

Final Project EDA

```
library(tidyverse)

## -- Attaching packages ----- tidyverse 1.3.0 --
## v ggplot2 3.3.3      v purrr 0.3.4
## v tibble 3.0.6       v dplyr 1.0.4
## v tidyr 1.1.2        v stringr 1.4.0
## v readr 1.4.0        v forcats 0.5.1

## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()

library(tidyverse)
library(dplyr)
library(ggplot2)
library(mice)

##
## Attaching package: 'mice'

## The following object is masked from 'package:stats':
##
##   filter

## The following objects are masked from 'package:base':
##
##   cbind, rbind

member = read_csv('data/member-data-2020-stat149.csv')

##
## -- Column specification -----
## cols(
##   .default = col_character(),
##   JSMtot = col_double(),
##   Age = col_double(),
##   AgeJoinedASA = col_double()
## )
## i Use `spec()` for the full column specifications.

head(member)

## # A tibble: 6 x 37
##   AnySection JSMtot USA.CAN DontPublish MEMTYPE   Age AgeJoinedASA Gender
##   <chr>      <dbl> <chr>   <chr>      <chr>   <dbl>      <dbl> <chr>
## 1 Yes          0 Yes    No          ILIFF    76         24 M
## 2 No           0 Yes    No          ILIFF    83         53 M
## 3 No           0 No     No          ILIFA    69         24 M
## 4 Yes          0 Yes    No          ISEN     71         24 M
## 5 Yes          5 No     No          ILIFF    74         27 M
```

```
## 6 No          3 No          No          IREG          74          29 M
## # ... with 29 more variables: EmploymentCategory <chr>, InChapter <chr>,
## #   P.SEC.BE <chr>, P.SEC.BIOM <chr>, P.SEC.BIOP <chr>, P.SEC.CNSL <chr>,
## #   P.SEC.COMP <chr>, P.SEC.EDUC <chr>, P.SEC.ENVR <chr>, P.SEC.EPI <chr>,
## #   P.SEC.GOVT <chr>, P.SEC.GRPH <chr>, P.SEC.HPSS <chr>, P.SEC.MDD <chr>,
## #   P.SEC.MHS <chr>, P.SEC.MKTG <chr>, P.SEC.NPAR <chr>, P.SEC.QP <chr>,
## #   P.SEC.SBSS <chr>, P.SEC.SDNS <chr>, P.SEC.SGG <chr>, P.SEC.SI <chr>,
## #   P.SEC.SIS <chr>, P.SEC.SLDM <chr>, P.SEC.SOC <chr>, P.SEC.SPES <chr>,
## #   P.SEC.SRMS <chr>, P.SEC.SSPA <chr>, P.SEC.TSHS <chr>
```

```
dim(member)
```

```
## [1] 17594    37
```

```
member %>% count(MEMTYPE)
```

```
## # A tibble: 14 x 2
```

```
##   MEMTYPE      n
## * <chr>    <int>
## 1 I2YC      154
## 2 ICREP       8
## 3 IDEV     226
## 4 IFAM     111
## 5 IFREP      31
## 6 IK12     318
## 7 ILIFA     373
## 8 ILIFF     306
## 9 ILIFR       2
## 10 IPGRD   1551
## 11 IREG    8255
## 12 ISEN    1518
## 13 ISREP     21
## 14 ISTU   4720
```

```
summary(member)
```

```
##   AnySection      JSMtot      USA.CAN      DontPublish
## Length:17594    Min.   :0.0000    Length:17594    Length:17594
## Class :character 1st Qu.:0.0000    Class :character Class :character
## Mode  :character Median :0.0000    Mode  :character Mode  :character
##                      Mean   :0.9689
##                      3rd Qu.:1.0000
##                      Max.   :5.0000
##
##   MEMTYPE      Age      AgeJoinedASA      Gender
## Length:17594    Min.   : 11.00    Min.   :  6.00    Length:17594
## Class :character 1st Qu.: 34.00    1st Qu.: 26.00    Class :character
## Mode  :character Median : 47.00    Median : 30.00    Mode  :character
##                      Mean   : 48.47    Mean   : 32.67
##                      3rd Qu.: 61.00    3rd Qu.: 37.00
##                      Max.   :105.00    Max.   :115.00
##                      NA's   :3399     NA's   :3400
## EmploymentCategory InChapter      P.SEC.BE      P.SEC.BIOM
## Length:17594      Length:17594    Length:17594    Length:17594
## Class :character  Class :character  Class :character  Class :character
## Mode  :character  Mode  :character  Mode  :character  Mode  :character
```

```

##
##
##
##
##   P.SEC.BIOP           P.SEC.CNSL           P.SEC.COMP           P.SEC.EDUC
## Length:17594          Length:17594          Length:17594          Length:17594
## Class :character      Class :character      Class :character      Class :character
## Mode  :character      Mode  :character      Mode  :character      Mode  :character
##
##
##
##
##   P.SEC.ENVR           P.SEC.EPI           P.SEC.GOVT           P.SEC.GRPH
## Length:17594          Length:17594          Length:17594          Length:17594
## Class :character      Class :character      Class :character      Class :character
## Mode  :character      Mode  :character      Mode  :character      Mode  :character
##
##
##
##
##   P.SEC.HPSS           P.SEC.MDD           P.SEC.MHS           P.SEC.MKTG
## Length:17594          Length:17594          Length:17594          Length:17594
## Class :character      Class :character      Class :character      Class :character
## Mode  :character      Mode  :character      Mode  :character      Mode  :character
##
##
##
##
##   P.SEC.NPAR           P.SEC.QP            P.SEC.SBSS           P.SEC.SDNS
## Length:17594          Length:17594          Length:17594          Length:17594
## Class :character      Class :character      Class :character      Class :character
## Mode  :character      Mode  :character      Mode  :character      Mode  :character
##
##
##
##
##   P.SEC.SGG           P.SEC.SI            P.SEC.SIS            P.SEC.SLDM
## Length:17594          Length:17594          Length:17594          Length:17594
## Class :character      Class :character      Class :character      Class :character
## Mode  :character      Mode  :character      Mode  :character      Mode  :character
##
##
##
##
##   P.SEC.SOC           P.SEC.SPES          P.SEC.SRMS           P.SEC.SSPA
## Length:17594          Length:17594          Length:17594          Length:17594
## Class :character      Class :character      Class :character      Class :character
## Mode  :character      Mode  :character      Mode  :character      Mode  :character
##
##
##
##
##   P.SEC.TSHS
## Length:17594

```

```
## Class :character
## Mode :character
##
##
##
##
```

```
member %>%
  count(AnySection)
```

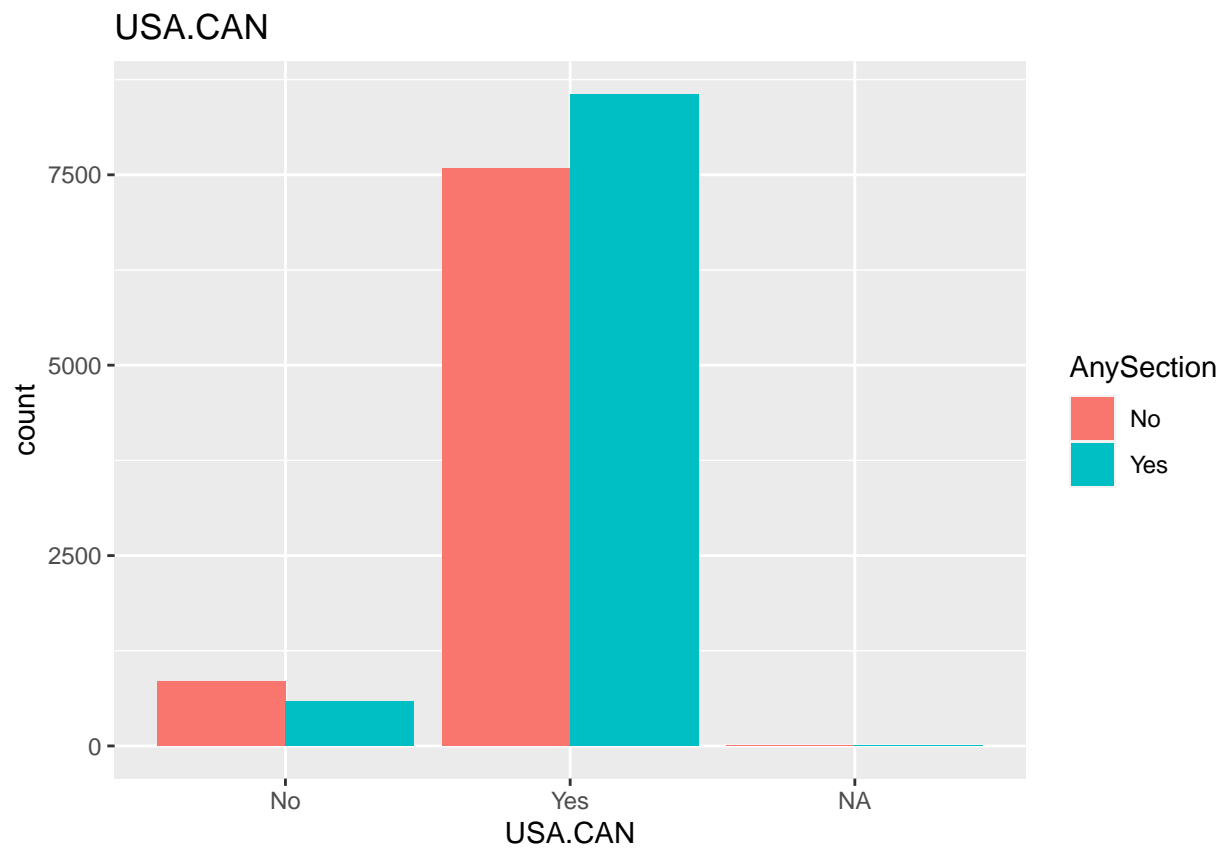
```
## # A tibble: 2 x 2
##   AnySection     n
## * <chr>       <int>
## 1 No         8447
## 2 Yes        9147
```

```
member[duplicated(member[,]),]
```

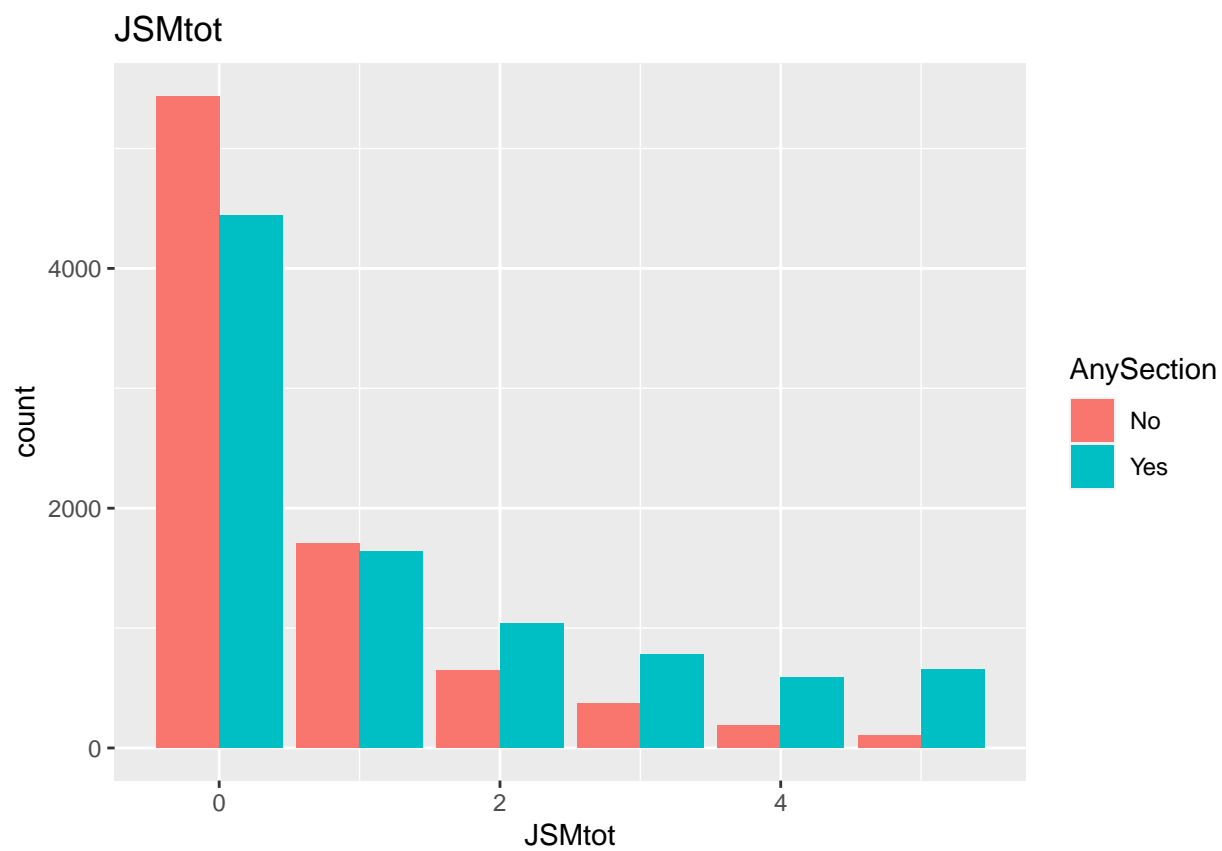
```
## # A tibble: 3,656 x 37
##   AnySection JSMtot USA.CAN DontPublish MEMTYPE Age AgeJoinedASA Gender
##   <chr>      <dbl> <chr>   <chr>      <chr>   <dbl>      <dbl> <chr>
## 1 No              0 Yes    No         ISEN      NA         NA <NA>
## 2 No              0 Yes    No         ISEN      76         29 M
## 3 No              0 Yes    No         ISEN      79         29 M
## 4 No              0 Yes    No         ILIFA     NA         NA <NA>
## 5 Yes             1 Yes    No         ISEN      73         30 M
## 6 No              0 Yes    No         ISEN      71         23 M
## 7 No              0 Yes    No         ILIFA     NA         NA <NA>
## 8 No              0 Yes    No         ISEN      79         29 M
## 9 No              0 Yes    No         ISEN      72         25 M
## 10 No             0 Yes    No         ISEN      78         29 M
## # ... with 3,646 more rows, and 29 more variables: EmploymentCategory <chr>,
## #   InChapter <chr>, P.SEC.BE <chr>, P.SEC.BIOM <chr>, P.SEC.BIOP <chr>,
## #   P.SEC.CNSL <chr>, P.SEC.COMP <chr>, P.SEC.EDUC <chr>, P.SEC.ENVR <chr>,
## #   P.SEC.EPI <chr>, P.SEC.GOVt <chr>, P.SEC.GRPH <chr>, P.SEC.HPSS <chr>,
## #   P.SEC.MDD <chr>, P.SEC.MHS <chr>, P.SEC.MKTG <chr>, P.SEC.NPAR <chr>,
## #   P.SEC.QP <chr>, P.SEC.SBSS <chr>, P.SEC.SDNS <chr>, P.SEC.SGG <chr>,
## #   P.SEC.SI <chr>, P.SEC.SIS <chr>, P.SEC.SLDM <chr>, P.SEC.SOC <chr>,
## #   P.SEC.SPES <chr>, P.SEC.SRMS <chr>, P.SEC.SSPA <chr>, P.SEC.TSHS <chr>
```

