Lab 1: GGPlot

R. Harini

18BCE1010

Code:

```
Data=read.csv("C:/Code/DV_Lab/Lab1/Dataset.csv", fileEncoding="UTF-8-BOM")

xi=Data$Age.Group

yi=Data$Number.of.Loans

plot(xi,yi,type='h',color='purple')

zi=Data$Bad.Rate

df=data.frame(xi,yi,zi)

ggplot(data=df, aes(x=xi, y=yi)) + geom_bar(stat="identity", fill="black")+xlab("Age
Groups")+ylab("Number Of Loans")

ggplot(data=df) + geom_bar(aes(x=xi, y=yi),stat="identity", fill="black")+geom_line(aes(x=xi,
y=zi),stat="identity",group=1)+

  scale_y_continuous(sec.axis = sec_axis(~./max(df$yi)))


ggplot(df) +

  geom_col(aes(x = xi, y = yi)) +

  geom_line(aes(x = xi, y = zi/0.0005,colour = "Bad.Rate", group = 1),

        size = 1) +

  scale_y_continuous(sec.axis = sec_axis(~.*0.0005, name = "BadRate")) +

  labs(y = "No. 0f Loans", x = "Age")+

  scale_colour_manual("", breaks=c("Bad.Rate"),values=c("red"))+

  theme(legend.position = c(0.9, 0.95))
```

Output: