E80 Data Analysis: Temperature at Third Depth

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Load, separate data into desired vectors.

```
# load data
location1temps = read.csv("~/Downloads/Temp Data Analysis - Depth 3.csv")

# identify columns
colnames(location1temps) = c("t1145","t1","t145", "t210", "t245")

# assign vectors for desired times- isolate nonzero values from matrix
# exported from matlab
t1145 = (location1temps$t1145[1:240])
t1 = (location1temps$t1[1:149])
t145 = (location1temps$t145[1:213])
t210 = (location1temps$t210[1:242])
t245 = (location1temps$t245[1:209])
```

Means and basic plot.

Next we average the data sets, and plot the temperature voltage over time of day.

```
mean(t1145)
```

```
## [1] 0.7513149
```

```
mean(t1)
```

```
## [1] 0.8100329
```

```
mean(t145)
```

```
## [1] 0.8098663
```

```
mean(t210)
```

```
## [1] 0.832475
```

```
mean(t245)
```