Assignment 3 Followup

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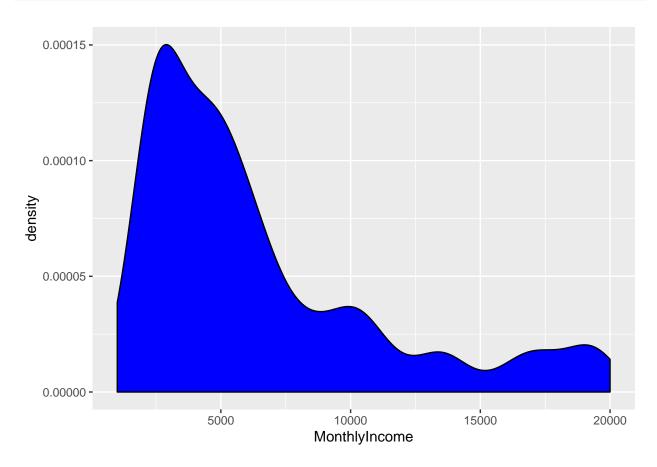
1/29/2019

Loading Data

load("C:/Users/jerem/Google Drive/Online/Vandy/11o8200repo/attrition.Rdata")

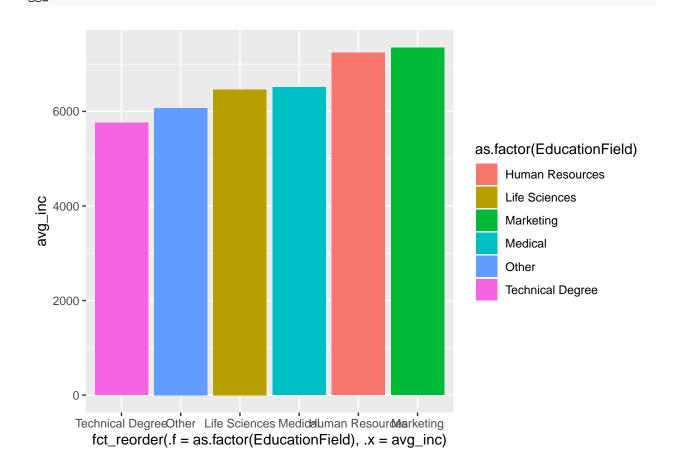
1. Create a graph that shows the distribution of monthly income.

```
gg<-ggplot(at,aes(x=MonthlyIncome))
gg<-gg+geom_density(fill="blue")
gg</pre>
```

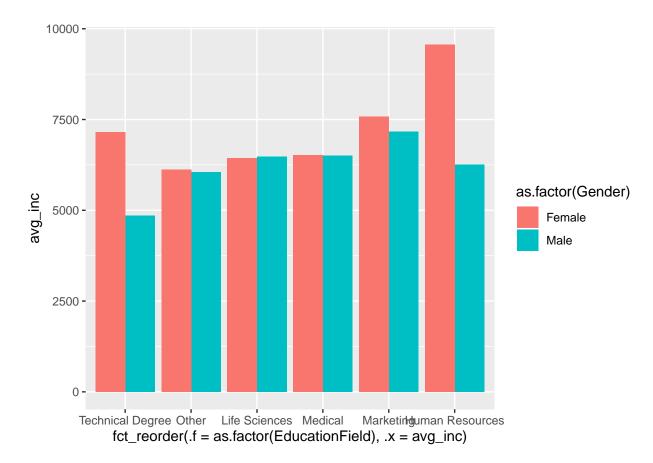


2. Create a graph that shows the average level of monthly income by field of education.

```
at_sum<-at%>%
  group_by(EducationField)%>%
  summarize(avg_inc=mean(MonthlyIncome))
at_sum
## # A tibble: 6 x 2
##
     EducationField
                       avg_inc
     <chr>
                         <dbl>
##
## 1 Human Resources
                         7241.
## 2 Life Sciences
                         6463.
## 3 Marketing
                         7349.
## 4 Medical
                         6510.
## 5 Other
                         6072.
## 6 Technical Degree
                         5758.
gg_education<-ggplot(at_sum,aes(x=fct_reorder(.f=as.factor(EducationField),</pre>
                                      .x=avg_inc),
                       y=avg_inc,
                       fill=as.factor(EducationField)))
## Use bar plot geometry, height of bars set by level observed in dataset
gg_education<-gg_education+geom_bar(stat="Identity")</pre>
## Print
gg_education
```



3. Create another graph that shows average level of monthly income by field of education and gender.



4. Create a graph that shows average levels of monthly income by field of education, gender and job level (scale of 1-5, highest ranked employees are

5)

```
at_sum<-at%>%
group_by(EducationField,Gender,JobLevel)%>%
summarize(avg_inc=mean(MonthlyIncome))
```