Visualization

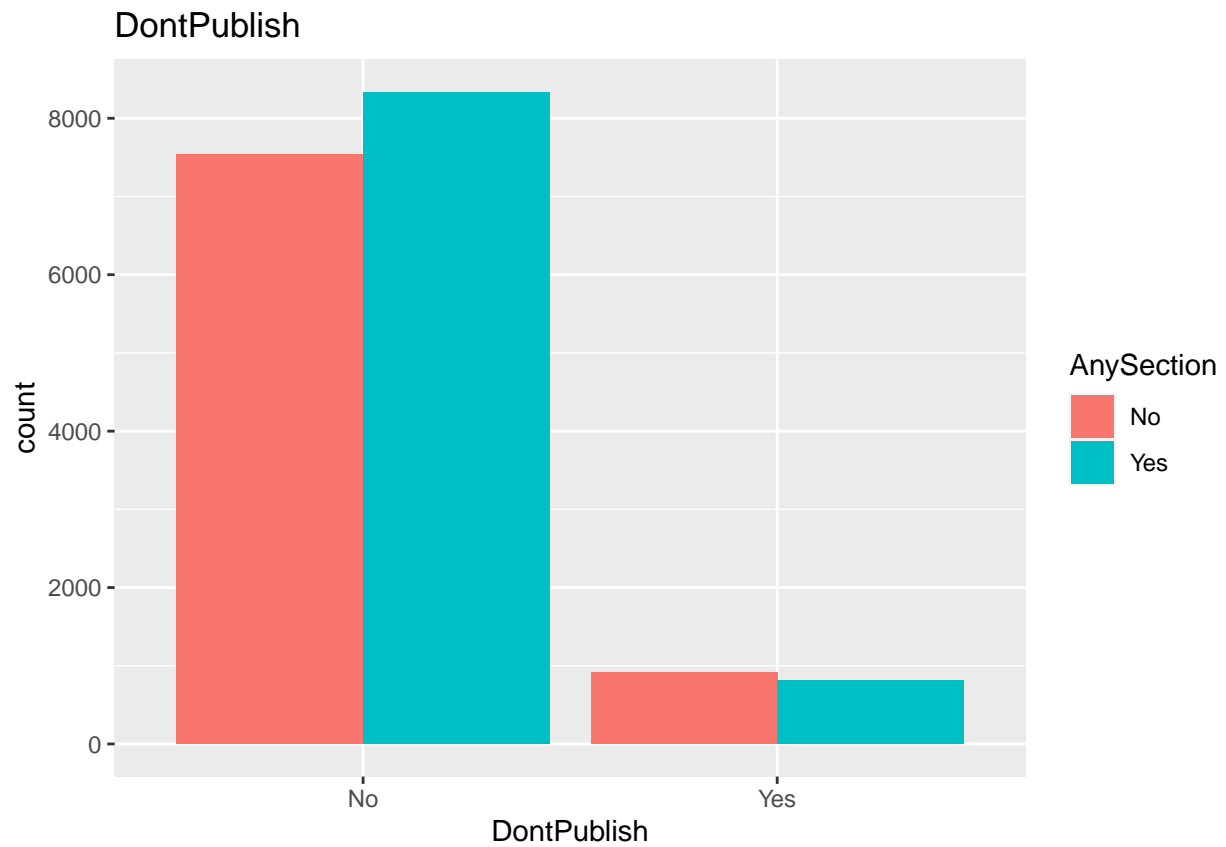
```
ggplot(member, aes(USA.CAN, fill = AnySection)) +
  geom_bar(position = 'dodge')+ggtitle("USA.CAN")
```



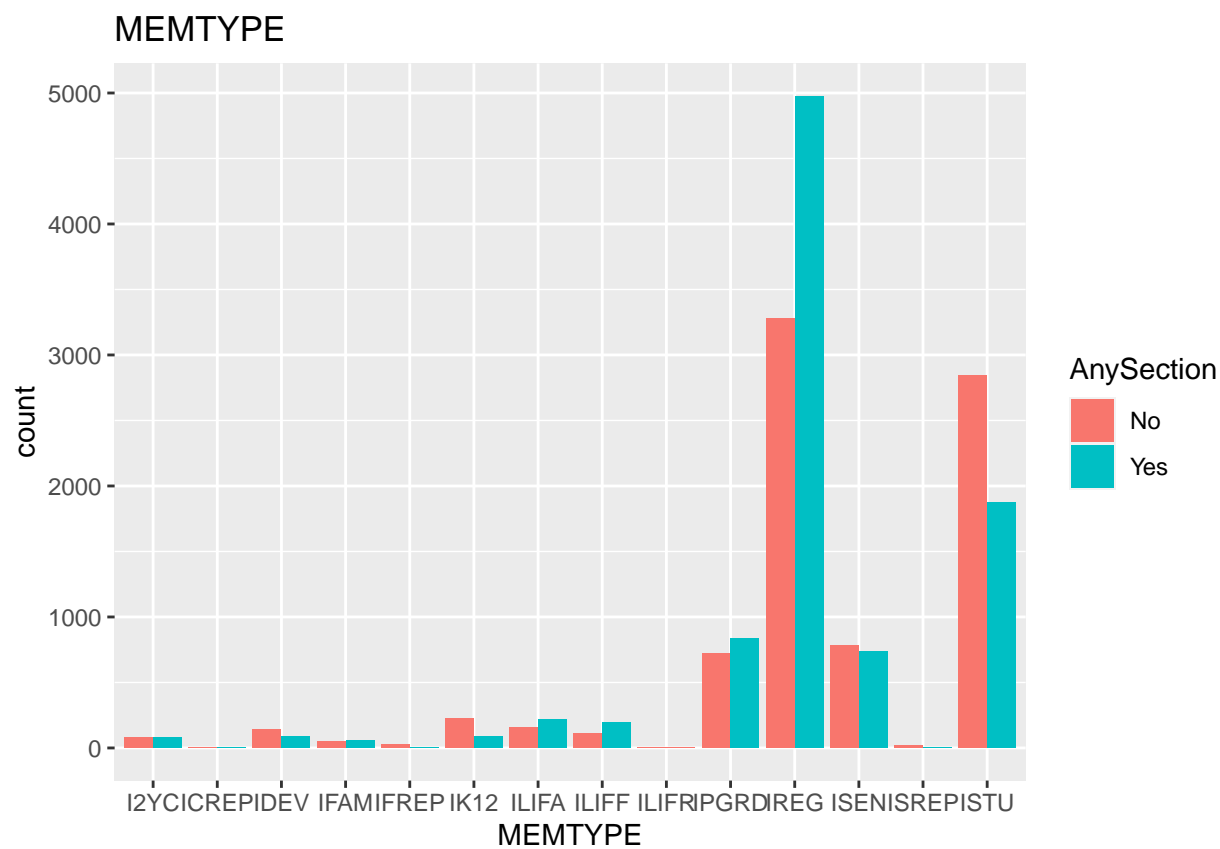
```
ggplot(member, aes(JSMtot, fill = AnySection)) +  
  geom_bar(position = 'dodge')+ggtitle("JSMtot")
```



```
ggplot(member, aes(DontPublish, fill = AnySection)) +  
  geom_bar(position = 'dodge')+ggtitle("DontPublish")
```

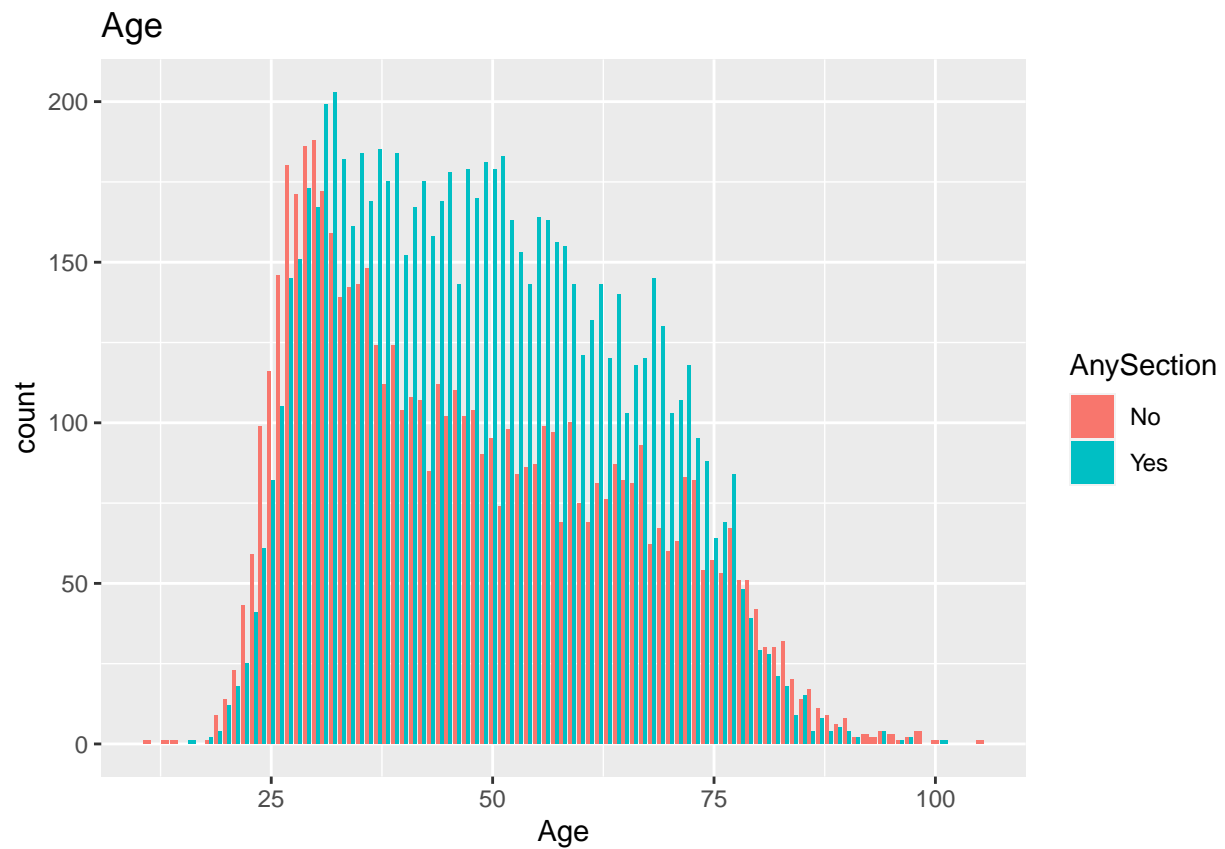


```
ggplot(member, aes(MEMTYPE, fill = AnySection)) +  
  geom_bar(position = 'dodge')+ggtitle("MEMTYPE")
```



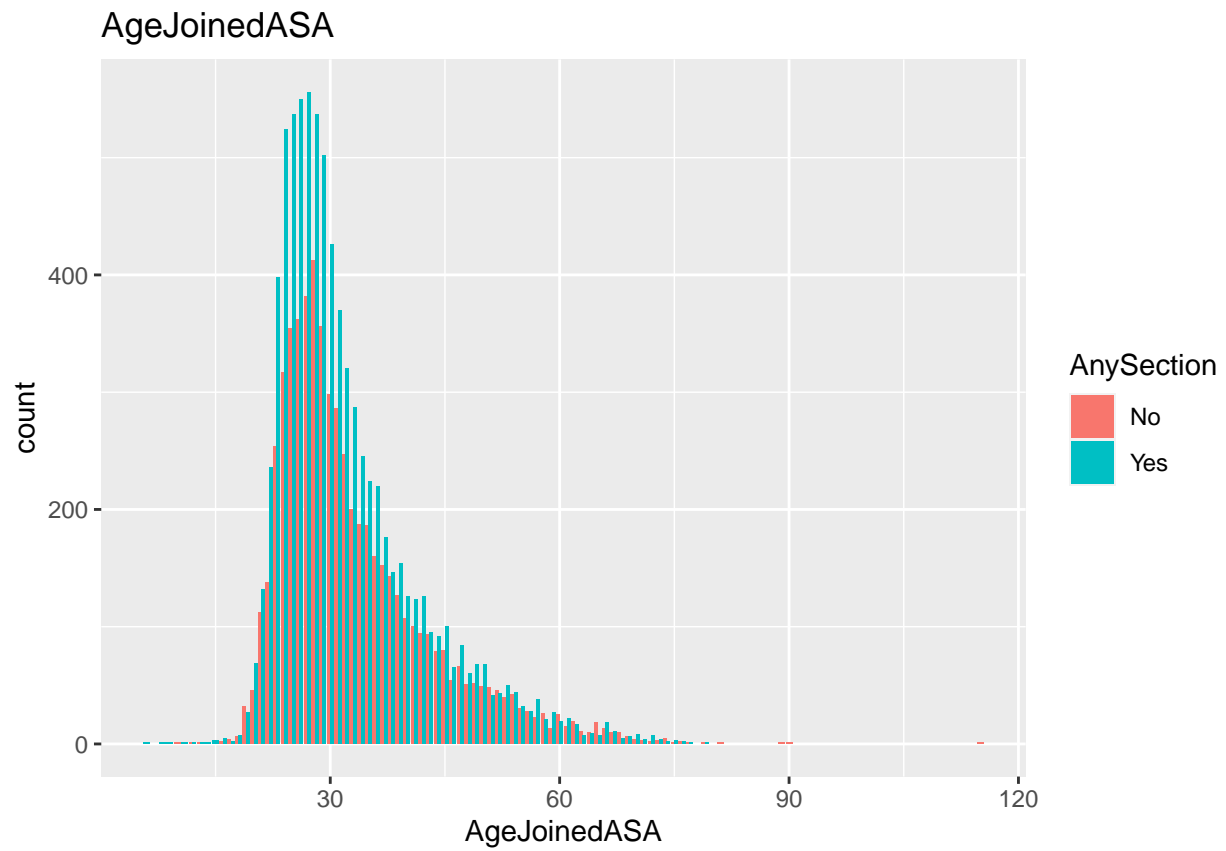
```
ggplot(member, aes(Age, fill = AnySection)) +
  geom_bar(position = 'dodge')+ggtitle("Age")
```

```
## Warning: Removed 3399 rows containing non-finite values (stat_count).
```

