

Figure-1

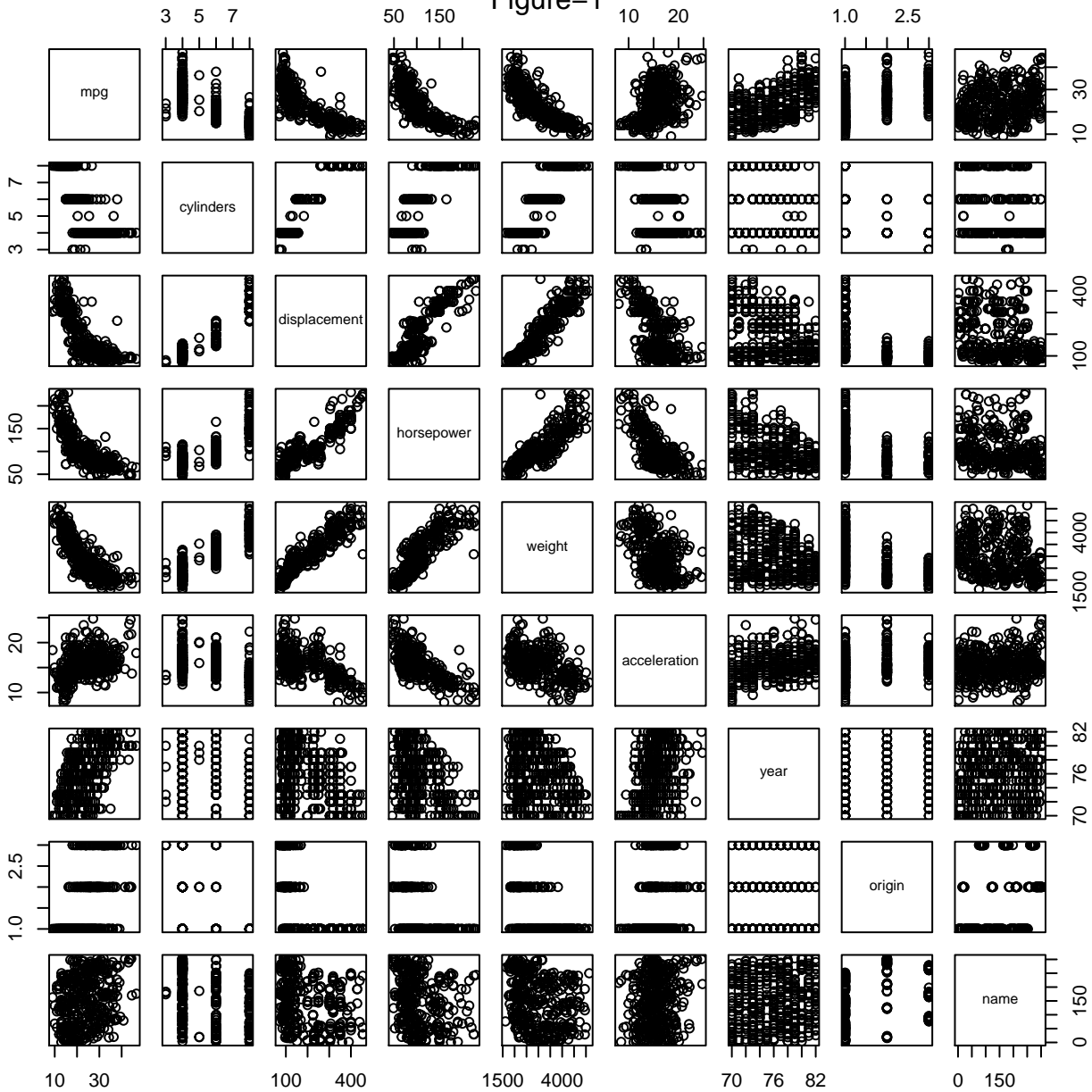


Figure 2

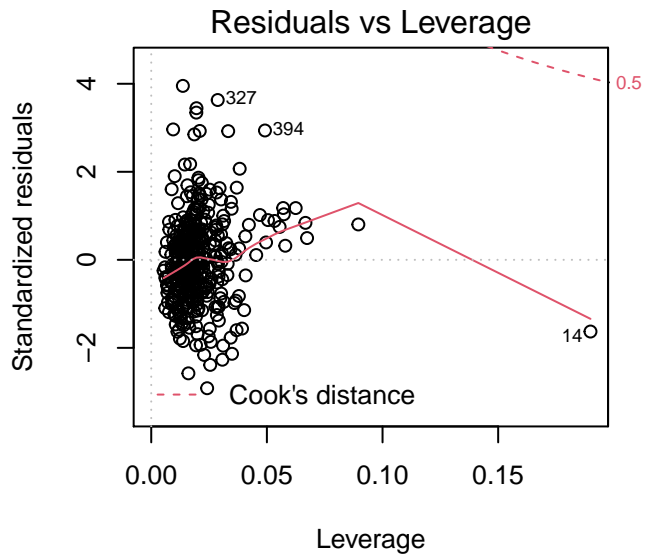
