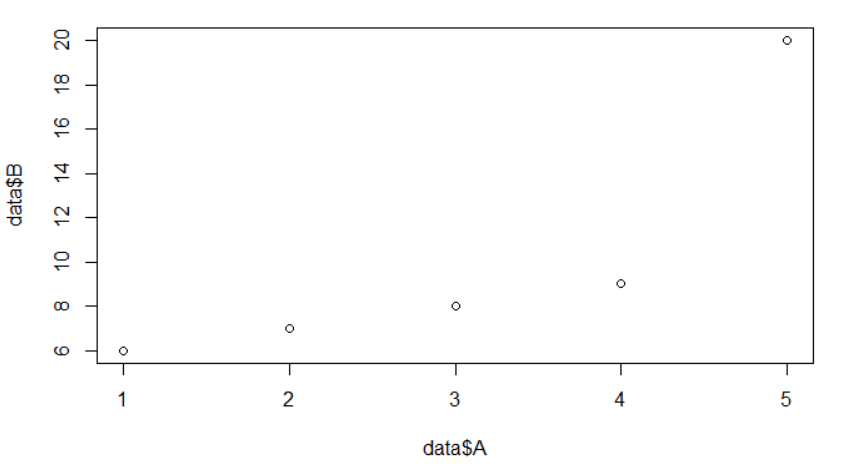
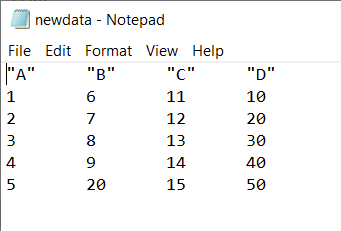
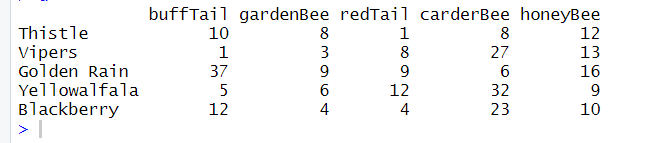
**1a).**



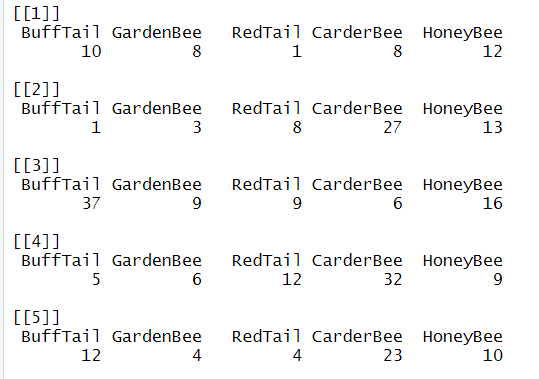
**1b).**



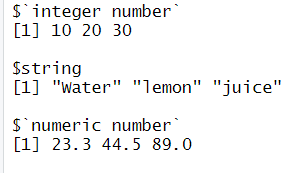
**2).**



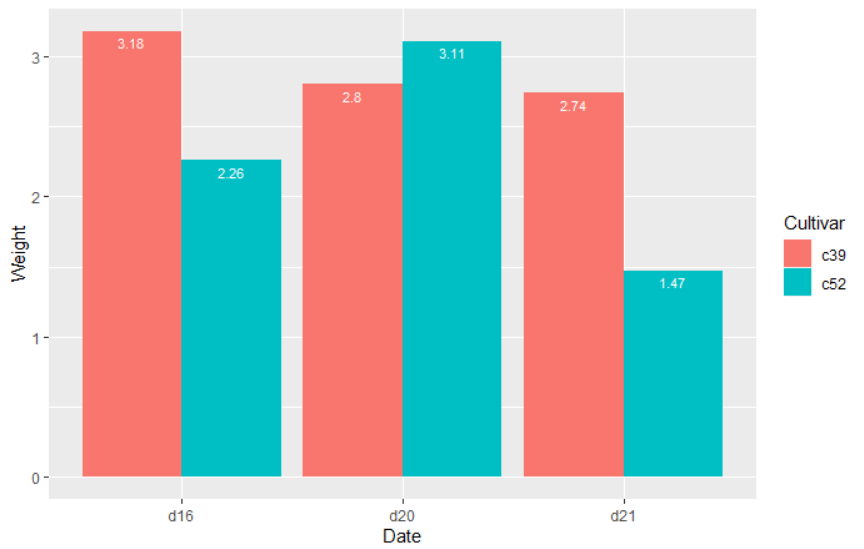
**3a).**

.