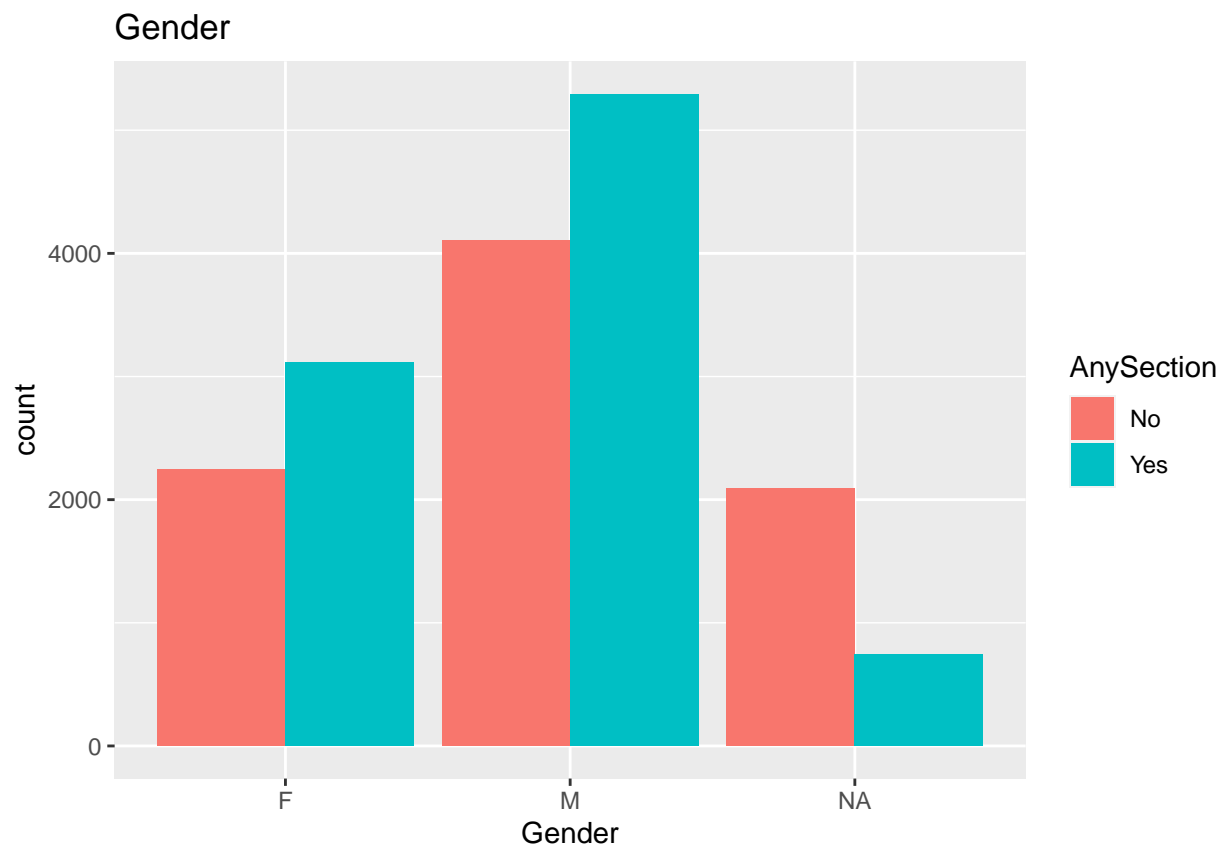



```
ggplot(member, aes(AgeJoinedASA, fill = AnySection)) +  
  geom_bar(position = 'dodge')+ggtitle("AgeJoinedASA")
```

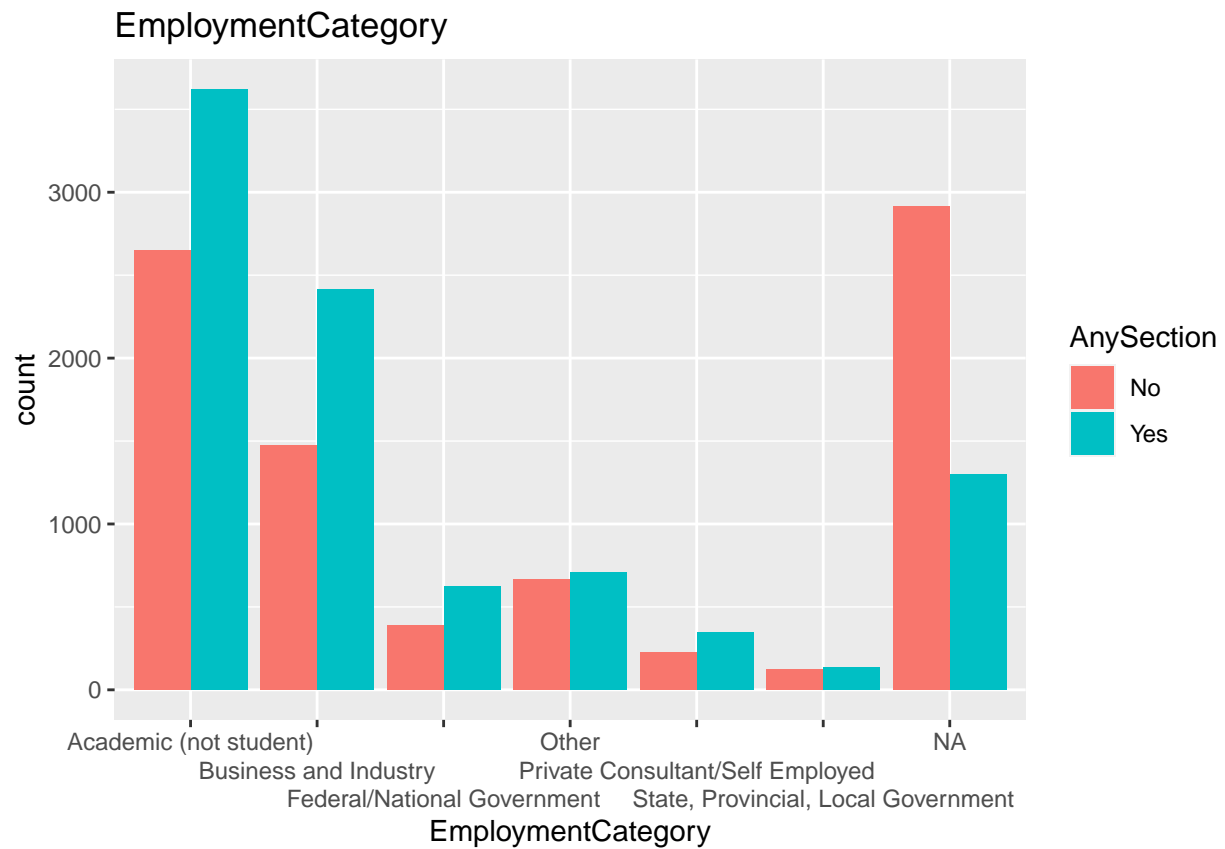
```
## Warning: Removed 3400 rows containing non-finite values (stat_count).
```



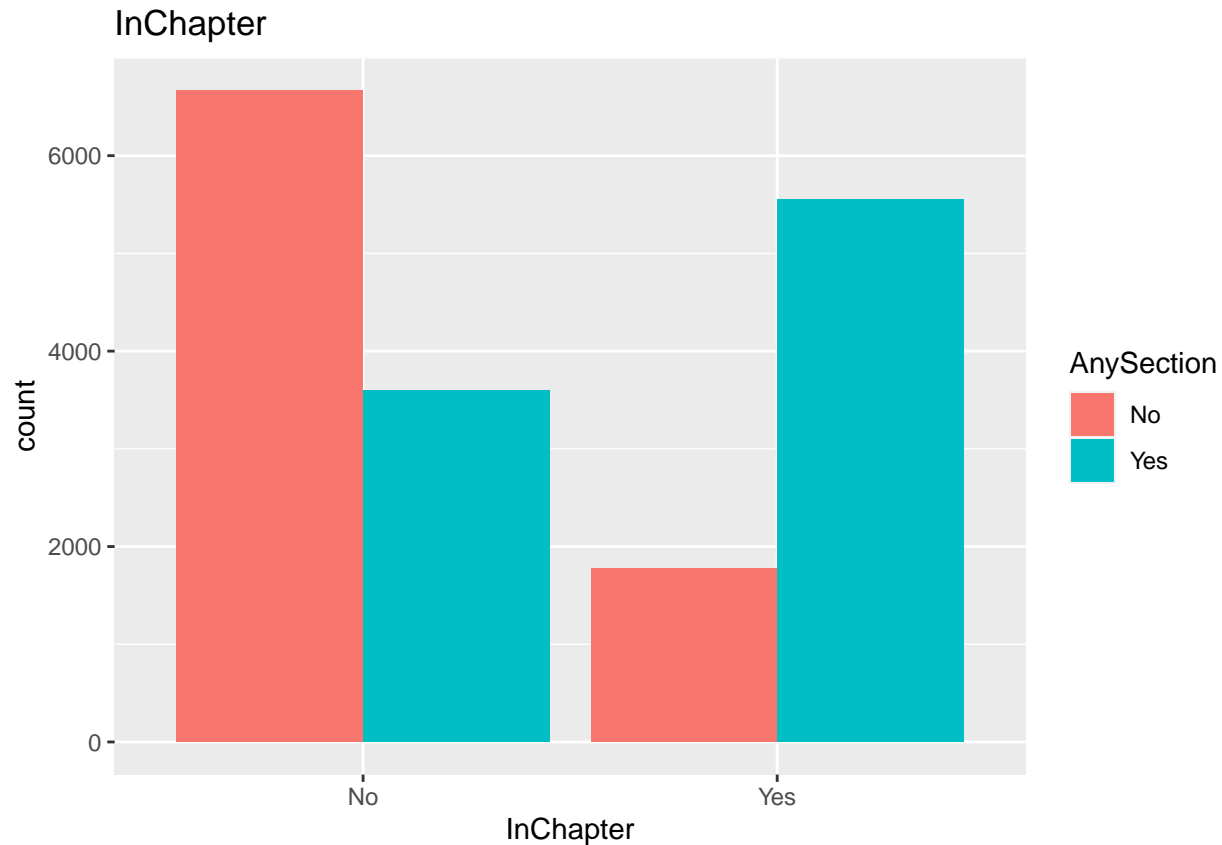
```
ggplot(member, aes(Gender, fill = AnySection)) +  
  geom_bar(position = 'dodge')+ggtitle("Gender")
```



```
ggplot(member, aes(EmploymentCategory, fill = AnySection)) +  
  scale_x_discrete(guide = guide_axis(n.dodge=3))+  
  geom_bar(position = 'dodge')+ggtitle("EmploymentCategory")
```



```
ggplot(member, aes(InChapter, fill = AnySection)) +
  geom_bar(position = 'dodge')+ggtitle("InChapter")
```



Data processing

Turn char columns to numeric factor values

These columns do not have missing value. We turn yes/no to 1/0.

```
member$AnySection = as.numeric(as.factor(member$AnySection))-1
member$DontPublish = as.numeric(as.factor(member$DontPublish))-1
member$MEMTYPE = as.numeric(as.factor(member$MEMTYPE))-1
member$InChapter = as.numeric(as.factor(member$InChapter))-1
member$P.SEC.BE = as.numeric(as.factor(member$P.SEC.BE))-1
member$P.SEC.BIOM = as.numeric(as.factor(member$P.SEC.BIOM))-1
member$P.SEC.BIOP = as.numeric(as.factor(member$P.SEC.BIOP))-1
member$P.SEC.CNSL = as.numeric(as.factor(member$P.SEC.CNSL))-1

member$P.SEC.COMP = as.numeric(as.factor(member$P.SEC.COMP))-1
member$P.SEC.EDUC = as.numeric(as.factor(member$P.SEC.EDUC))-1
member$P.SEC.ENVR = as.numeric(as.factor(member$P.SEC.ENVR))-1
member$P.SEC.EPI = as.numeric(as.factor(member$P.SEC.EPI))-1
member$P.SEC.GOVT = as.numeric(as.factor(member$P.SEC.GOVT))-1
member$P.SEC.GRPH = as.numeric(as.factor(member$P.SEC.GRPH))-1

member$P.SEC.HPSS = as.numeric(as.factor(member$P.SEC.HPSS))-1
member$P.SEC.MDD = as.numeric(as.factor(member$P.SEC.MDD))-1
member$P.SEC.MHS = as.numeric(as.factor(member$P.SEC.MHS))-1
member$P.SEC.MKTG = as.numeric(as.factor(member$P.SEC.MKTG))-1
member$P.SEC.NPAR = as.numeric(as.factor(member$P.SEC.NPAR))-1
member$P.SEC.QP = as.numeric(as.factor(member$P.SEC.QP))-1
```

```

member$P.SEC.SBSS = as.numeric(as.factor(member$P.SEC.SBSS))-1
member$P.SEC.SDNS= as.numeric(as.factor(member$P.SEC.SDNS))-1
member$P.SEC.SGG = as.numeric(as.factor(member$P.SEC.SGG))-1
member$P.SEC.SI = as.numeric(as.factor(member$P.SEC.SI))-1
member$P.SEC.SIS = as.numeric(as.factor(member$P.SEC.SIS))-1
member$P.SEC.SLDM = as.numeric(as.factor(member$P.SEC.SLDM))-1

member$P.SEC.SOC = as.numeric(as.factor(member$P.SEC.SOC))-1
member$P.SEC.SPES= as.numeric(as.factor(member$P.SEC.SPES))-1
member$P.SEC.SRMS = as.numeric(as.factor(member$P.SEC.SRMS))-1
member$P.SEC.SSPA = as.numeric(as.factor(member$P.SEC.SSPA))-1
member$P.SEC.TSHS = as.numeric(as.factor(member$P.SEC.TSHS))-1