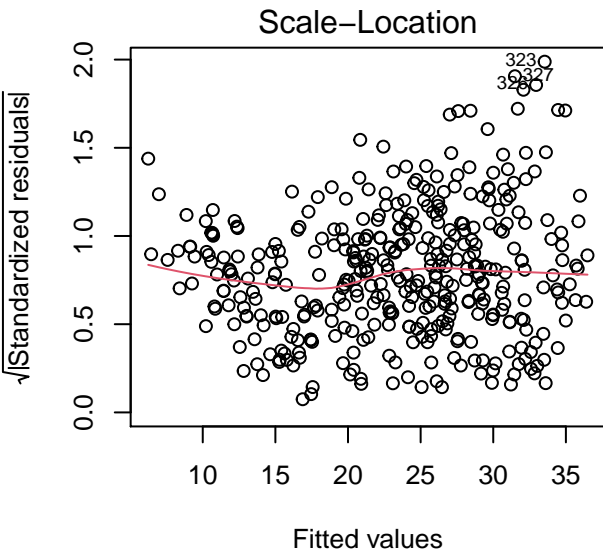
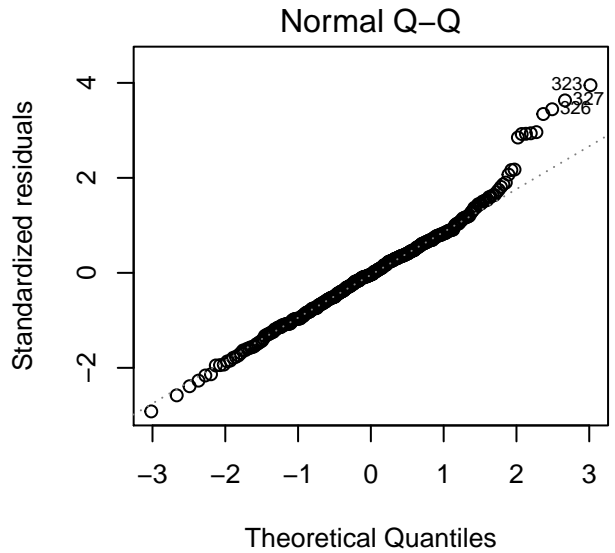
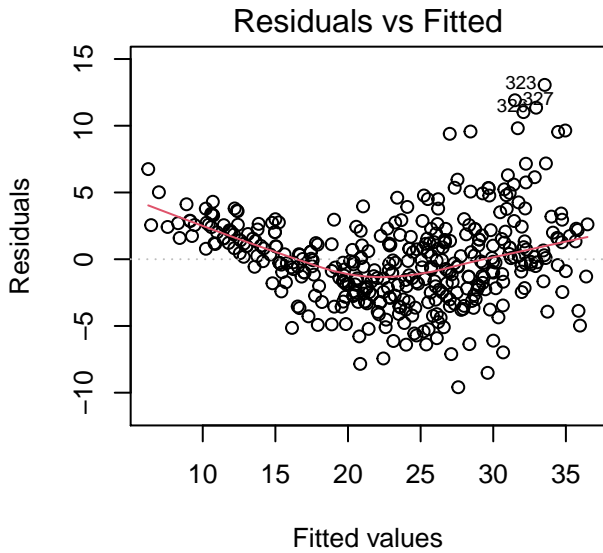