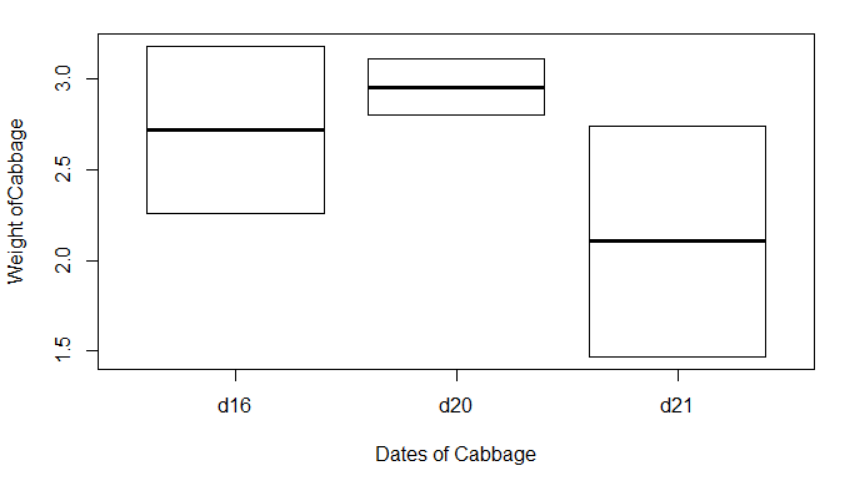
**3b).**



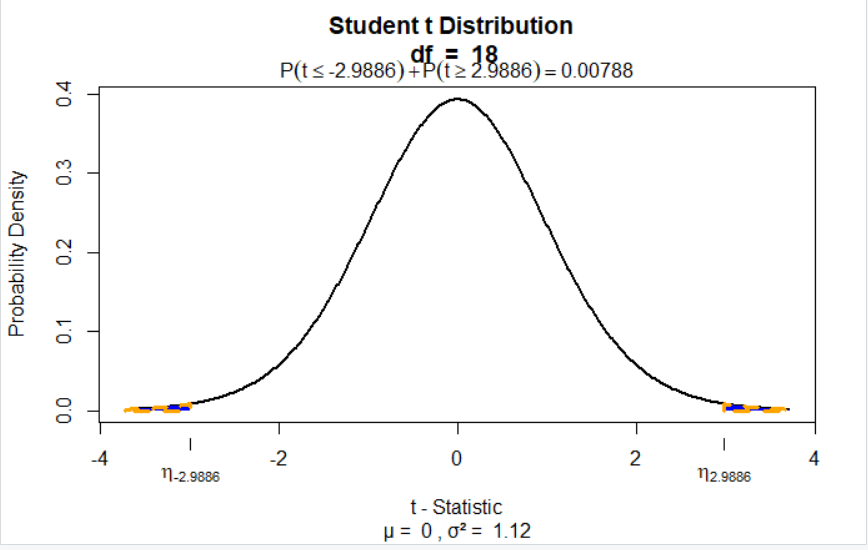
**4a).**

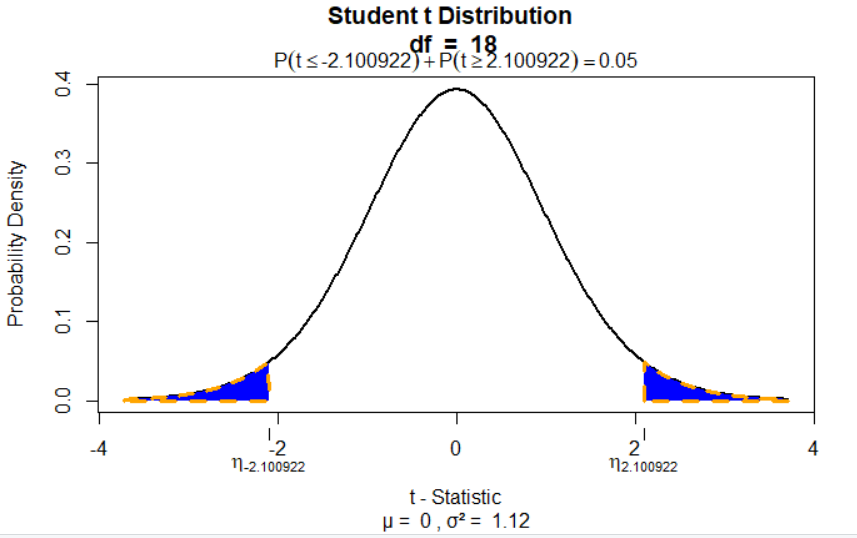