```

Missing value

USA.CAN column has 12 missing values, which are less than 1% of the total data. We will impute the missing value with the mean of this column.

```
sum(is.na(member$USA.CAN))
```

```
## [1] 12
```

```

member$USA.CAN[is.na(member$USA.CAN)] = 'Yes'
# any better way to convert yes/no to 1/0 ??
member$USA.CAN = as.numeric(as.factor(member$USA.CAN))-1
member %>%
  count(USA.CAN)

```

```

## # A tibble: 2 x 2
##   USA.CAN      n
## *   <dbl> <int>
## 1     0  1434
## 2     1 16160

```

Gender column has 2834 missing values. EmploymentCategory column has 4216 missing values.

```
sum(is.na(member$Gender))
```

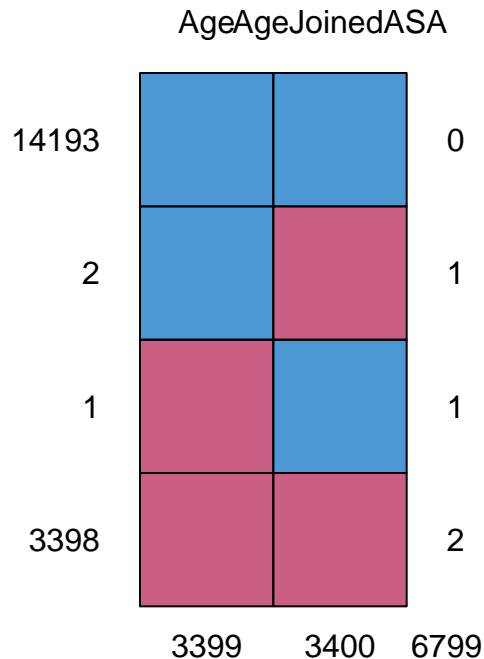
```
## [1] 2834
```

```
sum(is.na(member$EmploymentCategory))
```

```
## [1] 4216
```

Impute the missing value of Age and AgeJoinedASA using MICE method. From the pattern matrix, we could see that the missing values in these two columns are systematic.

```
md.pattern(member[,6:7])
```



```
##      Age AgeJoinedASA
## 14193    1           1    0
##    2     1           0    1
##    1     0           1    1
## 3398     0           0    2
##      3399          3400 6799
```

```
imp <- mice(member, method = "pmm", m = 5, maxit = 50, printFlag = FALSE)
```

```
## Warning: Number of logged events: 2
```

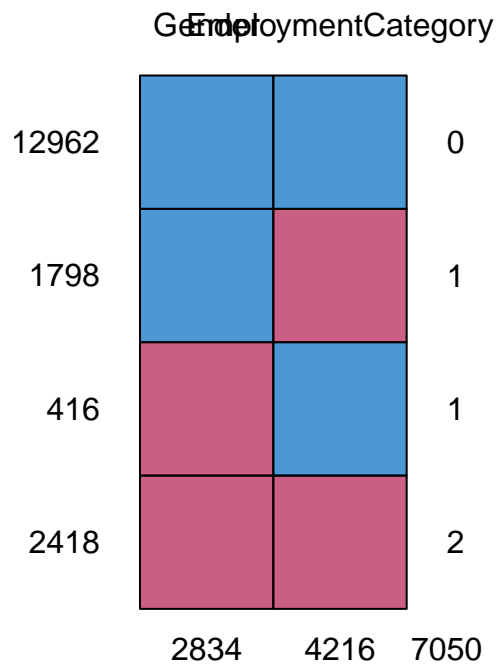
```
member.imp <- complete(imp)
summary(member.imp)
```

```
##      AnySection      JSMtot      USA.CAN      DontPublish
## Min.   :0.0000   Min.   :0.0000   Min.   :0.0000   Min.   :0.00000
## 1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.:1.0000   1st Qu.:0.00000
## Median :1.0000   Median :0.0000   Median :1.0000   Median :0.00000
## Mean   :0.5199   Mean   :0.9689   Mean   :0.9185   Mean   :0.09776
## 3rd Qu.:1.0000   3rd Qu.:1.0000   3rd Qu.:1.0000   3rd Qu.:0.00000
## Max.   :1.0000   Max.   :5.0000   Max.   :1.0000   Max.   :1.00000
##      MEMTYPE      Age      AgeJoinedASA      Gender
## Min.   : 0.00   Min.   : 11.00   Min.   : 6.00   Length:17594
## 1st Qu.:10.00   1st Qu.: 33.00   1st Qu.: 26.00   Class :character
## Median :10.00   Median : 45.00   Median : 30.00   Mode  :character
## Mean   :10.33   Mean   : 47.57   Mean   : 32.59
## 3rd Qu.:13.00   3rd Qu.: 60.00   3rd Qu.: 37.00
## Max.   :13.00   Max.   :105.00   Max.   :115.00
##      EmploymentCategory      InChapter      P.SEC.BE      P.SEC.BIOM
## Length:17594      Min.   :0.0000   Min.   :0.000000   Min.   :0.00
## Class :character   1st Qu.:0.0000   1st Qu.:0.000000   1st Qu.:0.00
## Mode  :character   Median :0.0000   Median :0.000000   Median :0.00
##                      Mean   :0.4164   Mean   :0.005911   Mean   :0.01
##                      3rd Qu.:1.0000   3rd Qu.:0.000000   3rd Qu.:0.00
```

##		Max. :1.0000	Max. :1.000000	Max. :1.00
##	P.SEC.BIOP	P.SEC.CNSL	P.SEC.COMP	P.SEC.EDUC
##	Min. :0.000000	Min. :0.000000	Min. :0.00000	Min. :0.000000
##	1st Qu.:0.000000	1st Qu.:0.000000	1st Qu.:0.00000	1st Qu.:0.000000
##	Median :0.000000	Median :0.000000	Median :0.00000	Median :0.000000
##	Mean :0.007787	Mean :0.009208	Mean :0.01267	Mean :0.006252
##	3rd Qu.:0.000000	3rd Qu.:0.000000	3rd Qu.:0.00000	3rd Qu.:0.000000
##	Max. :1.000000	Max. :1.000000	Max. :1.00000	Max. :1.000000
##	P.SEC.ENVR	P.SEC.EPI	P.SEC.GOVT	P.SEC.GRPH
##	Min. :0.000000	Min. :0.000000	Min. :0.000000	Min. :0.000000
##	1st Qu.:0.000000	1st Qu.:0.000000	1st Qu.:0.000000	1st Qu.:0.000000
##	Median :0.000000	Median :0.000000	Median :0.000000	Median :0.000000
##	Mean :0.004092	Mean :0.009151	Mean :0.005058	Mean :0.01051
##	3rd Qu.:0.000000	3rd Qu.:0.000000	3rd Qu.:0.000000	3rd Qu.:0.000000
##	Max. :1.000000	Max. :1.000000	Max. :1.000000	Max. :1.000000
##	P.SEC.HPSS	P.SEC.MDD	P.SEC.MHS	P.SEC.MKTG
##	Min. :0.000000	Min. :0.000000	Min. :0.000000	Min. :0.000000
##	1st Qu.:0.000000	1st Qu.:0.000000	1st Qu.:0.000000	1st Qu.:0.000000
##	Median :0.000000	Median :0.000000	Median :0.000000	Median :0.000000
##	Mean :0.004149	Mean :0.001592	Mean :0.001989	Mean :0.003751
##	3rd Qu.:0.000000	3rd Qu.:0.000000	3rd Qu.:0.000000	3rd Qu.:0.000000
##	Max. :1.000000	Max. :1.000000	Max. :1.000000	Max. :1.000000
##	P.SEC.NPAR	P.SEC.QP	P.SEC.SBSS	P.SEC.SDNS
##	Min. :0.000000	Min. :0.000000	Min. :0.000000	Min. :0.000000
##	1st Qu.:0.000000	1st Qu.:0.000000	1st Qu.:0.000000	1st Qu.:0.000000
##	Median :0.000000	Median :0.000000	Median :0.000000	Median :0.000000
##	Mean :0.003694	Mean :0.004206	Mean :0.007844	Mean :0.002217
##	3rd Qu.:0.000000	3rd Qu.:0.000000	3rd Qu.:0.000000	3rd Qu.:0.000000
##	Max. :1.000000	Max. :1.000000	Max. :1.000000	Max. :1.000000
##	P.SEC.SGG	P.SEC.SI	P.SEC.SIS	P.SEC.SLDM
##	Min. :0.000000	Min. :0.000000	Min. :0.000000	Min. :0.000000
##	1st Qu.:0.000000	1st Qu.:0.000000	1st Qu.:0.000000	1st Qu.:0.000000
##	Median :0.000000	Median :0.000000	Median :0.000000	Median :0.000000
##	Mean :0.001648	Mean :0.00125	Mean :0.004036	Mean :0.007957
##	3rd Qu.:0.000000	3rd Qu.:0.000000	3rd Qu.:0.000000	3rd Qu.:0.000000
##	Max. :1.000000	Max. :1.000000	Max. :1.000000	Max. :1.000000
##	P.SEC.SOC	P.SEC.SPES	P.SEC.SRMS	P.SEC.SSPA
##	Min. :0.000000	Min. :0.000000	Min. :0.000000	Min. :0.000000
##	1st Qu.:0.000000	1st Qu.:0.000000	1st Qu.:0.000000	1st Qu.:0.000000
##	Median :0.000000	Median :0.000000	Median :0.000000	Median :0.000000
##	Mean :0.004547	Mean :0.004036	Mean :0.007332	Mean :0.004377
##	3rd Qu.:0.000000	3rd Qu.:0.000000	3rd Qu.:0.000000	3rd Qu.:0.000000
##	Max. :1.000000	Max. :1.000000	Max. :1.000000	Max. :1.000000
##	P.SEC.TSHS			
##	Min. :0.000000			
##	1st Qu.:0.000000			
##	Median :0.000000			
##	Mean :0.005172			
##	3rd Qu.:0.000000			
##	Max. :1.000000			

Description of member.imp So far member.imp has JSMtot imputed by mean imputation, Age and AgeJoinedASA imputed by MICE method. Gender and EmploymentCategory still have missing values. From the pattern matrix, we see an large overlap of missing values in the two columns.


```
md.pattern(member[,8:9])
```



```
##      Gender EmploymentCategory
## 12962      1                1    0
## 1798      1                0    1
## 416       0                1    1
## 2418      0                0    2
##      2834                4216 7050
```

Correlation Matrix

```
library("Hmisc")
```

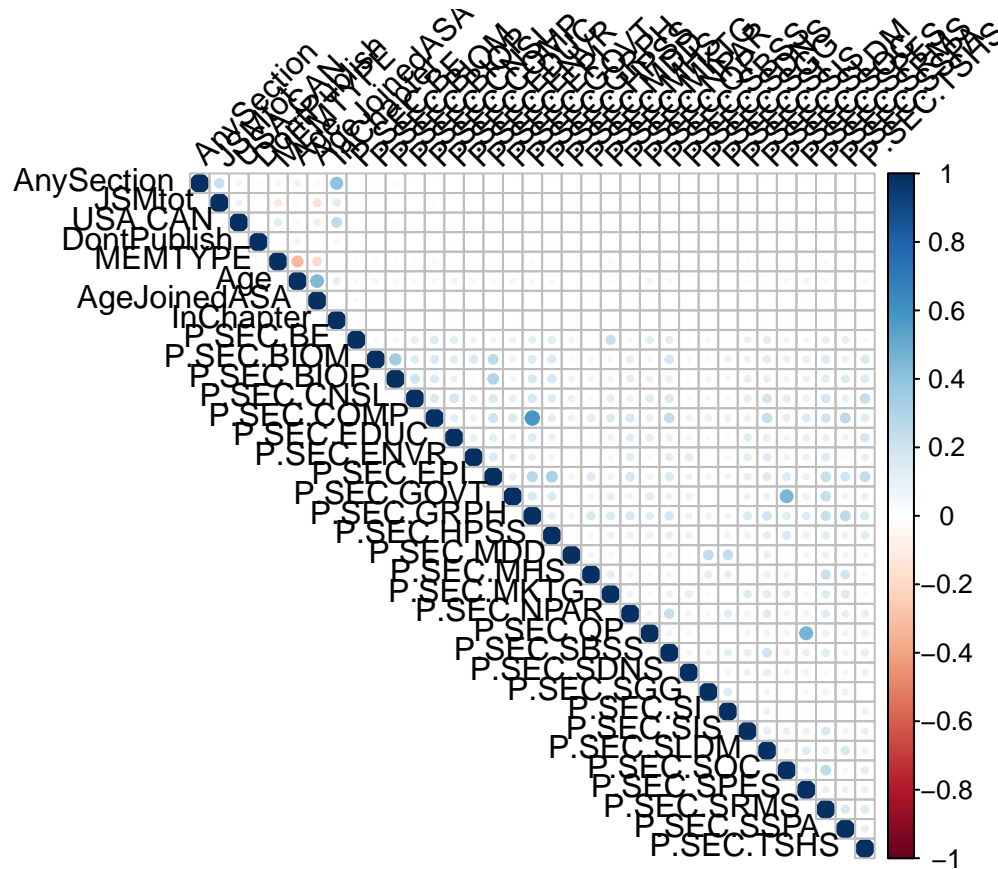
```
## Loading required package: lattice
## Loading required package: survival
## Loading required package: Formula
##
## Attaching package: 'Hmisc'
## The following objects are masked from 'package:dplyr':
##
##      src, summarize
## The following objects are masked from 'package:base':
##
##      format.pval, units
```

```
library(corrplot)
```

```
## corrplot 0.84 loaded
```

```
sub.member.imp = cbind(member.imp[,0:7],member.imp[,10:37])
cor <- cor(as.matrix(sub.member.imp))
```

```
corrplot(cor, type = "upper",
         tl.col = "black", tl.srt = 45)
```



```
# ++++++
# flattenCorrMatrix
# ++++++
# cormat : matrix of the correlation coefficients
# pmat : matrix of the correlation p-values
flattenCorrMatrix <- function(cormat, pmat) {
  ut <- upper.tri(cormat)
  data.frame(
    row = rownames(cormat)[row(cormat)[ut]],
    column = rownames(cormat)[col(cormat)[ut]],
    cor = (cormat)[ut],
    p = pmat[ut]
  )
}
cor2<-rccor(as.matrix(sub.member.imp))
cor_table = flattenCorrMatrix(cor2$r, cor2$p)
cor_table[order(abs(cor_table$cor),decreasing = TRUE),]
```

