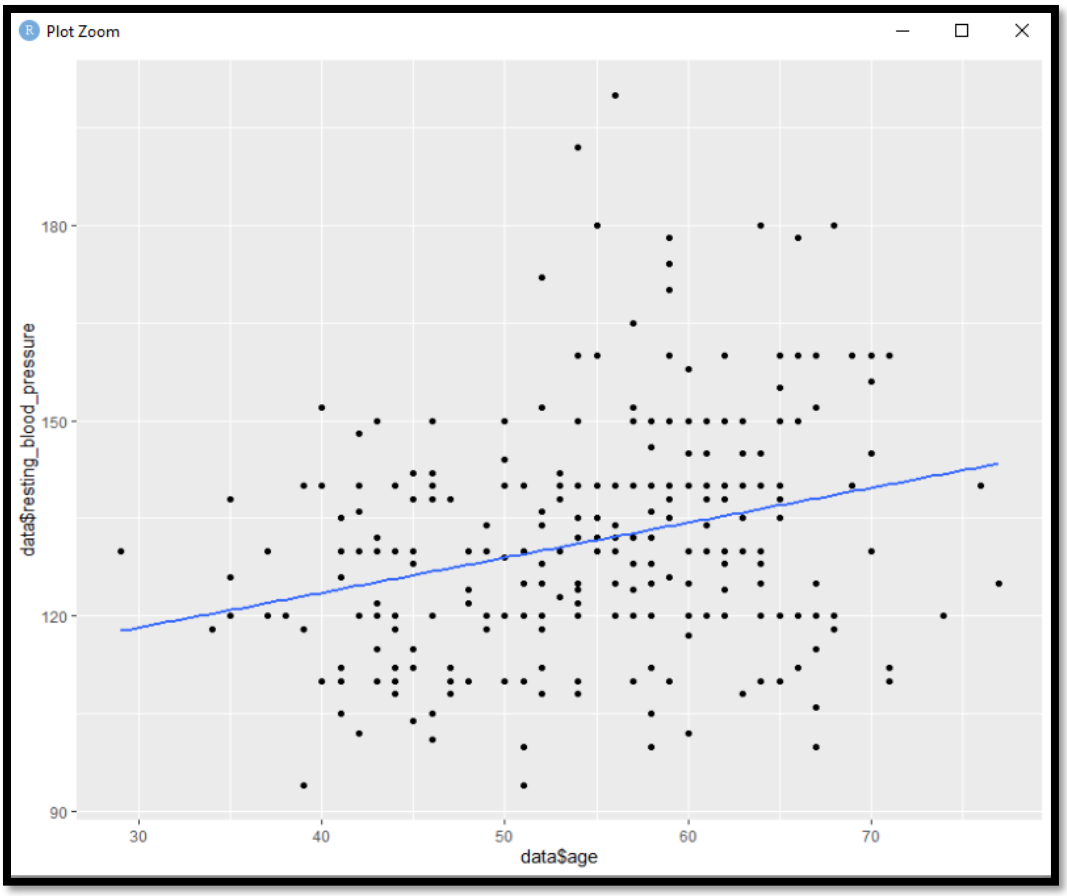
Linear Regression Analysis

- Code


```
> #calculating the coefficeints and the constant
> regmodel1 <- lm(resting_blood_pressure ~ age ,
+                                          data = data)
> coef(regmodel1)
(Intercept)         age
102.1998345   0.5354184
```

* The linear regression model suggests that there is a positive relationship between age and resting blood pressure. For every one-year increase in age, the model predicts an increase of approximately 0.5354 units in resting blood pressure, assuming all other factors remain constant.

- Plot



* The line slopes upwards from left to right, it suggests a positive correlation between age and resting blood pressure, meaning that older individuals tend to have higher resting blood pressure.