**4b).**

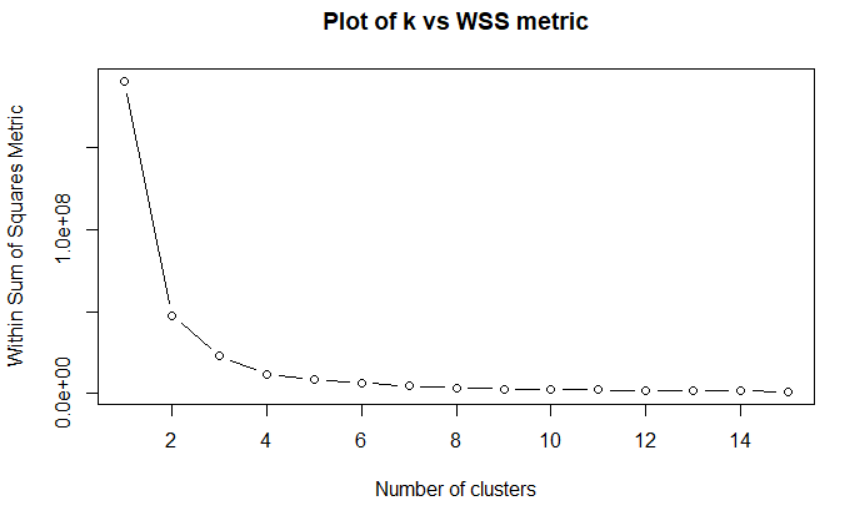


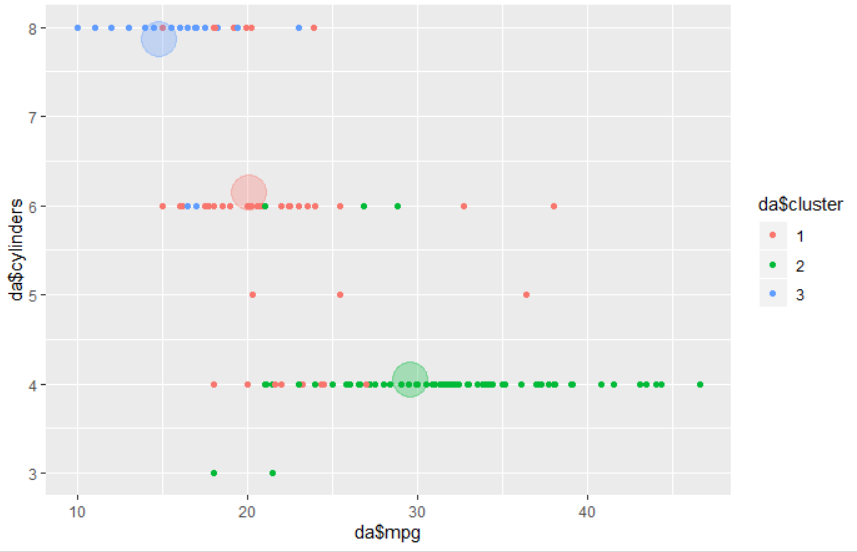
**5).**



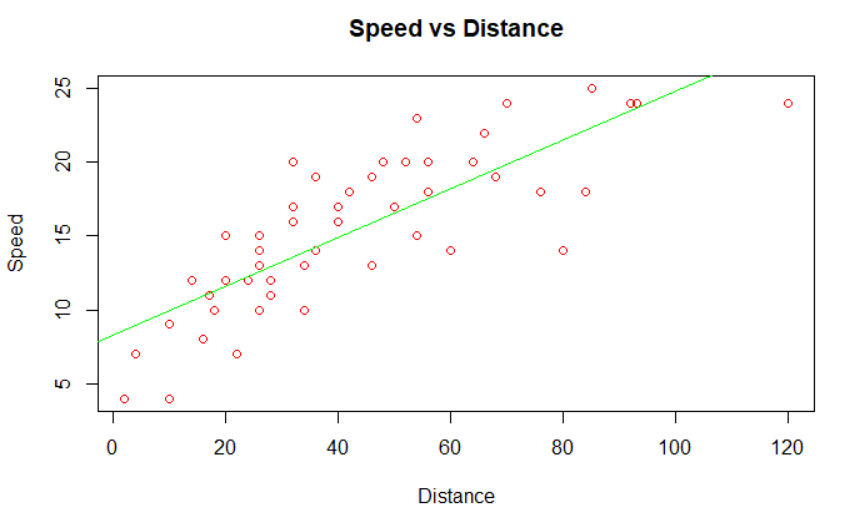