##	row	column	cor	p
## 149	P.SEC.COMP	P.SEC.GRPH	0.5810733359	0.000000e+00
## 489	P.SEC.QP	P.SEC.SPES	0.4668699250	0.000000e+00
## 452	P.SEC.GOV	P.SEC.SOC	0.4596057657	0.000000e+00
## 21	Age	AgeJoinedASA	0.4433223914	0.000000e+00

## 22	AnySection	InChapter	0.4020788989	0.000000e+00
## 55	P.SEC.BIOM	P.SEC.BIOP	0.3484721177	0.000000e+00
## 15	MEMTYPE	Age	-0.3241382517	0.000000e+00
## 169	P.SEC.EPI	P.SEC.HPSS	0.3188039282	0.000000e+00
## 116	P.SEC.BIOP	P.SEC.EPI	0.2970723004	0.000000e+00
## 152	P.SEC.EPI	P.SEC.GRPH	0.2709819284	0.000000e+00
## 546	P.SEC.GRPH	P.SEC.SSPA	0.2632914870	0.000000e+00
## 541	P.SEC.COMP	P.SEC.SSPA	0.2618848817	0.000000e+00
## 115	P.SEC.BIOM	P.SEC.EPI	0.2602521117	0.000000e+00
## 527	P.SEC.SOC	P.SEC.SRMS	0.2516582461	0.000000e+00
## 24	USA.CAN	InChapter	0.2516195751	0.000000e+00
## 345	P.SEC.MDD	P.SEC.SGG	0.2444281632	0.000000e+00
## 289	P.SEC.COMP	P.SEC.SBSS	0.2433456600	0.000000e+00
## 577	P.SEC.EPI	P.SEC.TSHS	0.2427082102	0.000000e+00
## 371	P.SEC.MDD	P.SEC.SI	0.2406782107	0.000000e+00
## 299	P.SEC.NPAR	P.SEC.SBSS	0.2388416767	0.000000e+00
## 513	P.SEC.GOVT	P.SEC.SRMS	0.2380365336	0.000000e+00
## 512	P.SEC.EPI	P.SEC.SRMS	0.2366214658	0.000000e+00
## 419	P.SEC.COMP	P.SEC.SLDM	0.2357515219	0.000000e+00
## 573	P.SEC.CNSL	P.SEC.TSHS	0.2336262169	0.000000e+00
## 1	AnySection	JSMtot	0.2271985696	0.000000e+00
## 514	P.SEC.GRPH	P.SEC.SRMS	0.2262743474	0.000000e+00
## 219	P.SEC.BE	P.SEC.MKTG	0.2257138105	0.000000e+00
## 517	P.SEC.MHS	P.SEC.SRMS	0.2204441300	0.000000e+00
## 66	P.SEC.BIOP	P.SEC.CNSL	0.2080998275	0.000000e+00
## 118	P.SEC.COMP	P.SEC.EPI	0.2078799337	0.000000e+00
## 431	P.SEC.SBSS	P.SEC.SLDM	0.2023368231	0.000000e+00
## 544	P.SEC.EPI	P.SEC.SSPA	0.2016068709	0.000000e+00
## 509	P.SEC.COMP	P.SEC.SRMS	0.1927505338	0.000000e+00
## 418	P.SEC.CNSL	P.SEC.SLDM	0.1922955085	0.000000e+00
## 424	P.SEC.GRPH	P.SEC.SLDM	0.1914596852	0.000000e+00
## 549	P.SEC.MHS	P.SEC.SSPA	0.1902836924	0.000000e+00
## 20	MEMTYPE	AgeJoinedASA	-0.1901493160	0.000000e+00
## 90	P.SEC.CNSL	P.SEC.EDUC	0.1886398907	0.000000e+00
## 286	P.SEC.BIOM	P.SEC.SBSS	0.1852932884	0.000000e+00
## 575	P.SEC.EDUC	P.SEC.TSHS	0.1852768350	0.000000e+00
## 247	P.SEC.EPI	P.SEC.NPAR	0.1810801133	0.000000e+00
## 294	P.SEC.GRPH	P.SEC.SBSS	0.1803307734	0.000000e+00
## 508	P.SEC.CNSL	P.SEC.SRMS	0.1800443468	0.000000e+00
## 558	P.SEC.SLDM	P.SEC.SSPA	0.1781950389	0.000000e+00
## 249	P.SEC.GRPH	P.SEC.NPAR	0.1774130810	0.000000e+00
## 148	P.SEC.CNSL	P.SEC.GRPH	0.1767479063	0.000000e+00
## 561	P.SEC.SRMS	P.SEC.SSPA	0.1759717430	0.000000e+00
## 164	P.SEC.BIOP	P.SEC.HPSS	0.1753537538	0.000000e+00
## 208	P.SEC.GRPH	P.SEC.MHS	0.1704773704	0.000000e+00
## 396	P.SEC.GRPH	P.SEC.SIS	0.1692258530	0.000000e+00
## 244	P.SEC.COMP	P.SEC.NPAR	0.1689672637	0.000000e+00
## 147	P.SEC.BIOP	P.SEC.GRPH	0.1683704345	0.000000e+00
## 571	P.SEC.BIOM	P.SEC.TSHS	0.1679199736	0.000000e+00
## 292	P.SEC.EPI	P.SEC.SBSS	0.1673801370	0.000000e+00
## 288	P.SEC.CNSL	P.SEC.SBSS	0.1668146081	0.000000e+00
## 454	P.SEC.HPSS	P.SEC.SOC	0.1664931826	0.000000e+00
## 117	P.SEC.CNSL	P.SEC.EPI	0.1657173862	0.000000e+00
## 153	P.SEC.GOVT	P.SEC.GRPH	0.1654474557	0.000000e+00

## 133	P.SEC.COMP	P.SEC.GOVT	0.1638048599	0.000000e+00
## 101	P.SEC.BIOM	P.SEC.ENVR	0.1635390167	0.000000e+00
## 579	P.SEC.GRPH	P.SEC.TSHS	0.1634652363	0.000000e+00
## 525	P.SEC.SIS	P.SEC.SRMS	0.1626697696	0.000000e+00
## 76	P.SEC.BIOM	P.SEC.COMP	0.1622000889	0.000000e+00
## 422	P.SEC.EPI	P.SEC.SLDM	0.1593486121	0.000000e+00
## 78	P.SEC.CNSL	P.SEC.COMP	0.1593005974	0.000000e+00
## 228	P.SEC.GRPH	P.SEC.MKTG	0.1577432182	0.000000e+00
## 146	P.SEC.BIOM	P.SEC.GRPH	0.1576177049	0.000000e+00
## 170	P.SEC.GOVT	P.SEC.HPSS	0.1574258254	0.000000e+00
## 378	P.SEC.SGG	P.SEC.SI	0.1571536508	0.000000e+00
## 206	P.SEC.EPI	P.SEC.MHS	0.1564638880	0.000000e+00
## 572	P.SEC.BIOP	P.SEC.TSHS	0.1558737083	0.000000e+00
## 17	JSMtot	AgeJoinedASA	-0.1541423277	0.000000e+00
## 163	P.SEC.BIOM	P.SEC.HPSS	0.1534455552	0.000000e+00
## 478	P.SEC.COMP	P.SEC.SPES	0.1530741217	0.000000e+00
## 120	P.SEC.ENVR	P.SEC.EPI	0.1527882030	0.000000e+00
## 506	P.SEC.BIOM	P.SEC.SRMS	0.1520332858	0.000000e+00
## 77	P.SEC.BIOP	P.SEC.COMP	0.1518127265	0.000000e+00
## 594	P.SEC.SRMS	P.SEC.TSHS	0.1516941075	0.000000e+00
## 223	P.SEC.COMP	P.SEC.MKTG	0.1509594459	0.000000e+00
## 550	P.SEC.MKTG	P.SEC.SSPA	0.1508646096	0.000000e+00
## 539	P.SEC.BIOP	P.SEC.SSPA	0.1508609549	0.000000e+00
## 519	P.SEC.NPAR	P.SEC.SRMS	0.1485034800	0.000000e+00
## 150	P.SEC.EDUC	P.SEC.GRPH	0.1473474788	0.000000e+00
## 518	P.SEC.MKTG	P.SEC.SRMS	0.1472984588	0.000000e+00
## 65	P.SEC.BIOM	P.SEC.CNSL	0.1457813120	0.000000e+00
## 495	P.SEC.SLDM	P.SEC.SPES	0.1456590625	0.000000e+00
## 421	P.SEC.ENVR	P.SEC.SLDM	0.1445683951	0.000000e+00
## 451	P.SEC.EPI	P.SEC.SOC	0.1443312169	0.000000e+00
## 75	P.SEC.BE	P.SEC.COMP	0.1437090020	0.000000e+00
## 483	P.SEC.GRPH	P.SEC.SPES	0.1428577030	0.000000e+00
## 400	P.SEC.MKTG	P.SEC.SIS	0.1427477164	0.000000e+00
## 429	P.SEC.NPAR	P.SEC.SLDM	0.1421664850	0.000000e+00
## 165	P.SEC.CNSL	P.SEC.HPSS	0.1418971027	0.000000e+00
## 265	P.SEC.CNSL	P.SEC.QP	0.1408544350	0.000000e+00
## 511	P.SEC.ENVR	P.SEC.SRMS	0.1405925849	0.000000e+00
## 574	P.SEC.COMP	P.SEC.TSHS	0.1405752356	0.000000e+00
## 271	P.SEC.GRPH	P.SEC.QP	0.1396723546	0.000000e+00
## 9	USA.CAN	MEMTYPE	0.1395511927	0.000000e+00
## 245	P.SEC.EDUC	P.SEC.NPAR	0.1377943273	0.000000e+00
## 88	P.SEC.BIOM	P.SEC.EDUC	0.1369448023	0.000000e+00
## 521	P.SEC.SBSS	P.SEC.SRMS	0.1358503304	0.000000e+00
## 447	P.SEC.CNSL	P.SEC.SOC	0.1350040109	0.000000e+00
## 415	P.SEC.BE	P.SEC.SLDM	0.1349637686	0.000000e+00
## 453	P.SEC.GRPH	P.SEC.SOC	0.1338330457	0.000000e+00
## 162	P.SEC.BE	P.SEC.HPSS	0.1334408458	0.000000e+00
## 23	JSMtot	InChapter	0.1326333790	0.000000e+00
## 262	P.SEC.BE	P.SEC.QP	0.1324722106	0.000000e+00
## 416	P.SEC.BIOM	P.SEC.SLDM	0.1324203593	0.000000e+00
## 203	P.SEC.COMP	P.SEC.MHS	0.1317764355	0.000000e+00
## 270	P.SEC.GOVT	P.SEC.QP	0.1315412158	0.000000e+00
## 392	P.SEC.EDUC	P.SEC.SIS	0.1314394347	0.000000e+00
## 580	P.SEC.HPSS	P.SEC.TSHS	0.1309394675	0.000000e+00

