# Assignment 1

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```
dat=read.csv('http://dmcglinn.github.io/quant_methods/data/tgpp.csv', header= T)
```

Question #1: Column names: plot, year, record\_id, corner, scale, richness, easting, northing, slope, ph, yrsslb

## Question 2: 4080 rows, 11 columns

```
dim(dat)
## [1] 4080 11
```

### Question 3: object type: vector

```
class(dat[ ,1])

## [1] "integer"

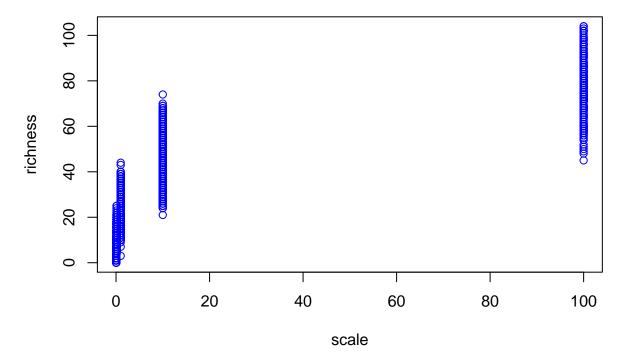
sapply(X= dat, FUN= class)

## plot year record_id corner scale richness easting
## "integer" "integer" "integer" "numeric" "integer" "integer"
## northing slope ph yrsslb
## "integer" "integer" "numeric" "numeric"
```

Question 4: (Row 1, Column 3: 187), (Row 5, Column 7: 727000), (Row 8, Column 10: 6.9)

#### Question 5:

```
#png(./scale_vs_richness.png')
plot(richness ~ scale, data=dat, xlab= 'scale', ylab= 'richness', col= 'blue')
```



## Question 6: see plot, plot goes into logarithmic scale

```
plot(richness ~ scale, data=dat, xlab= 'scale', ylab= 'richness', col= '300', log= 'xy')
```

## Warning in xy.coords(x, y, xlabel, ylabel, log): 4 y values <= 0 omitted ## from logarithmic plot