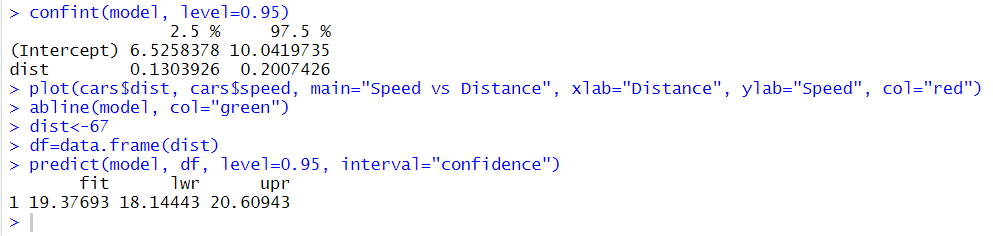
**6).**



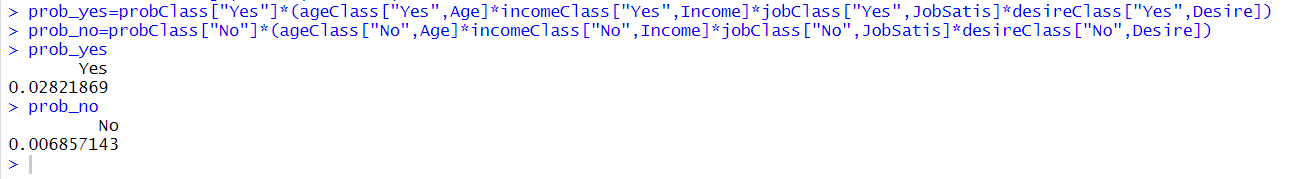


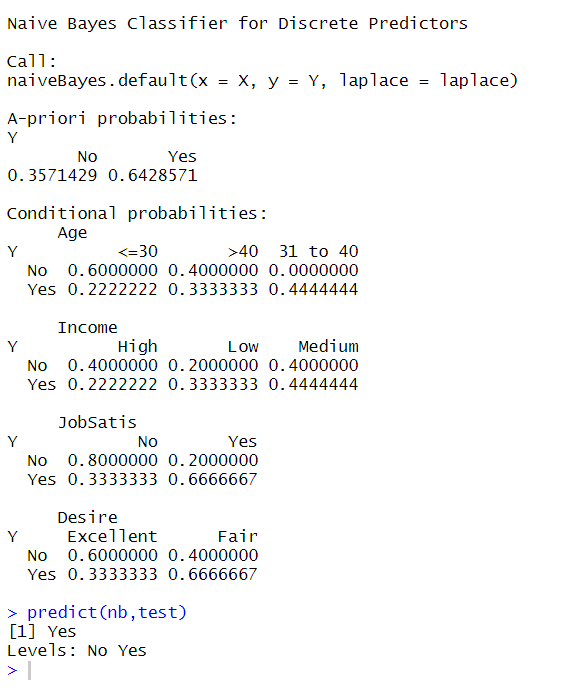