## 428	P.SEC.MKTG	P.SEC.SLDM	0.1305416974	0.000000e+00
## 374	P.SEC.NPAR	P.SEC.SI	0.1303946294	0.000000e+00
## 315	P.SEC.ENVR	P.SEC.SDNS	0.1294956822	0.000000e+00
## 515	P.SEC.HPSS	P.SEC.SRMS	0.1291898840	0.000000e+00
## 507	P.SEC.BIOP	P.SEC.SRMS	0.1288174047	0.000000e+00
## 448	P.SEC.COMP	P.SEC.SOC	0.1282784367	0.000000e+00
## 246	P.SEC.ENVR	P.SEC.NPAR	0.1281694296	0.000000e+00
## 285	P.SEC.BE	P.SEC.SBSS	0.1276247621	0.000000e+00
## 166	P.SEC.COMP	P.SEC.HPSS	0.1270582489	0.000000e+00
## 91	P.SEC.COMP	P.SEC.EDUC	0.1263767004	0.000000e+00
## 87	P.SEC.BE	P.SEC.EDUC	0.1255770644	0.000000e+00
## 291	P.SEC.ENVR	P.SEC.SBSS	0.1255016779	0.000000e+00
## 592	P.SEC.SOC	P.SEC.TSHS	0.1246783367	0.000000e+00
## 376	P.SEC.SBSS	P.SEC.SI	0.1244768836	0.000000e+00
## 346	P.SEC.MHS	P.SEC.SGG	0.1239676471	0.000000e+00
## 425	P.SEC.HPSS	P.SEC.SLDM	0.1235956079	0.000000e+00
## 145	P.SEC.BE	P.SEC.GRPH	0.1228945269	0.000000e+00
## 242	P.SEC.BIOP	P.SEC.NPAR	0.1225039834	0.000000e+00
## 231	P.SEC.MHS	P.SEC.MKTG	0.1224573405	0.000000e+00
## 393	P.SEC.ENVR	P.SEC.SIS	0.1223104735	0.000000e+00
## 119	P.SEC.EDUC	P.SEC.EPI	0.1211127396	0.000000e+00
## 222	P.SEC.CNSL	P.SEC.MKTG	0.1206276838	0.000000e+00
## 457	P.SEC.MKTG	P.SEC.SOC	0.1202272510	0.000000e+00
## 8	JSMtot	MEMTYPE	-0.1200742515	0.000000e+00
## 136	P.SEC.EPI	P.SEC.GOVt	0.1193538566	0.000000e+00
## 586	P.SEC.SBSS	P.SEC.TSHS	0.1193376909	0.000000e+00
## 132	P.SEC.CNSL	P.SEC.GOVt	0.1189458920	0.000000e+00
## 537	P.SEC.BE	P.SEC.SSPA	0.1184453401	0.000000e+00
## 432	P.SEC.SDNS	P.SEC.SLDM	0.1182016378	0.000000e+00
## 27	Age	InChapter	0.1181015129	0.000000e+00
## 267	P.SEC.EDUC	P.SEC.QP	0.1174075492	0.000000e+00
## 64	P.SEC.BE	P.SEC.CNSL	0.1167720902	0.000000e+00
## 389	P.SEC.BIOP	P.SEC.SIS	0.1167570540	0.000000e+00
## 403	P.SEC.SBSS	P.SEC.SIS	0.1162955719	0.000000e+00
## 394	P.SEC.EPI	P.SEC.SIS	0.1162811533	0.000000e+00
## 241	P.SEC.BIOM	P.SEC.NPAR	0.1162607243	0.000000e+00
## 390	P.SEC.CNSL	P.SEC.SIS	0.1158871517	0.000000e+00
## 322	P.SEC.MKTG	P.SEC.SDNS	0.1157242001	0.000000e+00
## 435	P.SEC.SIS	P.SEC.SLDM	0.1153870751	0.000000e+00
## 595	P.SEC.SSPA	P.SEC.TSHS	0.1152556766	0.000000e+00
## 505	P.SEC.BE	P.SEC.SRMS	0.1150479181	0.000000e+00
## 171	P.SEC.GRPH	P.SEC.HPSS	0.1147069797	0.000000e+00
## 420	P.SEC.EDUC	P.SEC.SLDM	0.1146345747	0.000000e+00
## 295	P.SEC.HPSS	P.SEC.SBSS	0.1145407264	0.000000e+00
## 227	P.SEC.GOVt	P.SEC.MKTG	0.1135732062	0.000000e+00
## 584	P.SEC.NPAR	P.SEC.TSHS	0.1131517063	0.000000e+00
## 475	P.SEC.BIOM	P.SEC.SPES	0.1107182040	0.000000e+00
## 266	P.SEC.COMP	P.SEC.QP	0.1103992152	0.000000e+00
## 551	P.SEC.NPAR	P.SEC.SSPA	0.1095014233	0.000000e+00
## 287	P.SEC.BIOP	P.SEC.SBSS	0.1094043058	0.000000e+00
## 426	P.SEC.MDD	P.SEC.SLDM	0.1087646394	0.000000e+00
## 417	P.SEC.BIOP	P.SEC.SLDM	0.1085129157	0.000000e+00
## 135	P.SEC.ENVR	P.SEC.GOVt	0.1083757855	0.000000e+00
## 590	P.SEC.SIS	P.SEC.TSHS	0.1078957997	0.000000e+00

## 105	P.SEC.EDUC	P.SEC.ENVR	0.1078663921	0.000000e+00
## 576	P.SEC.ENVR	P.SEC.TSHS	0.1070827650	0.000000e+00
## 167	P.SEC.EDUC	P.SEC.HPSS	0.1070579555	0.000000e+00
## 151	P.SEC.ENVR	P.SEC.GRPH	0.1068609100	0.000000e+00
## 372	P.SEC.MHS	P.SEC.SI	0.1067081780	0.000000e+00
## 578	P.SEC.GOVT	P.SEC.TSHS	0.1065479394	0.000000e+00
## 490	P.SEC.SBSS	P.SEC.SPES	0.1061326340	0.000000e+00
## 103	P.SEC.CNSL	P.SEC.ENVR	0.1056757459	0.000000e+00
## 445	P.SEC.BIOM	P.SEC.SOC	0.1035670398	0.000000e+00
## 464	P.SEC.SIS	P.SEC.SOC	0.1023043875	0.000000e+00
## 540	P.SEC.CNSL	P.SEC.SSPA	0.1017866851	0.000000e+00
## 18	USA.CAN	AgeJoinedASA	-0.1014472001	0.000000e+00
## 183	P.SEC.CNSL	P.SEC.MDD	0.1006511338	0.000000e+00
## 387	P.SEC.BE	P.SEC.SIS	0.1003512211	0.000000e+00
## 298	P.SEC.MKTG	P.SEC.SBSS	0.0999376876	0.000000e+00
## 528	P.SEC.SPES	P.SEC.SRMS	0.0996171284	0.000000e+00
## 460	P.SEC.SBSS	P.SEC.SOC	0.0993342494	0.000000e+00
## 290	P.SEC.EDUC	P.SEC.SBSS	0.0992098184	0.000000e+00
## 250	P.SEC.HPSS	P.SEC.NPAR	0.0980896671	0.000000e+00
## 587	P.SEC.SDNS	P.SEC.TSHS	0.0976909585	0.000000e+00
## 481	P.SEC.EPI	P.SEC.SPES	0.0974506393	0.000000e+00
## 520	P.SEC.QP	P.SEC.SRMS	0.0973588872	0.000000e+00
## 479	P.SEC.EDUC	P.SEC.SPES	0.0973173391	0.000000e+00
## 229	P.SEC.HPSS	P.SEC.MKTG	0.0972864912	0.000000e+00
## 526	P.SEC.SLDM	P.SEC.SRMS	0.0972817890	0.000000e+00
## 538	P.SEC.BIOM	P.SEC.SSPA	0.0971635747	0.000000e+00
## 516	P.SEC.MDD	P.SEC.SRMS	0.0968503389	0.000000e+00
## 364	P.SEC.COMP	P.SEC.SI	0.0966321662	0.000000e+00
## 482	P.SEC.GOVT	P.SEC.SPES	0.0965598149	0.000000e+00
## 427	P.SEC.MHS	P.SEC.SLDM	0.0965017335	0.000000e+00
## 476	P.SEC.BIOP	P.SEC.SPES	0.0963577152	0.000000e+00
## 134	P.SEC.EDUC	P.SEC.GOVT	0.0959859225	0.000000e+00
## 338	P.SEC.COMP	P.SEC.SGG	0.0955959703	0.000000e+00
## 593	P.SEC.SPES	P.SEC.TSHS	0.0953974048	0.000000e+00
## 494	P.SEC.SIS	P.SEC.SPES	0.0949392067	0.000000e+00
## 510	P.SEC.EDUC	P.SEC.SRMS	0.0946092569	0.000000e+00
## 264	P.SEC.BIOP	P.SEC.QP	0.0941589842	0.000000e+00
## 182	P.SEC.BIOP	P.SEC.MDD	0.0937950592	0.000000e+00
## 293	P.SEC.GOVT	P.SEC.SBSS	0.0935609961	0.000000e+00
## 484	P.SEC.HPSS	P.SEC.SPES	0.0935224136	0.000000e+00
## 361	P.SEC.BIOM	P.SEC.SI	0.0934134418	0.000000e+00
## 585	P.SEC.QP	P.SEC.TSHS	0.0932616896	0.000000e+00
## 3	JSMtot	USA.CAN	0.0930103482	0.000000e+00
## 423	P.SEC.GOVT	P.SEC.SLDM	0.0928043922	0.000000e+00
## 404	P.SEC.SDNS	P.SEC.SIS	0.0923163376	0.000000e+00
## 272	P.SEC.HPSS	P.SEC.QP	0.0914448516	0.000000e+00
## 89	P.SEC.BIOP	P.SEC.EDUC	0.0914161100	0.000000e+00
## 319	P.SEC.HPSS	P.SEC.SDNS	0.0909647910	0.000000e+00
## 560	P.SEC.SPES	P.SEC.SSPA	0.0908520268	0.000000e+00
## 318	P.SEC.GRPH	P.SEC.SDNS	0.0899282450	0.000000e+00
## 224	P.SEC.EDUC	P.SEC.MKTG	0.0894953247	0.000000e+00
## 547	P.SEC.HPSS	P.SEC.SSPA	0.0894867013	0.000000e+00
## 391	P.SEC.COMP	P.SEC.SIS	0.0889596116	0.000000e+00
## 129	P.SEC.BE	P.SEC.GOVT	0.0885647456	0.000000e+00

## 477	P.SEC.CNSL	P.SEC.SPES	0.0877278862	0.000000e+00
## 434	P.SEC.SI	P.SEC.SLDM	0.0873419919	0.000000e+00
## 589	P.SEC.SI	P.SEC.TSHS	0.0871348940	0.000000e+00
## 11	AnySection	Age	0.0849088275	0.000000e+00
## 184	P.SEC.COMP	P.SEC.MDD	0.0847005485	0.000000e+00
## 316	P.SEC.EPI	P.SEC.SDNS	0.0843149843	0.000000e+00
## 395	P.SEC.GOV	P.SEC.SIS	0.0839224909	0.000000e+00
## 388	P.SEC.BIOM	P.SEC.SIS	0.0836912589	0.000000e+00
## 591	P.SEC.SLDM	P.SEC.TSHS	0.0827240347	0.000000e+00
## 243	P.SEC.CNSL	P.SEC.NPAR	0.0824052879	0.000000e+00
## 555	P.SEC.SGG	P.SEC.SSPA	0.0822096778	0.000000e+00
## 542	P.SEC.EDUC	P.SEC.SSPA	0.0821313163	0.000000e+00
## 226	P.SEC.EPI	P.SEC.MKTG	0.0819789112	0.000000e+00
## 317	P.SEC.GOV	P.SEC.SDNS	0.0818168563	0.000000e+00
## 130	P.SEC.BIOM	P.SEC.GOV	0.0813900222	0.000000e+00
## 313	P.SEC.COMP	P.SEC.SDNS	0.0810881304	0.000000e+00
## 545	P.SEC.GOV	P.SEC.SSPA	0.0802319037	0.000000e+00
## 480	P.SEC.ENVR	P.SEC.SPES	0.0801801929	0.000000e+00
## 397	P.SEC.HPSS	P.SEC.SIS	0.0795751083	0.000000e+00
## 221	P.SEC.BIOP	P.SEC.MKTG	0.0791836488	0.000000e+00
## 523	P.SEC.SGG	P.SEC.SRMS	0.0786247755	0.000000e+00
## 343	P.SEC.GRPH	P.SEC.SGG	0.0782289560	0.000000e+00
## 557	P.SEC.SIS	P.SEC.SSPA	0.0772702699	0.000000e+00
## 296	P.SEC.MDD	P.SEC.SBSS	0.0772679899	0.000000e+00
## 323	P.SEC.NPAR	P.SEC.SDNS	0.0768111508	0.000000e+00
## 269	P.SEC.EPI	P.SEC.QP	0.0767633784	0.000000e+00
## 100	P.SEC.BE	P.SEC.ENVR	0.0763573900	0.000000e+00
## 350	P.SEC.SBSS	P.SEC.SGG	0.0758016786	0.000000e+00
## 496	P.SEC.SOC	P.SEC.SPES	0.0756527736	0.000000e+00
## 552	P.SEC.QP	P.SEC.SSPA	0.0755195714	0.000000e+00
## 433	P.SEC.SGG	P.SEC.SLDM	0.0752106153	0.000000e+00
## 369	P.SEC.GRPH	P.SEC.SI	0.0751912399	0.000000e+00
## 450	P.SEC.ENVR	P.SEC.SOC	0.0750675419	0.000000e+00
## 248	P.SEC.GOV	P.SEC.NPAR	0.0748906909	0.000000e+00
## 14	DontPublish	Age	-0.0739608806	0.000000e+00
## 300	P.SEC.QP	P.SEC.SBSS	0.0738667154	0.000000e+00
## 430	P.SEC.QP	P.SEC.SLDM	0.0732582487	0.000000e+00
## 491	P.SEC.SDNS	P.SEC.SPES	0.0732530210	0.000000e+00
## 253	P.SEC.MKTG	P.SEC.NPAR	0.0728866975	0.000000e+00
## 456	P.SEC.MHS	P.SEC.SOC	0.0728233919	0.000000e+00
## 370	P.SEC.HPSS	P.SEC.SI	0.0727785712	0.000000e+00
## 104	P.SEC.COMP	P.SEC.ENVR	0.0723239400	0.000000e+00
## 553	P.SEC.SBSS	P.SEC.SSPA	0.0721899835	0.000000e+00
## 180	P.SEC.BE	P.SEC.MDD	0.0713255383	0.000000e+00
## 187	P.SEC.EPI	P.SEC.MDD	0.0710353181	0.000000e+00
## 114	P.SEC.BE	P.SEC.EPI	0.0704565825	0.000000e+00
## 465	P.SEC.SLDM	P.SEC.SOC	0.0700156221	0.000000e+00
## 401	P.SEC.NPAR	P.SEC.SIS	0.0700104714	0.000000e+00
## 488	P.SEC.NPAR	P.SEC.SPES	0.0700104714	0.000000e+00
## 341	P.SEC.EPI	P.SEC.SGG	0.0696671647	0.000000e+00
## 449	P.SEC.EDUC	P.SEC.SOC	0.0696645993	0.000000e+00
## 207	P.SEC.GOV	P.SEC.MHS	0.0687390218	0.000000e+00
## 471	Age	P.SEC.SPES	0.0687208735	0.000000e+00
## 461	P.SEC.SDNS	P.SEC.SOC	0.0686689881	0.000000e+00