Figure 3 : MPG~horsepower

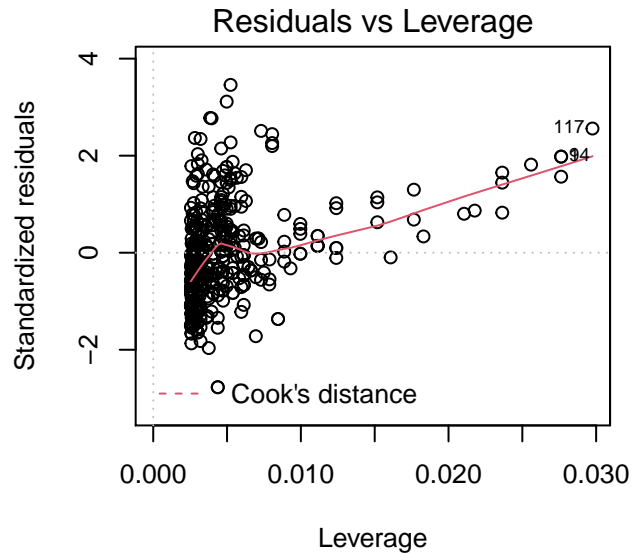
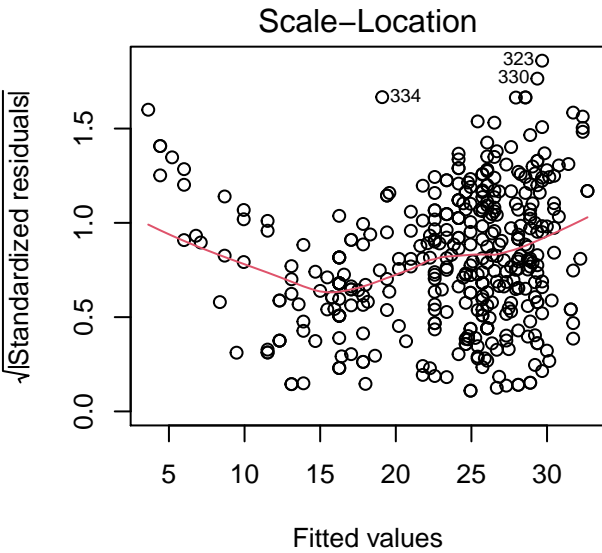
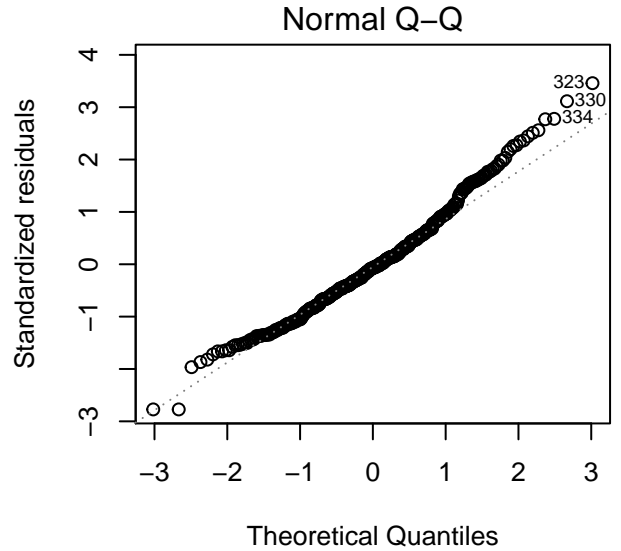
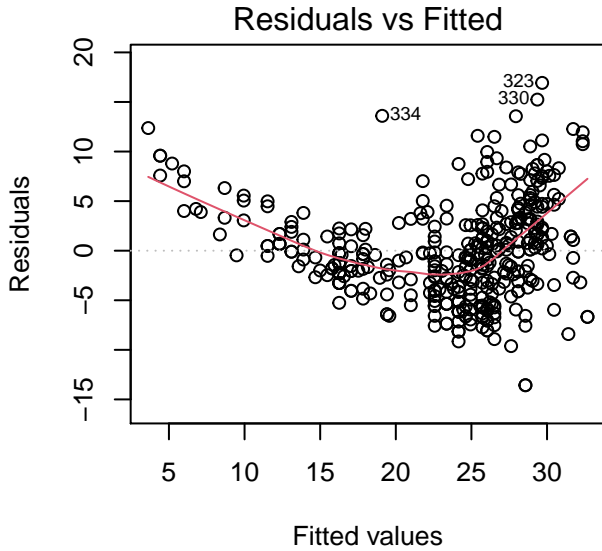


