Data Science and Managemnet: Assignment 1

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0. R scripts

```
> seoul_uer <- read.csv("c:/seoul_uer.csv")

> y <- seoul_uer[,1]

> # 'y' is year

> q <- seoul_uer[,2]

> # 'q' is quarter

> u <- seoul_uer[,3]

> # 'u' is unemployment rate

> u_mean <- mean(seoul_uer$u)

> u_mean

[1] 4.476667

> plot(y,u)

> hist(u)

> pairs(seoul_uer)

> means<-tapply(seoul_uer$u,seoul_uer$y,mean)

> means

 2000  2001  2002  2003  2004  2005  2006  2007  2008  2009  2010  2011

5.075 4.775 4.325 4.600 4.675 4.775 4.525 4.050 3.925 4.525 4.725 4.575

 2012  2013  2014

4.200 3.950 4.450

> plot(means)
```
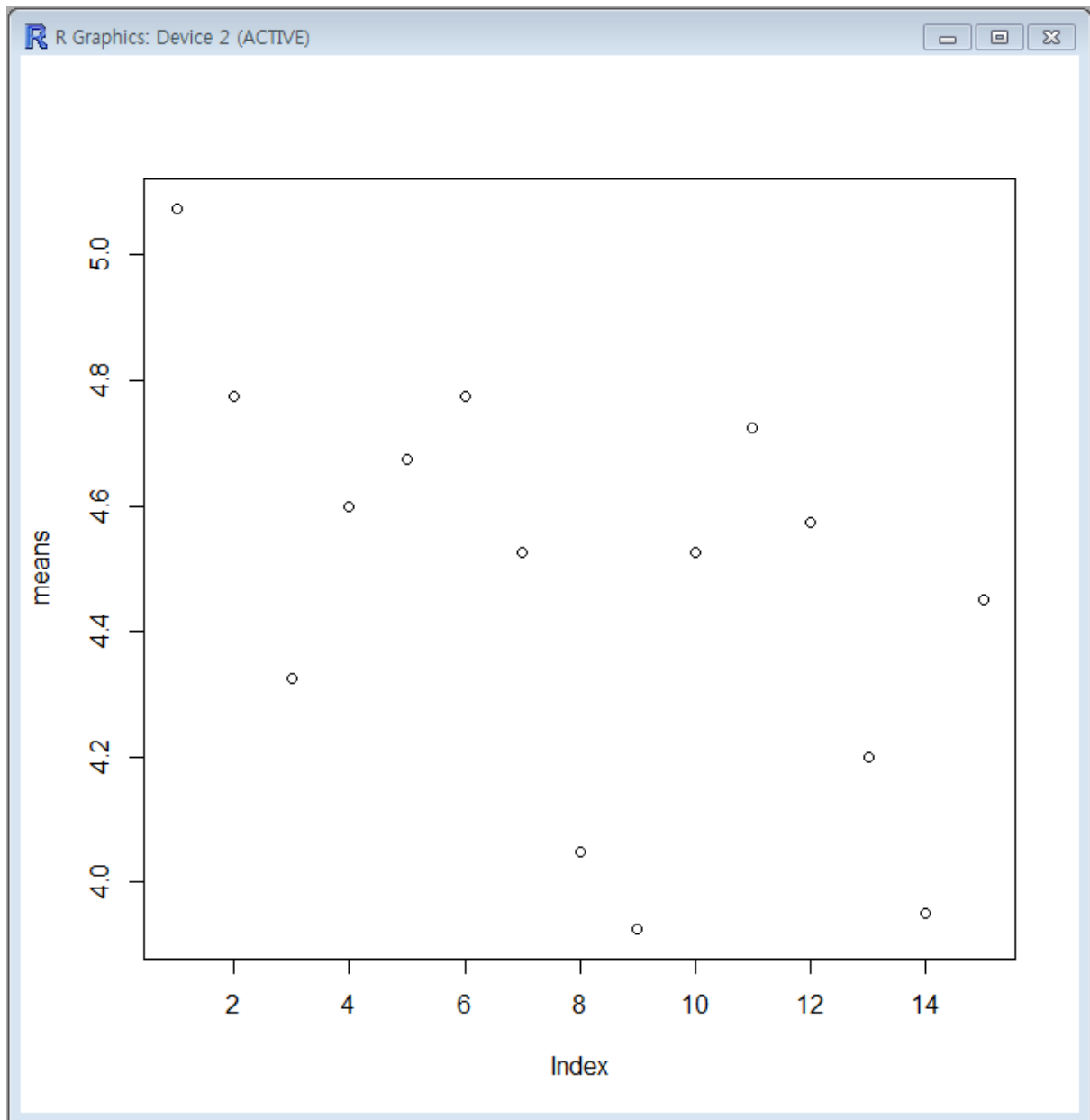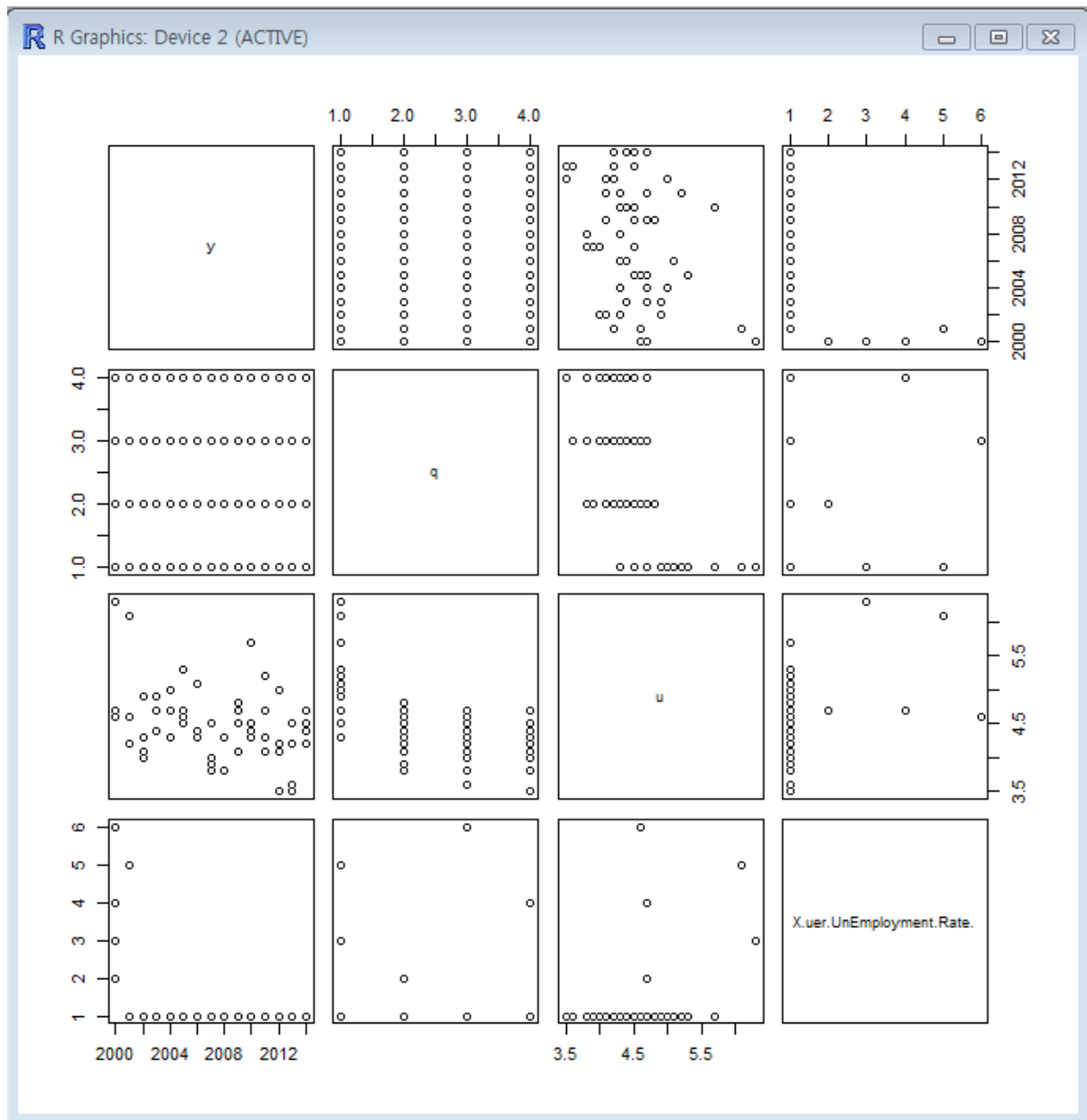
1.

2.

3.

Histogram of u