

Intro to MLR in R

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- ▶ How to run a MLR
- ▶ How to interpret an MLR output
- ▶ Textbook: A Modern Approach to Regression with R by S.J. Sheather

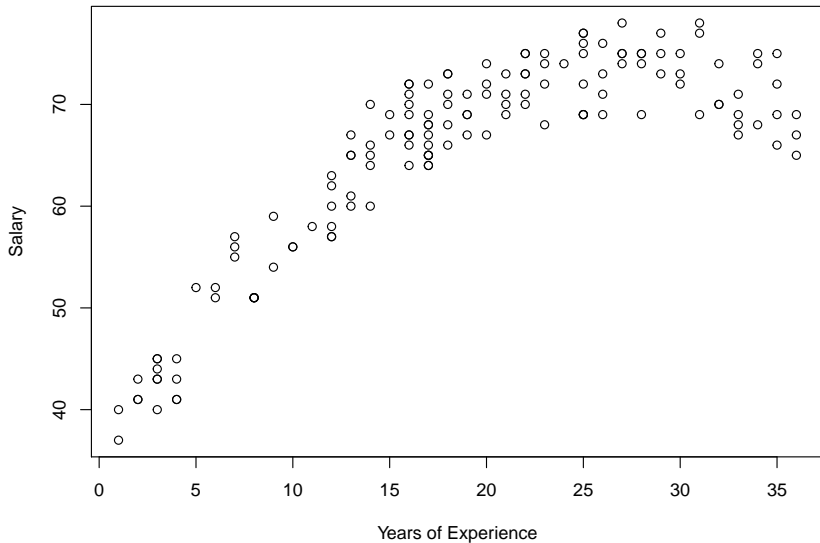
The data: Salary to Experience

```
profsalary= read.table("~/Documents/profsalary.txt", header=TRUE)  
attach(profsalary)
```

Scatterplot

#Figure 5.1 on page 126

```
plot(Experience,Salary,xlab="Years of Experience")
```



Example: An MLR output

```
m2 <- lm(Salary~Experience + I(Experience^2))  
plot(Experience,Salary,xlab="Years of Experience")  
ExperienceNew <- seq(0,37,len=37)  
lines(ExperienceNew,predict(m2,newdata=data.frame(Experience=ExperienceNew)))
```