Figure 4 : MPG~Log(horsepower)

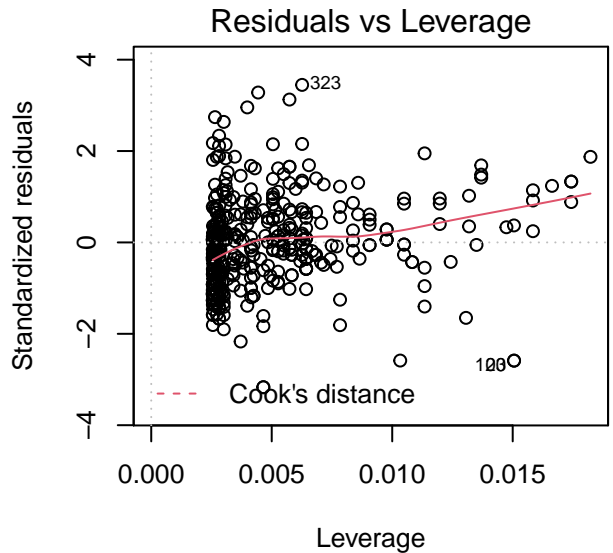
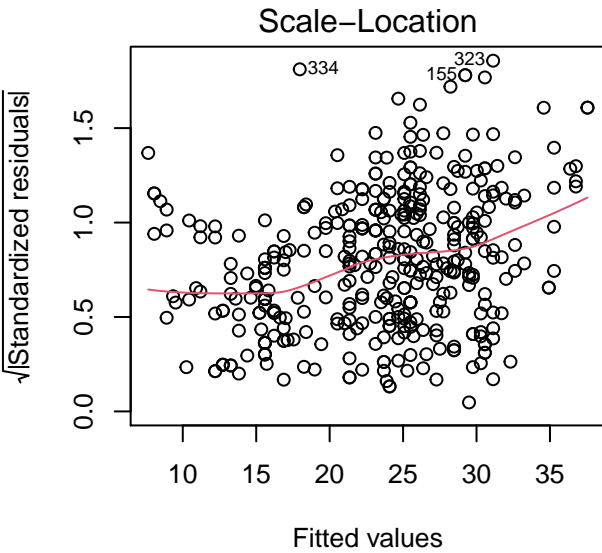
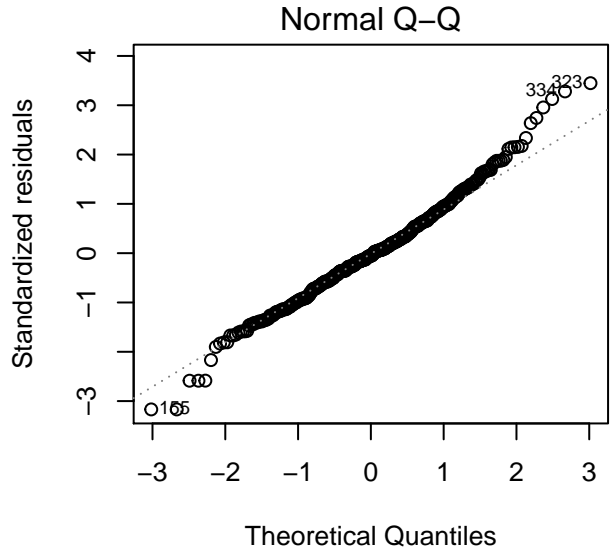
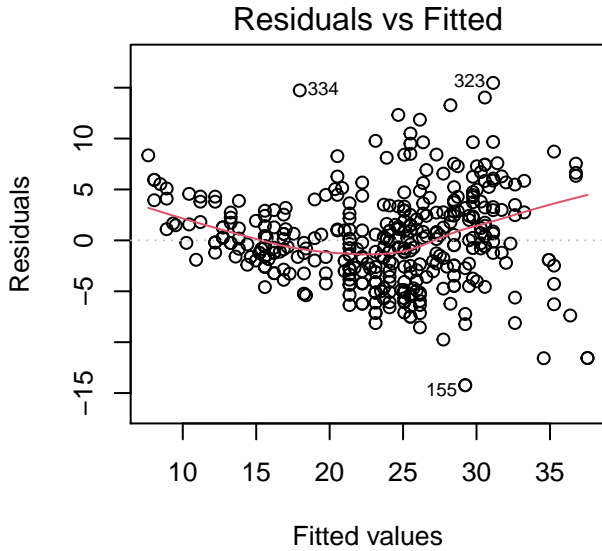