**7).**



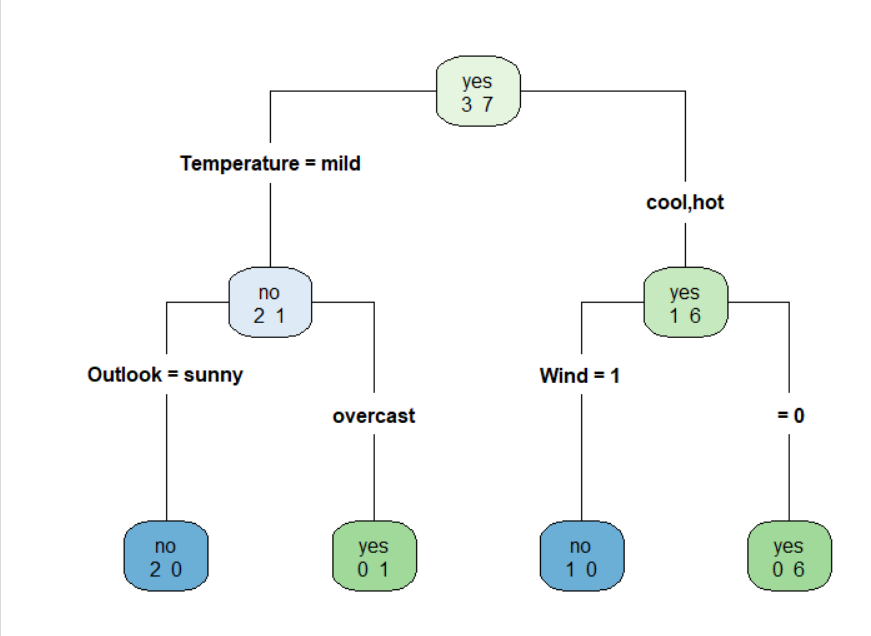


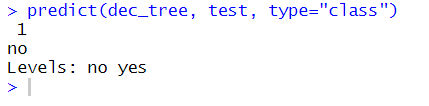
**8).**



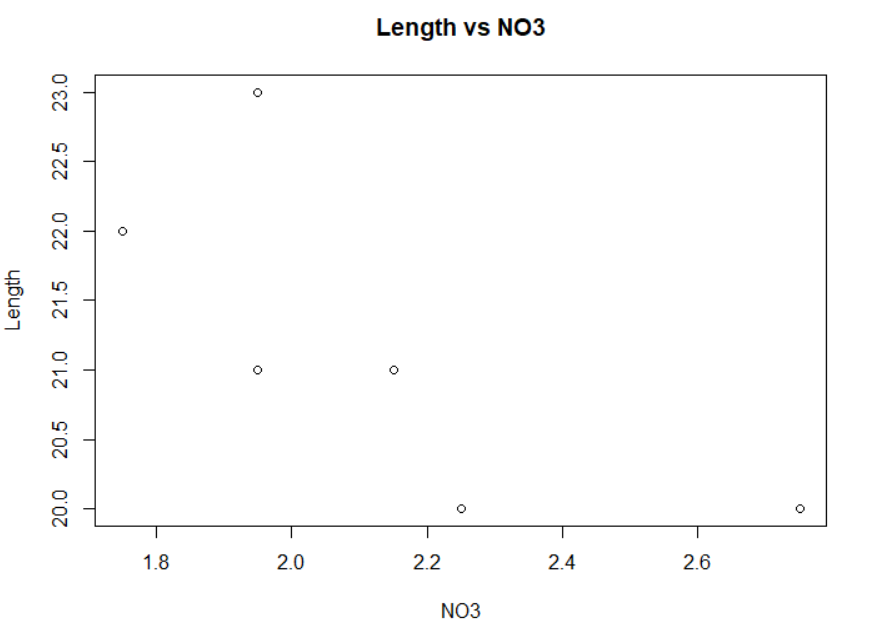