## 201	P.SEC.BIOP	P.SEC.MHS	0.0686062700	0.000000e+00
## 276	P.SEC.NPAR	P.SEC.QP	0.0684220877	0.000000e+00
## 297	P.SEC.MHS	P.SEC.SBSS	0.0683304371	0.000000e+00
## 2	AnySection	USA.CAN	0.0671619438	0.000000e+00
## 84	Age	P.SEC.EDUC	0.0670094549	0.000000e+00
## 377	P.SEC.SDNS	P.SEC.SI	0.0667296958	0.000000e+00
## 189	P.SEC.GRPH	P.SEC.MDD	0.0657793611	0.000000e+00
## 458	P.SEC.NPAR	P.SEC.SOC	0.0655088598	0.000000e+00
## 474	P.SEC.BE	P.SEC.SPES	0.0652646553	0.000000e+00
## 402	P.SEC.QP	P.SEC.SIS	0.0651288199	0.000000e+00
## 168	P.SEC.ENVR	P.SEC.HPSS	0.0651148527	0.000000e+00
## 485	P.SEC.MDD	P.SEC.SPES	0.0649327139	0.000000e+00
## 367	P.SEC.EPI	P.SEC.SI	0.0641617962	0.000000e+00
## 210	P.SEC.MDD	P.SEC.MHS	0.0622197579	0.000000e+00
## 548	P.SEC.MDD	P.SEC.SSPA	0.0621559820	0.000000e+00
## 7	AnySection	MEMTYPE	-0.0616726395	2.220446e-16
## 259	Age	P.SEC.QP	0.0614295580	4.440892e-16
## 446	P.SEC.BIOP	P.SEC.SOC	0.0612917977	4.440892e-16
## 444	P.SEC.BE	P.SEC.SOC	0.0609135028	6.661338e-16
## 459	P.SEC.QP	P.SEC.SOC	0.0608776681	6.661338e-16
## 252	P.SEC.MHS	P.SEC.NPAR	0.0603576626	1.110223e-15
## 336	P.SEC.BIOP	P.SEC.SGG	0.0601616218	1.332268e-15
## 200	P.SEC.BIOM	P.SEC.MHS	0.0596028469	2.664535e-15
## 42	Age	P.SEC.BIOM	0.0592446534	3.552714e-15
## 220	P.SEC.BIOM	P.SEC.MKTG	0.0592304184	3.774758e-15
## 314	P.SEC.EDUC	P.SEC.SDNS	0.0575917140	2.087219e-14
## 131	P.SEC.BIOP	P.SEC.GOVt	0.0574863675	2.331468e-14
## 581	P.SEC.MDD	P.SEC.TSHS	0.0567551615	4.929390e-14
## 209	P.SEC.HPSS	P.SEC.MHS	0.0566516355	5.484502e-14
## 263	P.SEC.BIOM	P.SEC.QP	0.0552437339	2.255973e-13
## 337	P.SEC.CNSL	P.SEC.SGG	0.0547602885	3.637091e-13
## 487	P.SEC.MKTG	P.SEC.SPES	0.0547554947	3.652634e-13
## 225	P.SEC.ENVR	P.SEC.MKTG	0.0543208381	5.593304e-13
## 126	Age	P.SEC.GOVt	0.0538269616	9.037215e-13
## 324	P.SEC.QP	P.SEC.SDNS	0.0529602589	2.077005e-12
## 554	P.SEC.SDNS	P.SEC.SSPA	0.0518010091	6.193046e-12
## 362	P.SEC.BIOP	P.SEC.SI	0.0517586763	6.442402e-12
## 334	P.SEC.BE	P.SEC.SGG	0.0517008978	6.798340e-12
## 325	P.SEC.SBSS	P.SEC.SDNS	0.0506091025	1.858380e-11
## 582	P.SEC.MHS	P.SEC.TSHS	0.0501296363	2.871303e-11
## 567	Age	P.SEC.TSHS	0.0484768626	1.247711e-10
## 366	P.SEC.ENVR	P.SEC.SI	0.0481183750	1.705249e-10
## 583	P.SEC.MKTG	P.SEC.TSHS	0.0474207498	3.111993e-10
## 61	Age	P.SEC.CNSL	0.0470562924	4.246847e-10
## 502	Age	P.SEC.SRMS	0.0467444602	5.531009e-10
## 559	P.SEC.SOC	P.SEC.SSPA	0.0467122037	5.683702e-10
## 72	Age	P.SEC.COMP	0.0461840061	8.854921e-10
## 312	P.SEC.CNSL	P.SEC.SDNS	0.0460690799	9.745478e-10
## 142	Age	P.SEC.GRPH	0.0457800390	1.238898e-09
## 51	Age	P.SEC.BIOP	0.0449555818	2.437256e-09
## 230	P.SEC.MDD	P.SEC.MKTG	0.0441989539	4.488518e-09
## 240	P.SEC.BE	P.SEC.NPAR	0.0441895455	4.522448e-09
## 310	P.SEC.BIOM	P.SEC.SDNS	0.0438397018	5.977507e-09
## 54	P.SEC.BE	P.SEC.BIOP	0.0437814575	6.260375e-09

## 348	P.SEC.NPAR	P.SEC.SGG	0.0437144514	6.601915e-09
## 441	Age	P.SEC.SOC	0.0431035114	1.067726e-08
## 97	Age	P.SEC.ENVR	0.0420578832	2.395107e-08
## 46	AnySection	P.SEC.BIOP	-0.0417087046	3.123726e-08
## 25	DontPublish	InChapter	-0.0416151920	3.352813e-08
## 492	P.SEC.SGG	P.SEC.SPES	0.0416151866	3.352827e-08
## 13	USA.CAN	Age	-0.0408455060	5.969190e-08
## 282	Age	P.SEC.SBSS	0.0400101271	1.103573e-07
## 275	P.SEC.MKTG	P.SEC.QP	0.0391107657	2.110162e-07
## 181	P.SEC.BIOM	P.SEC.MDD	0.0389715172	2.330046e-07
## 16	AnySection	AgeJoinedASA	-0.0387333000	2.758514e-07
## 71	MEMTYPE	P.SEC.COMP	-0.0384836461	3.288915e-07
## 522	P.SEC.SDNS	P.SEC.SRMS	0.0384477209	3.372913e-07
## 335	P.SEC.BIOM	P.SEC.SGG	0.0381539474	4.141985e-07
## 365	P.SEC.EDUC	P.SEC.SI	0.0380024202	4.602233e-07
## 159	Age	P.SEC.HPSS	0.0378296060	5.187392e-07
## 268	P.SEC.ENVR	P.SEC.QP	0.0371049481	8.521265e-07
## 311	P.SEC.BIOP	P.SEC.SDNS	0.0370729987	8.707992e-07
## 45	P.SEC.BE	P.SEC.BIOM	0.0369528686	9.445974e-07
## 215	MEMTYPE	P.SEC.MKTG	-0.0366116364	1.188544e-06
## 111	Age	P.SEC.EPI	0.0365917363	1.204501e-06
## 274	P.SEC.MHS	P.SEC.QP	0.0365194420	1.264221e-06
## 141	MEMTYPE	P.SEC.GRPH	-0.0361716383	1.593631e-06
## 570	P.SEC.BE	P.SEC.TSHS	0.0357860976	2.055026e-06
## 501	MEMTYPE	P.SEC.SRMS	-0.0357743552	2.070920e-06
## 202	P.SEC.CNSL	P.SEC.MHS	0.0357615648	2.088368e-06
## 34	Age	P.SEC.BE	0.0355978465	2.324546e-06
## 41	MEMTYPE	P.SEC.BIOM	-0.0336886145	7.840671e-06
## 339	P.SEC.EDUC	P.SEC.SGG	0.0323283111	1.795438e-05
## 4	AnySection	DontPublish	-0.0318767857	2.347461e-05
## 35	AgeJoinedASA	P.SEC.BE	0.0308843599	4.180672e-05
## 363	P.SEC.CNSL	P.SEC.SI	0.0302666077	5.937794e-05
## 384	Age	P.SEC.SIS	0.0292409641	1.048243e-04
## 204	P.SEC.EDUC	P.SEC.MHS	0.0288250868	1.313301e-04
## 50	MEMTYPE	P.SEC.BIOP	-0.0285764997	1.500663e-04
## 320	P.SEC.MDD	P.SEC.SDNS	0.0284373031	1.616288e-04
## 83	MEMTYPE	P.SEC.EDUC	-0.0282294666	1.804629e-04
## 281	MEMTYPE	P.SEC.SBSS	-0.0280160961	2.019321e-04
## 309	P.SEC.BE	P.SEC.SDNS	0.0278973356	2.148986e-04
## 440	MEMTYPE	P.SEC.SOC	-0.0277405414	2.332175e-04
## 110	MEMTYPE	P.SEC.EPI	-0.0271109683	3.225663e-04
## 33	MEMTYPE	P.SEC.BE	-0.0258862402	5.948674e-04
## 37	AnySection	P.SEC.BIOM	-0.0257231458	6.441686e-04
## 60	MEMTYPE	P.SEC.CNSL	-0.0253413521	7.748159e-04
## 383	MEMTYPE	P.SEC.SIS	-0.0252651327	8.036805e-04
## 321	P.SEC.MHS	P.SEC.SDNS	0.0250192985	9.037185e-04
## 102	P.SEC.BIOP	P.SEC.ENVR	0.0247079264	1.046990e-03
## 198	InChapter	P.SEC.MHS	0.0243918479	1.213686e-03
## 48	USA.CAN	P.SEC.BIOP	0.0240260621	1.437033e-03
## 39	USA.CAN	P.SEC.BIOM	0.0236817699	1.681287e-03
## 216	Age	P.SEC.MKTG	0.0235015616	1.823845e-03
## 236	MEMTYPE	P.SEC.NPAR	-0.0232281334	2.061462e-03
## 406	P.SEC.SI	P.SEC.SIS	0.0231170473	2.165866e-03
## 493	P.SEC.SI	P.SEC.SPES	0.0231170473	2.165866e-03

## 543	P.SEC.ENVR	P.SEC.SSPA	0.0227249790	2.574284e-03
## 569	InChapter	P.SEC.TSHS	0.0226770700	2.628749e-03
## 161	InChapter	P.SEC.HPSS	0.0226065670	2.710817e-03
## 536	InChapter	P.SEC.SSPA	0.0225982114	2.720697e-03
## 237	Age	P.SEC.NPAR	0.0225784502	2.744194e-03
## 556	P.SEC.SI	P.SEC.SSPA	0.0220191200	3.491171e-03
## 470	MEMTYPE	P.SEC.SPES	-0.0218371864	3.771392e-03
## 218	InChapter	P.SEC.MKTG	0.0217236137	3.956528e-03
## 463	P.SEC.SI	P.SEC.SOC	0.0215144891	4.319149e-03
## 353	JSMtot	P.SEC.SI	0.0212456231	4.829556e-03
## 68	JSMtot	P.SEC.COMP	0.0211729189	4.976646e-03
## 251	P.SEC.MDD	P.SEC.NPAR	0.0210712904	5.189045e-03
## 347	P.SEC.MKTG	P.SEC.SGG	0.0204260708	6.739431e-03
## 368	P.SEC.GOVT	P.SEC.SI	0.0201478015	7.528083e-03
## 12	JSMtot	Age	0.0200576410	7.800810e-03
## 398	P.SEC.MDD	P.SEC.SIS	0.0199499928	8.138007e-03
## 191	AnySection	P.SEC.MHS	0.0199247498	8.218942e-03
## 108	USA.CAN	P.SEC.EPI	0.0199010215	8.295677e-03
## 186	P.SEC.ENVR	P.SEC.MDD	0.0197759866	8.710710e-03
## 190	P.SEC.HPSS	P.SEC.MDD	0.0196053258	9.307116e-03
## 405	P.SEC.SGG	P.SEC.SIS	0.0195143809	9.639595e-03
## 273	P.SEC.MDD	P.SEC.QP	0.0194378987	9.927355e-03
## 340	P.SEC.ENVR	P.SEC.SGG	0.0193427678	1.029594e-02
## 344	P.SEC.HPSS	P.SEC.SGG	0.0191744463	1.097803e-02
## 258	MEMTYPE	P.SEC.QP	-0.0191478468	1.108942e-02
## 349	P.SEC.QP	P.SEC.SGG	0.0190093065	1.168596e-02
## 305	MEMTYPE	P.SEC.SDNS	-0.0189033032	1.216144e-02
## 74	InChapter	P.SEC.COMP	0.0187012498	1.311545e-02
## 5	JSMtot	DontPublish	-0.0185933711	1.365143e-02
## 455	P.SEC.MDD	P.SEC.SOC	0.0184955996	1.415381e-02
## 96	MEMTYPE	P.SEC.ENVR	-0.0184057755	1.462966e-02
## 81	USA.CAN	P.SEC.EDUC	0.0183572832	1.489237e-02
## 196	Age	P.SEC.MHS	-0.0183111280	1.514627e-02
## 213	USA.CAN	P.SEC.MKTG	0.0182793052	1.532354e-02
## 360	P.SEC.BE	P.SEC.SI	0.0182527454	1.547289e-02
## 566	MEMTYPE	P.SEC.TSHS	-0.0181460942	1.608557e-02
## 99	InChapter	P.SEC.ENVR	0.0180962371	1.637923e-02
## 144	InChapter	P.SEC.GRPH	0.0180489544	1.666206e-02
## 67	AnySection	P.SEC.COMP	0.0173534424	2.134580e-02
## 399	P.SEC.MHS	P.SEC.SIS	0.0172789920	2.190940e-02
## 205	P.SEC.ENVR	P.SEC.MHS	0.0171193201	2.316197e-02
## 56	AnySection	P.SEC.CNSL	-0.0169404372	2.463866e-02
## 407	AnySection	P.SEC.SLDM	0.0169210901	2.480315e-02
## 333	InChapter	P.SEC.SGG	0.0168393998	2.550824e-02
## 531	USA.CAN	P.SEC.SSPA	0.0166031235	2.764603e-02
## 139	USA.CAN	P.SEC.GRPH	0.0164521946	2.909103e-02
## 260	AgeJoinedASA	P.SEC.QP	0.0161997403	3.165340e-02
## 156	USA.CAN	P.SEC.HPSS	0.0159963975	3.385578e-02
## 356	MEMTYPE	P.SEC.SI	-0.0158727259	3.525832e-02
## 524	P.SEC.SI	P.SEC.SRMS	0.0158112993	3.597319e-02
## 125	MEMTYPE	P.SEC.GOVT	-0.0157415117	3.680031e-02
## 381	USA.CAN	P.SEC.SIS	0.0156850742	3.748101e-02
## 306	Age	P.SEC.SDNS	0.0154996936	3.979277e-02
## 179	InChapter	P.SEC.MDD	0.0154488937	4.044699e-02

