Scatterplot

Code ▾

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```
library(ggplot2)

data<-read.delim('/home/atrides/Desktop/Applied-Statistics-with-R-master/sta
tistics_with_R/04_Exploring_Data_with_Graphs/Exam Anxiety.dat',header=TRUE)

head(data)
```
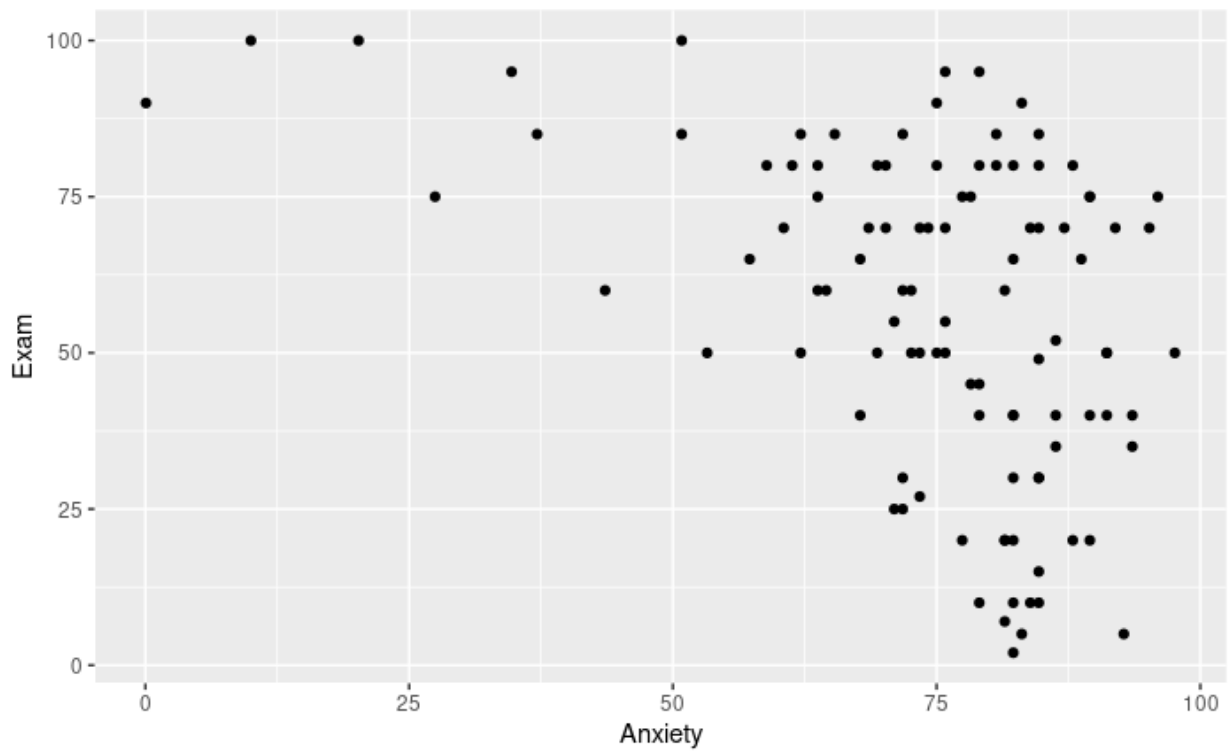
	Code <int>	Revise <int>	Exam <int>	Anxiety <dbl>	Gender <chr>
1	1	4	40	86.298	Male
2	2	11	65	88.716	Female
3	3	27	80	70.178	Male
4	4	53	80	61.312	Male
5	5	4	40	89.522	Male
6	6	22	70	60.506	Female
6 rows					

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```