Figure 5 : MPG~Sqrt(horsepower)

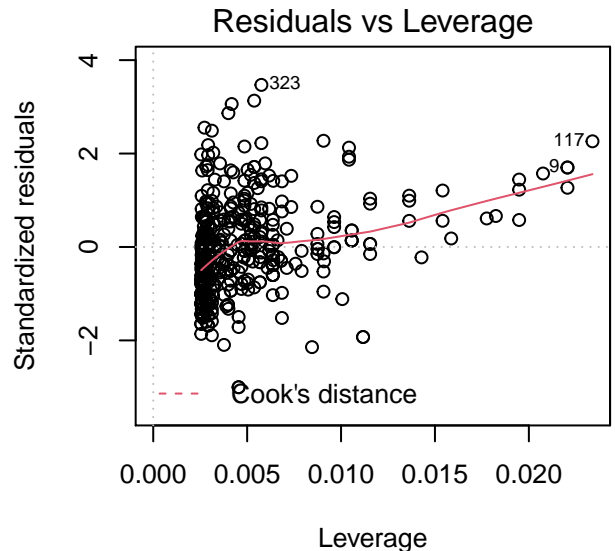
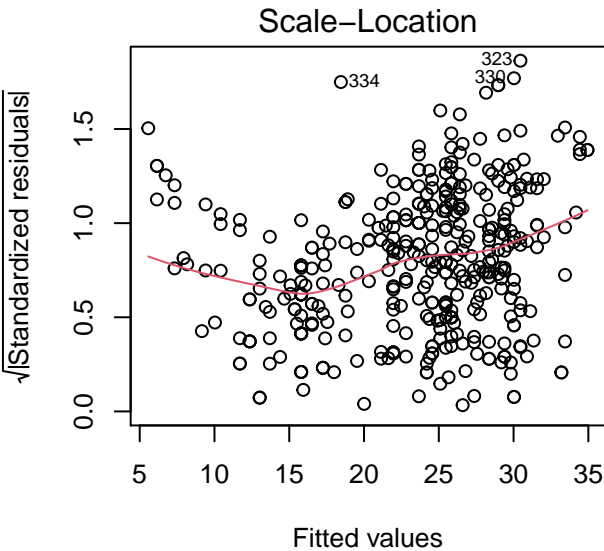
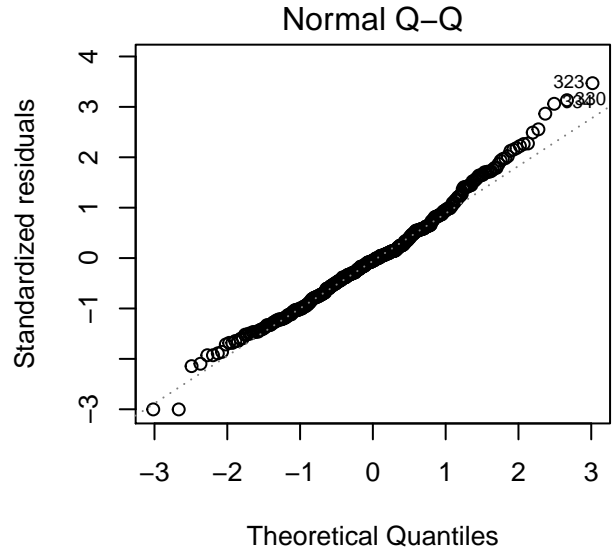
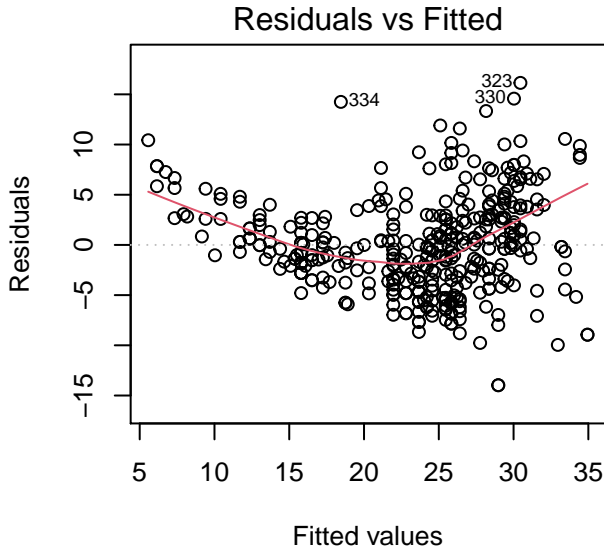
