Final Project - Setup

Experiments and Causality

March 11, 2018

```
download_path = "/Users/nisnair/Desktop/MIDS/Coursework/Term5/W241/Assignments/FinalProj

#Randomize the index with 1 or 0
randomize <- function() {
  sample(c(rep(0,20),rep(1,20)))
}

assign_resume <- function(company_id){
  user <- randomize()
  good <- company_id*user
  bad <- company_id*(1-user)
  return (data.frame(good = good[good != 0],
                     bad = bad[bad != 0]))
}

#Get assignments for users in CA
company_id_ca <- c(1:40)
user_1 = assign_resume(company_id_ca)
write.table(user_1,paste(download_path,"/user1.txt",sep=""), sep="\t")

user_2 = assign_resume(company_id_ca)
write.table(user_2, paste(download_path,"/user2.txt",sep=""), sep="\t")

#Get assignments for users in NY
company_id_ny <- c(41:80)
user_3 = assign_resume(company_id_ny)
write.table(user_3, paste(download_path,"/user3.txt",sep=""), sep="\t")

user_4 = assign_resume(company_id_ny)
write.table(user_4, paste(download_path,"/user4.txt",sep=""), sep="\t")

user_1
```

```
##    good bad
## 1     1   2
## 2     3   8
## 3     4   9
## 4     5  11
```

```
## 5     6  12
## 6     7  14
## 7    10  16
## 8    13  18
## 9    15  19
## 10   17  21
## 11   20  22
## 12   24  23
## 13   25  26
## 14   28  27
## 15   30  29
## 16   33  31
## 17   34  32
## 18   36  35
## 19   37  38
## 20   40  39
```

```
user_2
```

```
##    good bad
## 1     1   3
## 2     2   4
## 3     6   5
## 4     7   8
## 5     9  10
## 6    12  11
## 7    13  15
## 8    14  17
## 9    16  21
## 10   18  25
## 11   19  26
## 12   20  27
## 13   22  29
## 14   23  32
## 15   24  33
## 16   28  34
## 17   30  35
## 18   31  38
## 19   36  39
## 20   37  40
```

```
user_3
```

```
##    good bad
## 1    42  41
## 2    44  43
```

```
## 3    45  46
## 4    48  47
## 5    49  51
## 6    50  52
## 7    53  54
## 8    57  55
## 9    61  56
## 10   63  58
## 11   64  59
## 12   65  60
## 13   67  62
## 14   69  66
## 15   71  68
## 16   72  70
## 17   75  73
## 18   78  74
## 19   79  76
## 20   80  77
```

```
user_4
```

```
##    good bad
## 1    41  45
## 2    42  47
## 3    43  50
## 4    44  56
## 5    46  57
## 6    48  59
## 7    49  60
## 8    51  61
## 9    52  62
## 10   53  65
## 11   54  66
## 12   55  71
## 13   58  72
## 14   63  73
## 15   64  74
## 16   67  75
## 17   68  76
## 18   69  77
## 19   70  79
## 20   78  80
```