scatter<-ggplot(data, aes(Anxiety, Exam))

# scatterplot
scatter+geom_point()
```
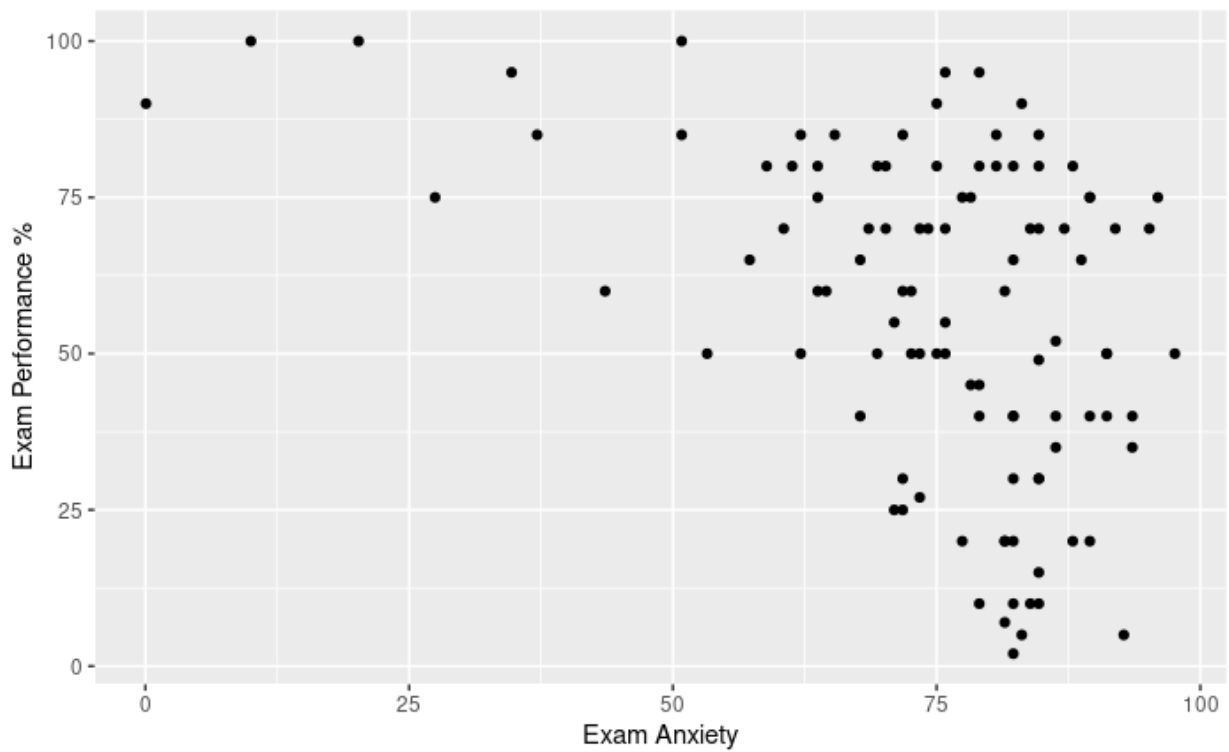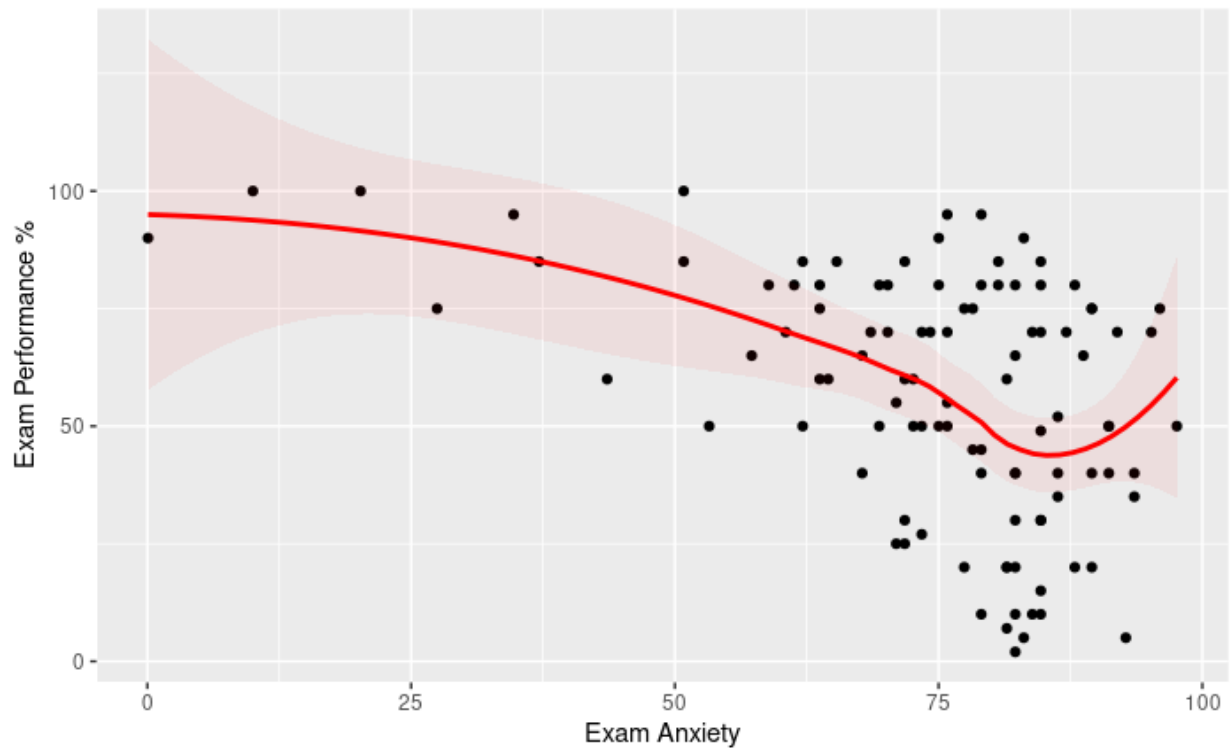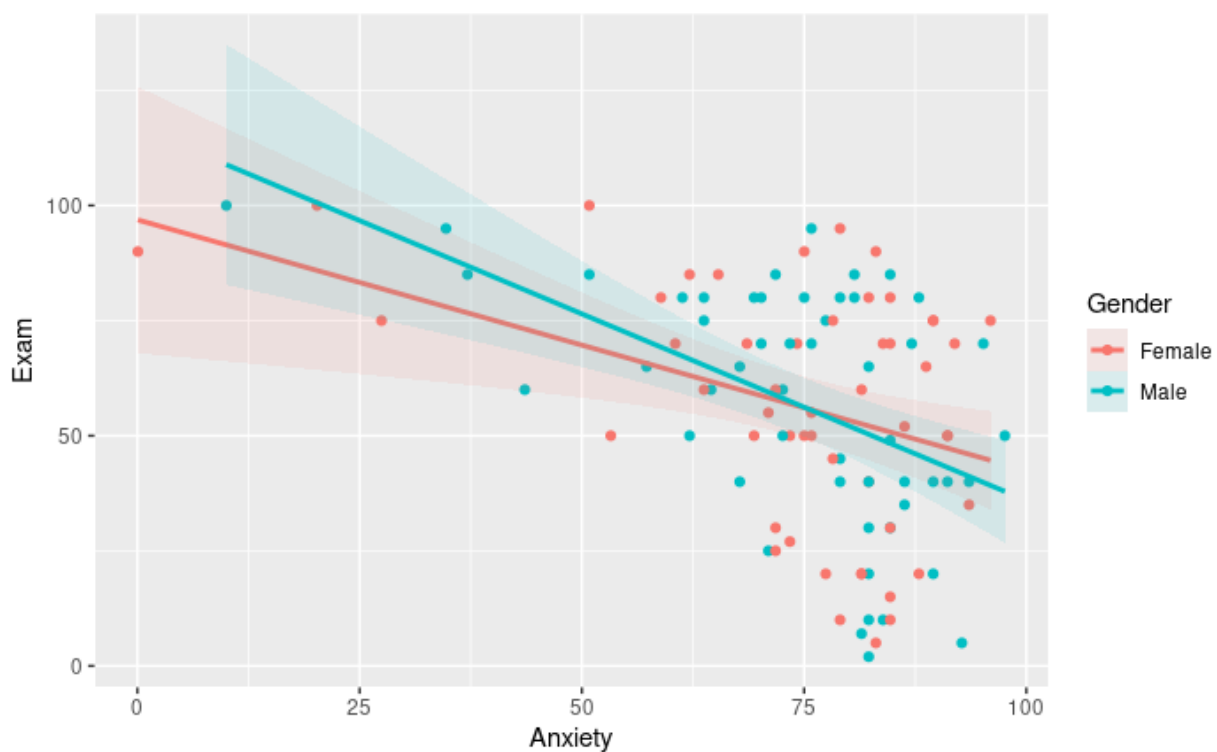
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```
# adding X and Y labels
scatter+geom_point()+labs(x='Exam Anxiety', y='Exam Performance %')
```


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```
# adding regression line to scatterplot
scatter+geom_point()+geom_smooth(method='loess', color='red',formula='y~x',a
lpha=0.06,fill='Red')+labs(x='Exam Anxiety', y='Exam Performance %')
```


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```
# Grouped Scatterplot
scatter <- ggplot(data, aes(Anxiety, Exam, colour = Gender))
scatter + geom_point() + geom_smooth(formula='y~x',method = "lm", aes(fill=G
ender),alpha=0.1)
```

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```
scatter + geom_point() + geom_smooth(formula='y~x',method = "lm", aes(fill=G
ender),alpha=0.1)+ labs(x = "Exam Anxiety", y = "Exam Performance %", colour
= "Gender")
```