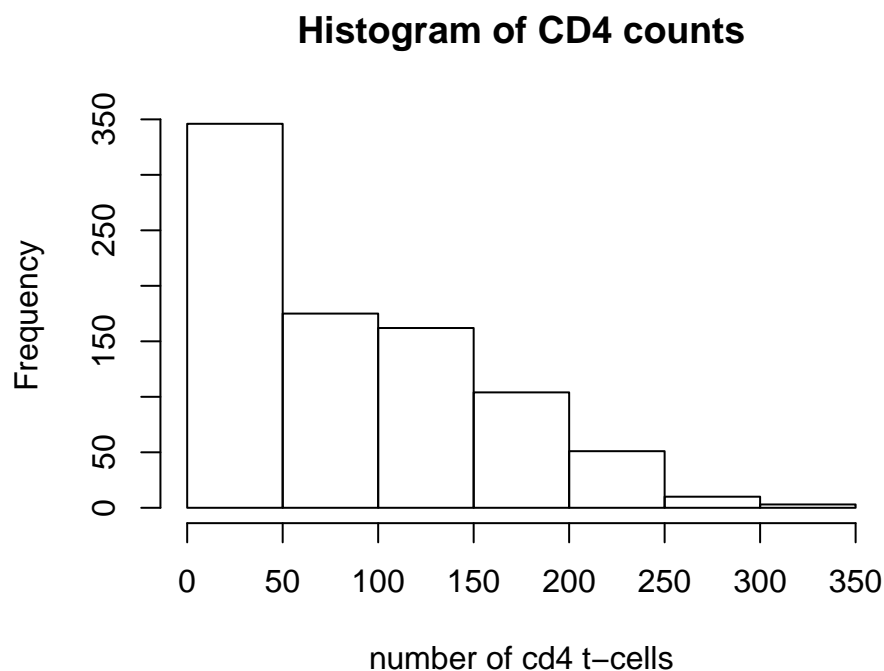*April 8, 2019*

```
knitr::opts_chunk$set(message=FALSE, warning=FALSE, fig.height=4, fig.width=5,
                      fig.align = "center")
library(tidyverse)
library(broom)
library(survival)
```

Importing data:#
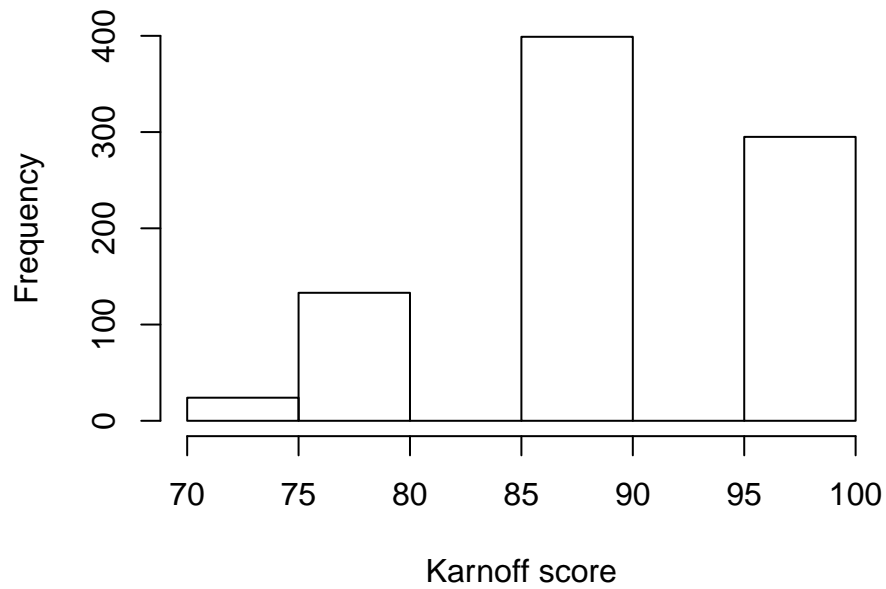
```
AD = read.csv("AIDSdata.csv")
```

Some exploratory plots:

```
hist(AD$cd4, main = "Histogram of CD4 counts", xlab = "number of cd4 t-cells")
```
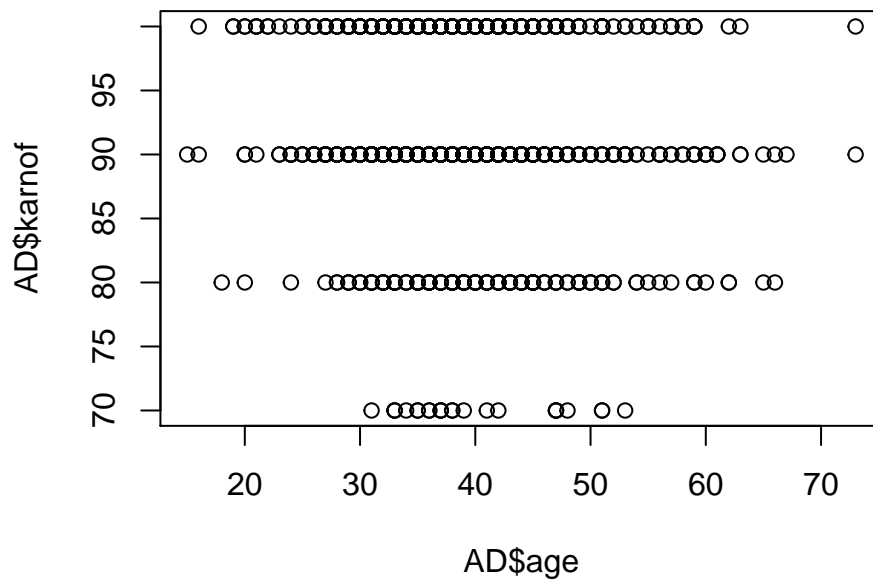
Histogram of CD4 counts


```
hist(AD$karnof, main = "Histogram of Karnof scores", xlab = "Karnoff score", breaks = 5)
```

Histogram of Karnof scores


```
#I'm having a hard time getting the histogram breaks right - karnoff scores are multiples of 10 and it
plot(AD$age, AD$karnof, main = "plot of karnof score vs age")
```

plot of karnof score vs age

```r
plot(AD$cd4, AD$time, main ="time vs cd4 count, ignoring censoring")
```


time vs cd4 count, ignoring censoring