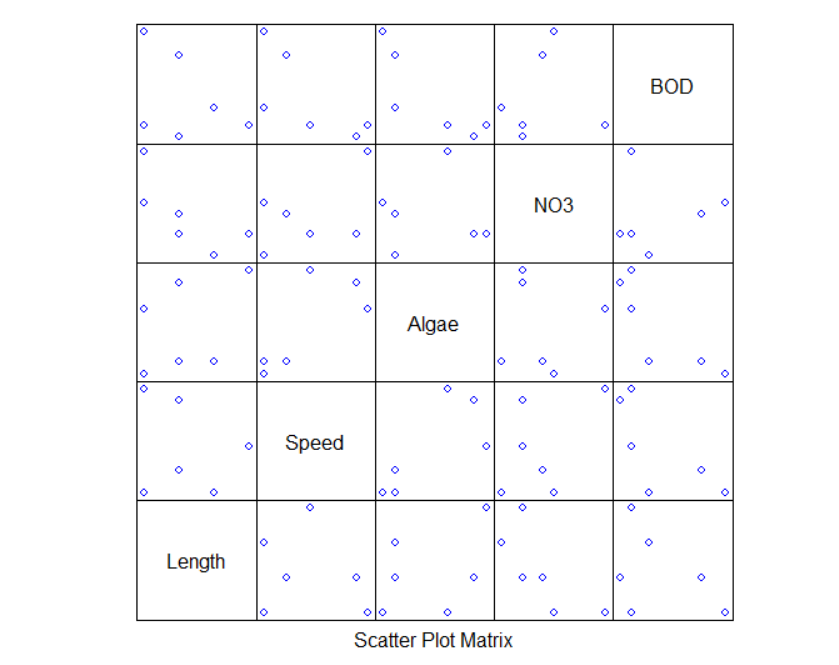
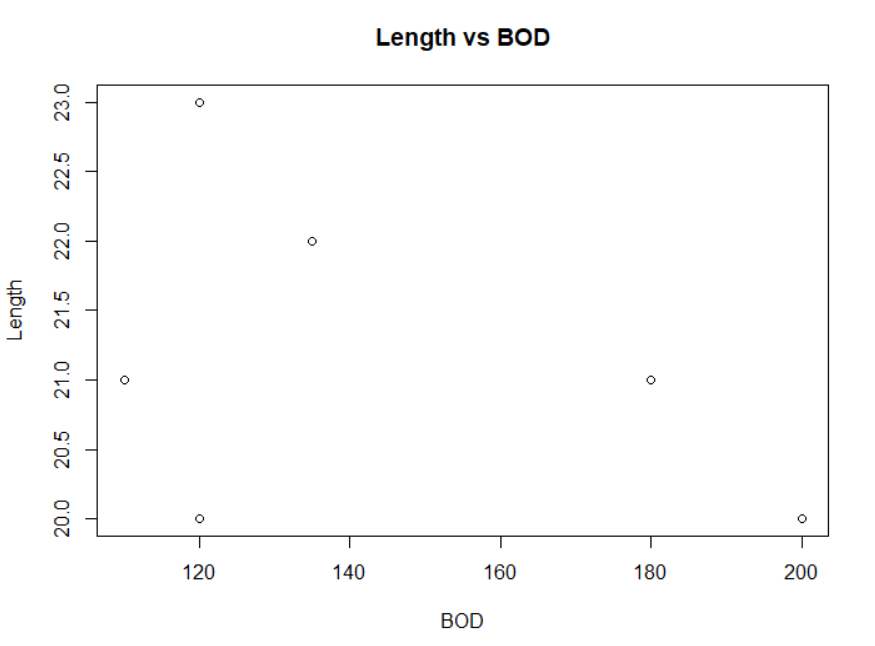
**9).**





**10).**





**11). Logistic Regression Outputs:**