## 123	USA.CAN	P.SEC.GOVT	0.0153843526	4.129131e-02
## 85	AgeJoinedASA	P.SEC.EDUC	0.0152939808	4.249859e-02
## 504	InChapter	P.SEC.SRMS	0.0152520239	4.306917e-02
## 233	JSMtot	P.SEC.NPAR	0.0152492629	4.310694e-02
## 414	InChapter	P.SEC.SLDM	0.0151898266	4.392689e-02
## 278	JSMtot	P.SEC.SBSS	0.0151671093	4.424375e-02
## 411	MEMTYPE	P.SEC.SLDM	-0.0149501688	4.736789e-02
## 185	P.SEC.EDUC	P.SEC.MDD	0.0149229582	4.777254e-02
## 443	InChapter	P.SEC.SOC	0.0148902685	4.826250e-02
## 140	DontPublish	P.SEC.GRPH	0.0148489691	4.888754e-02
## 497	AnySection	P.SEC.SRMS	-0.0147568609	5.030603e-02
## 128	InChapter	P.SEC.GOVT	0.0145312804	5.392627e-02
## 158	MEMTYPE	P.SEC.HPSS	-0.0142710912	5.836939e-02
## 303	USA.CAN	P.SEC.SDNS	0.0140406038	6.255539e-02
## 438	USA.CAN	P.SEC.SOC	0.0139575433	6.412348e-02
## 301	AnySection	P.SEC.SDNS	0.0138469333	6.626192e-02
## 284	InChapter	P.SEC.SBSS	0.0137730715	6.772236e-02
## 473	InChapter	P.SEC.SPES	0.0135239697	7.284413e-02
## 499	USA.CAN	P.SEC.SRMS	0.0134266900	7.492850e-02
## 199	P.SEC.BE	P.SEC.MHS	0.0131978514	8.002411e-02
## 197	AgeJoinedASA	P.SEC.MHS	-0.0130287473	8.396769e-02
## 304	DontPublish	P.SEC.SDNS	0.0129703706	8.536504e-02
## 409	USA.CAN	P.SEC.SLDM	0.0126506239	9.335555e-02
## 563	JSMtot	P.SEC.TSHS	-0.0124164062	9.958105e-02
## 157	DontPublish	P.SEC.HPSS	-0.0123154938	1.023634e-01
## 43	AgeJoinedASA	P.SEC.BIOM	-0.0122984054	1.028406e-01
## 255	JSMtot	P.SEC.QP	-0.0122283729	1.048149e-01
## 412	Age	P.SEC.SLDM	0.0122080935	1.053922e-01
## 328	USA.CAN	P.SEC.SGG	0.0121039973	1.083953e-01
## 86	InChapter	P.SEC.EDUC	0.0119900313	1.117603e-01
## 173	JSMtot	P.SEC.MDD	0.0119675579	1.124335e-01
## 53	InChapter	P.SEC.BIOP	-0.0118654760	1.155317e-01
## 308	InChapter	P.SEC.SDNS	0.0116715238	1.216027e-01
## 232	AnySection	P.SEC.NPAR	0.0116390273	1.226439e-01
## 36	InChapter	P.SEC.BE	0.0115744037	1.247350e-01
## 82	DontPublish	P.SEC.EDUC	-0.0115416819	1.258044e-01
## 63	InChapter	P.SEC.CNSL	0.0115215376	1.264663e-01
## 58	USA.CAN	P.SEC.CNSL	0.0113177590	1.333153e-01
## 238	AgeJoinedASA	P.SEC.NPAR	0.0109129939	1.477665e-01
## 30	JSMtot	P.SEC.BE	-0.0108823725	1.489067e-01
## 121	AnySection	P.SEC.GOVT	0.0107914894	1.523303e-01
## 154	AnySection	P.SEC.HPSS	0.0107036173	1.556971e-01
## 38	JSMtot	P.SEC.BIOM	0.0106926667	1.561206e-01
## 26	MEMTYPE	InChapter	-0.0106577131	1.574782e-01
## 466	AnySection	P.SEC.SPES	-0.0106097557	1.593554e-01
## 176	MEMTYPE	P.SEC.MDD	-0.0104203587	1.669347e-01
## 533	MEMTYPE	P.SEC.SSPA	-0.0103540663	1.696507e-01
## 19	DontPublish	AgeJoinedASA	-0.0103204375	1.710410e-01
## 380	JSMtot	P.SEC.SIS	-0.0100069588	1.844142e-01
## 192	JSMtot	P.SEC.MHS	0.0100010631	1.846729e-01
## 530	JSMtot	P.SEC.SSPA	0.0099819857	1.855119e-01
## 564	USA.CAN	P.SEC.TSHS	0.0098953766	1.893565e-01
## 172	AnySection	P.SEC.MDD	0.0098264025	1.924600e-01
## 442	AgeJoinedASA	P.SEC.SOC	-0.0097312432	1.968028e-01

## 127	AgeJoinedASA	P.SEC.GOVT	0.0096483220	2.006453e-01
## 10	DontPublish	MEMTYPE	-0.0096144671	2.022297e-01
## 69	USA.CAN	P.SEC.COMP	0.0096109773	2.023936e-01
## 195	MEMTYPE	P.SEC.MHS	-0.0094849282	2.083764e-01
## 359	InChapter	P.SEC.SI	0.0092638035	2.191798e-01
## 261	InChapter	P.SEC.QP	0.0092410467	2.203140e-01
## 283	AgeJoinedASA	P.SEC.SBSS	0.0092276901	2.209817e-01
## 408	JSMtot	P.SEC.SLDM	0.0092081305	2.219621e-01
## 106	AnySection	P.SEC.EPI	-0.0092028728	2.222261e-01
## 329	DontPublish	P.SEC.SGG	-0.0086573257	2.508579e-01
## 193	USA.CAN	P.SEC.MHS	0.0086374420	2.519479e-01
## 565	DontPublish	P.SEC.TSHS	0.0082807928	2.720627e-01
## 352	AnySection	P.SEC.SI	0.0082487977	2.739195e-01
## 92	AnySection	P.SEC.ENVR	0.0081397838	2.803108e-01
## 302	JSMtot	P.SEC.SDNS	0.0078730477	2.963736e-01
## 254	AnySection	P.SEC.QP	-0.0078614362	2.970865e-01
## 49	DontPublish	P.SEC.BIOP	0.0078529689	2.976071e-01
## 279	USA.CAN	P.SEC.SBSS	0.0076477393	3.104124e-01
## 137	AnySection	P.SEC.GRPH	0.0076062541	3.130444e-01
## 500	DontPublish	P.SEC.SRMS	0.0076021170	3.133077e-01
## 436	AnySection	P.SEC.SOC	0.0074547305	3.227822e-01
## 472	AgeJoinedASA	P.SEC.SPES	0.0074237170	3.247994e-01
## 503	AgeJoinedASA	P.SEC.SRMS	0.0072887107	3.336760e-01
## 534	Age	P.SEC.SSPA	-0.0072480786	3.363779e-01
## 357	Age	P.SEC.SI	0.0069594707	3.559726e-01
## 327	JSMtot	P.SEC.SGG	0.0068379227	3.644362e-01
## 28	AgeJoinedASA	InChapter	0.0065608127	3.841969e-01
## 217	AgeJoinedASA	P.SEC.MKTG	0.0063475023	3.998459e-01
## 386	InChapter	P.SEC.SIS	0.0062492747	4.071792e-01
## 307	AgeJoinedASA	P.SEC.SDNS	-0.0060111023	4.252899e-01
## 469	DontPublish	P.SEC.SPES	-0.0058593561	4.370701e-01
## 468	USA.CAN	P.SEC.SPES	0.0058549913	4.374117e-01
## 122	JSMtot	P.SEC.GOVT	0.0055348250	4.628843e-01
## 6	USA.CAN	DontPublish	-0.0054636793	4.686549e-01
## 138	JSMtot	P.SEC.GRPH	0.0054213532	4.721068e-01
## 32	DontPublish	P.SEC.BE	-0.0054103460	4.730068e-01
## 326	AnySection	P.SEC.SGG	0.0053932744	4.744045e-01
## 52	AgeJoinedASA	P.SEC.BIOP	-0.0052204379	4.886819e-01
## 112	AgeJoinedASA	P.SEC.EPI	0.0050525305	5.027709e-01
## 57	JSMtot	P.SEC.CNSL	-0.0050290028	5.047621e-01
## 98	AgeJoinedASA	P.SEC.ENVR	0.0049221969	5.138533e-01
## 80	JSMtot	P.SEC.EDUC	-0.0048804733	5.174278e-01
## 385	AgeJoinedASA	P.SEC.SIS	-0.0048231190	5.223623e-01
## 79	AnySection	P.SEC.EDUC	-0.0046016023	5.416450e-01
## 124	DontPublish	P.SEC.GOVT	-0.0045878282	5.428556e-01
## 214	DontPublish	P.SEC.MKTG	-0.0045461666	5.465256e-01
## 109	DontPublish	P.SEC.EPI	0.0045432958	5.467789e-01
## 234	USA.CAN	P.SEC.NPAR	0.0044437692	5.555976e-01
## 143	AgeJoinedASA	P.SEC.GRPH	0.0043595999	5.631093e-01
## 211	AnySection	P.SEC.MKTG	-0.0043042912	5.680718e-01
## 44	InChapter	P.SEC.BIOM	0.0043042102	5.680791e-01
## 160	AgeJoinedASA	P.SEC.HPSS	0.0042853693	5.697744e-01
## 277	AnySection	P.SEC.SBSS	0.0041973887	5.777225e-01
## 31	USA.CAN	P.SEC.BE	0.0040012795	5.956242e-01

## 177	Age	P.SEC.MDD	-0.0038856982	6.062920e-01
## 155	JSMtot	P.SEC.HPSS	-0.0035795122	6.349561e-01
## 529	AnySection	P.SEC.SSPA	-0.0035016585	6.423349e-01
## 379	AnySection	P.SEC.SIS	-0.0034318031	6.489859e-01
## 467	JSMtot	P.SEC.SPES	0.0033030630	6.613166e-01
## 280	DontPublish	P.SEC.SBSS	0.0032737477	6.641374e-01
## 70	DontPublish	P.SEC.COMP	-0.0030804412	6.828560e-01
## 73	AgeJoinedASA	P.SEC.COMP	0.0030039672	6.903162e-01
## 588	P.SEC.SGG	P.SEC.TSHS	-0.0029298094	6.975794e-01
## 342	P.SEC.GOVT	P.SEC.SGG	-0.0028972693	7.007752e-01
## 178	AgeJoinedASA	P.SEC.MDD	-0.0028858944	7.018937e-01
## 188	P.SEC.GOVT	P.SEC.MDD	-0.0028467971	7.057427e-01
## 486	P.SEC.MHS	P.SEC.SPES	-0.0028419019	7.062252e-01
## 382	DontPublish	P.SEC.SIS	-0.0028406296	7.063506e-01
## 94	USA.CAN	P.SEC.ENVR	0.0028256162	7.078311e-01
## 462	P.SEC.SGG	P.SEC.SOC	-0.0027461689	7.156839e-01
## 358	AgeJoinedASA	P.SEC.SI	-0.0026646333	7.237745e-01
## 212	JSMtot	P.SEC.MKTG	-0.0025925347	7.309545e-01
## 535	AgeJoinedASA	P.SEC.SSPA	-0.0025424705	7.359541e-01
## 113	InChapter	P.SEC.EPI	0.0023743444	7.528249e-01
## 59	DontPublish	P.SEC.CNSL	0.0023298322	7.573117e-01
## 375	P.SEC.QP	P.SEC.SI	-0.0022995854	7.603652e-01
## 373	P.SEC.MKTG	P.SEC.SI	-0.0021712335	7.733640e-01
## 107	JSMtot	P.SEC.EPI	-0.0021037218	7.802271e-01
## 437	JSMtot	P.SEC.SOC	0.0020854483	7.820877e-01
## 568	AgeJoinedASA	P.SEC.TSHS	0.0019834023	7.925007e-01
## 351	P.SEC.SDNS	P.SEC.SGG	-0.0019151677	7.994843e-01
## 194	DontPublish	P.SEC.MHS	-0.0018109043	8.101862e-01
## 40	DontPublish	P.SEC.BIOM	0.0015271992	8.394813e-01
## 410	DontPublish	P.SEC.SLDM	-0.0014786865	8.445142e-01
## 174	USA.CAN	P.SEC.MDD	0.0014703511	8.453795e-01
## 532	DontPublish	P.SEC.SSPA	0.0013696919	8.558446e-01
## 175	DontPublish	P.SEC.MDD	0.0012612671	8.671453e-01
## 354	USA.CAN	P.SEC.SI	-0.0012161417	8.718567e-01
## 331	Age	P.SEC.SGG	-0.0011508622	8.786804e-01
## 235	DontPublish	P.SEC.NPAR	-0.0011180557	8.821131e-01
## 332	AgeJoinedASA	P.SEC.SGG	0.0009934063	8.951754e-01
## 330	MEMTYPE	P.SEC.SGG	-0.0009109805	9.038288e-01
## 355	DontPublish	P.SEC.SI	-0.0008162894	9.137840e-01
## 93	JSMtot	P.SEC.ENVR	0.0007820961	9.173822e-01
## 257	DontPublish	P.SEC.QP	-0.0006928156	9.267853e-01
## 62	AgeJoinedASA	P.SEC.CNSL	-0.0006033013	9.362232e-01
## 439	DontPublish	P.SEC.SOC	0.0005096137	9.461108e-01
## 562	AnySection	P.SEC.TSHS	-0.0004920912	9.479610e-01
## 498	JSMtot	P.SEC.SRMS	0.0004794515	9.492958e-01
## 47	JSMtot	P.SEC.BIOP	-0.0003350201	9.645579e-01
## 413	AgeJoinedASA	P.SEC.SLDM	-0.0003169303	9.664705e-01
## 239	InChapter	P.SEC.NPAR	-0.0001244345	9.868322e-01
## 95	DontPublish	P.SEC.ENVR	-0.0001162034	9.877032e-01
## 29	AnySection	P.SEC.BE	-0.0001022352	9.891812e-01
## 256	USA.CAN	P.SEC.QP	0.0001007073	9.893429e-01