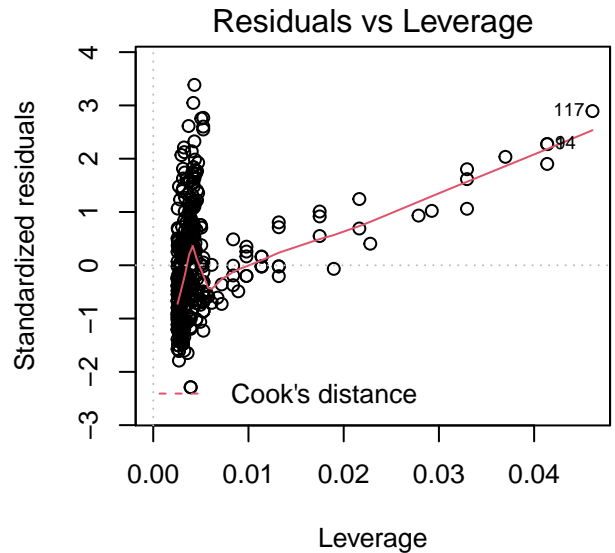
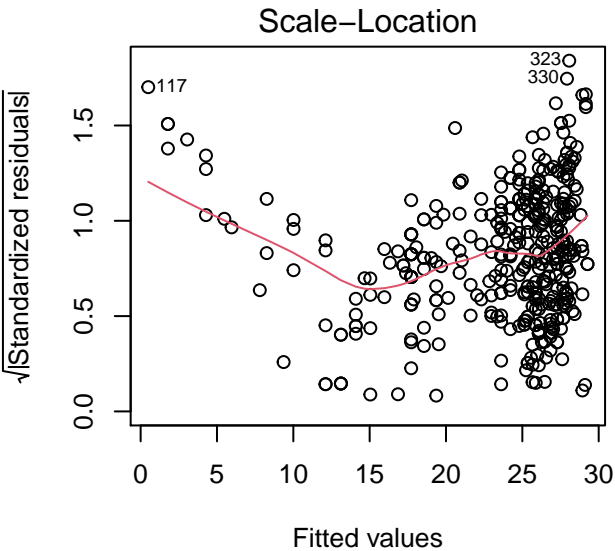
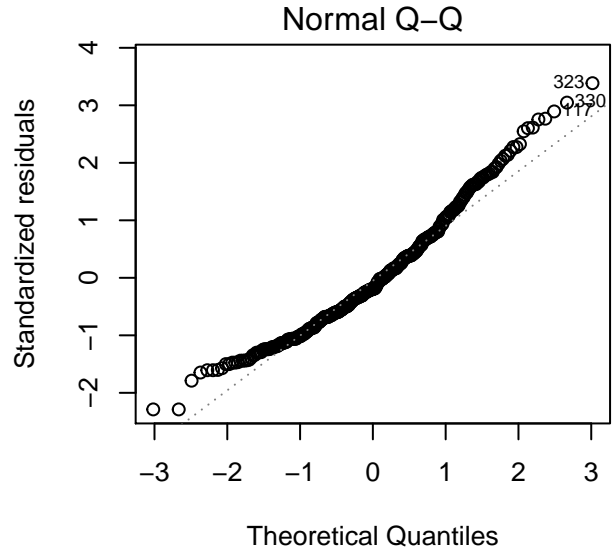
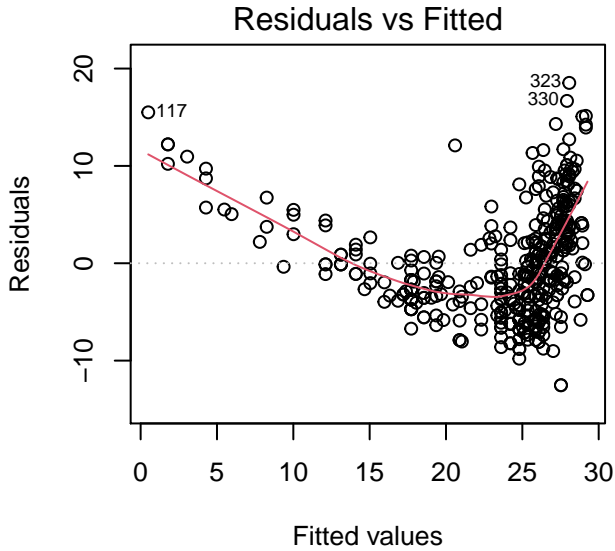
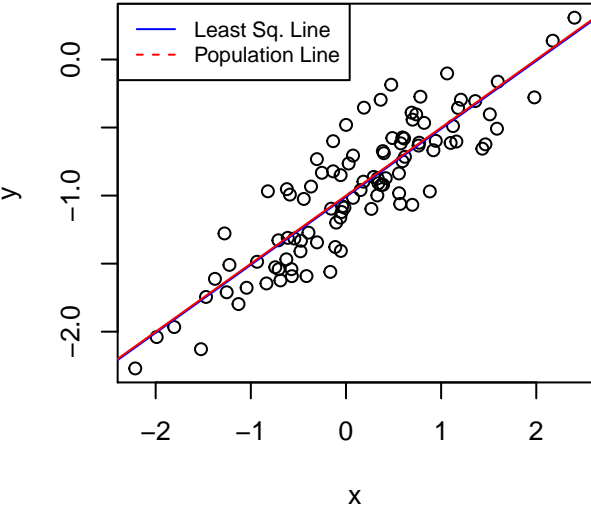


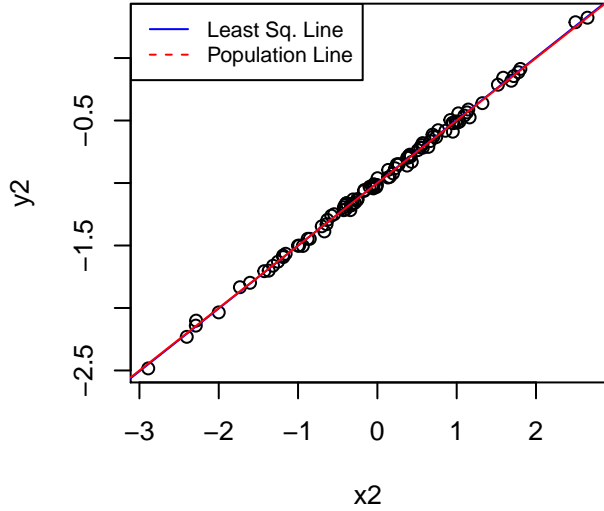
Figure 6:  $MPG \sim I(\text{horsepower}^2)$



**Figure 7 : Least Sq & Population Line**



**Figure 8 : Noise reduced**



**Figure 9 : Noise added**

