

Graphs:

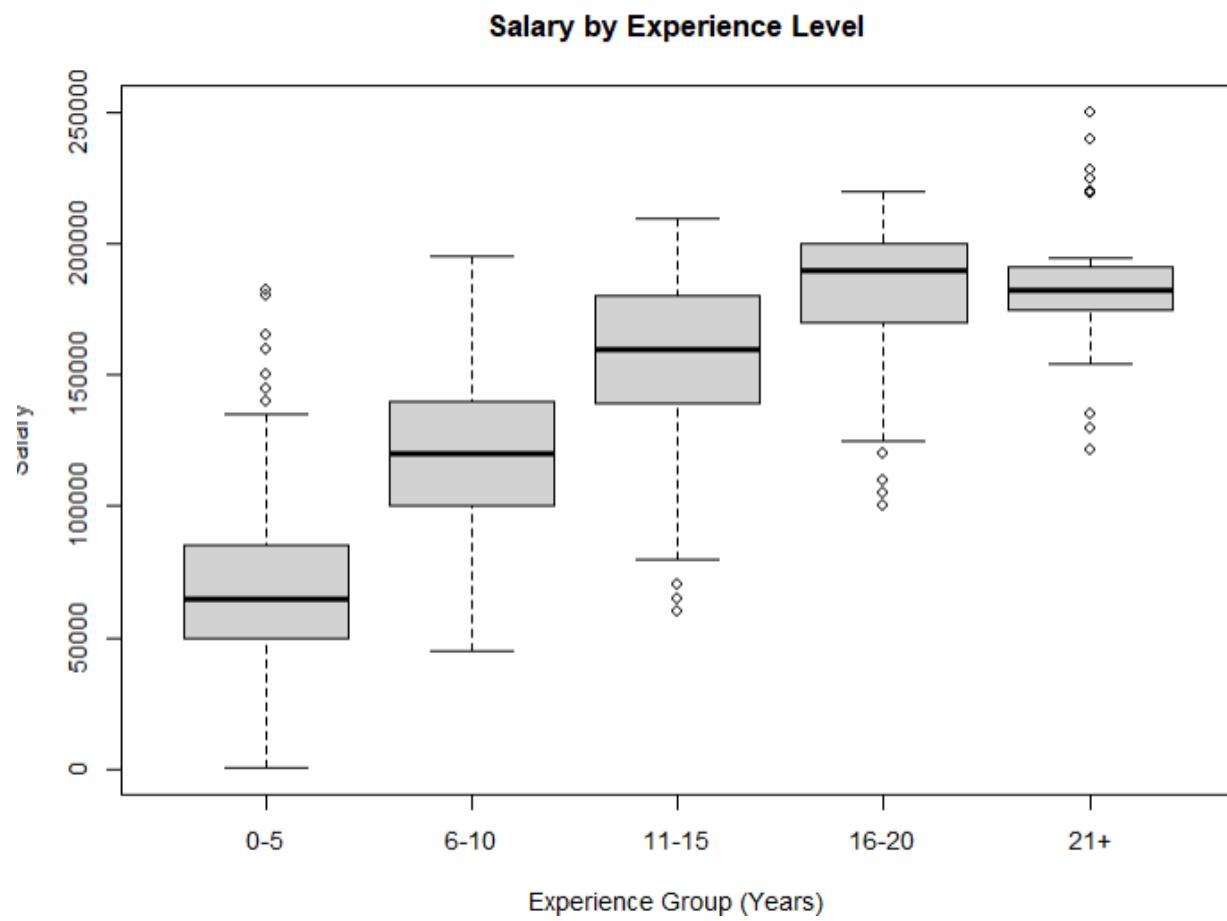
1a



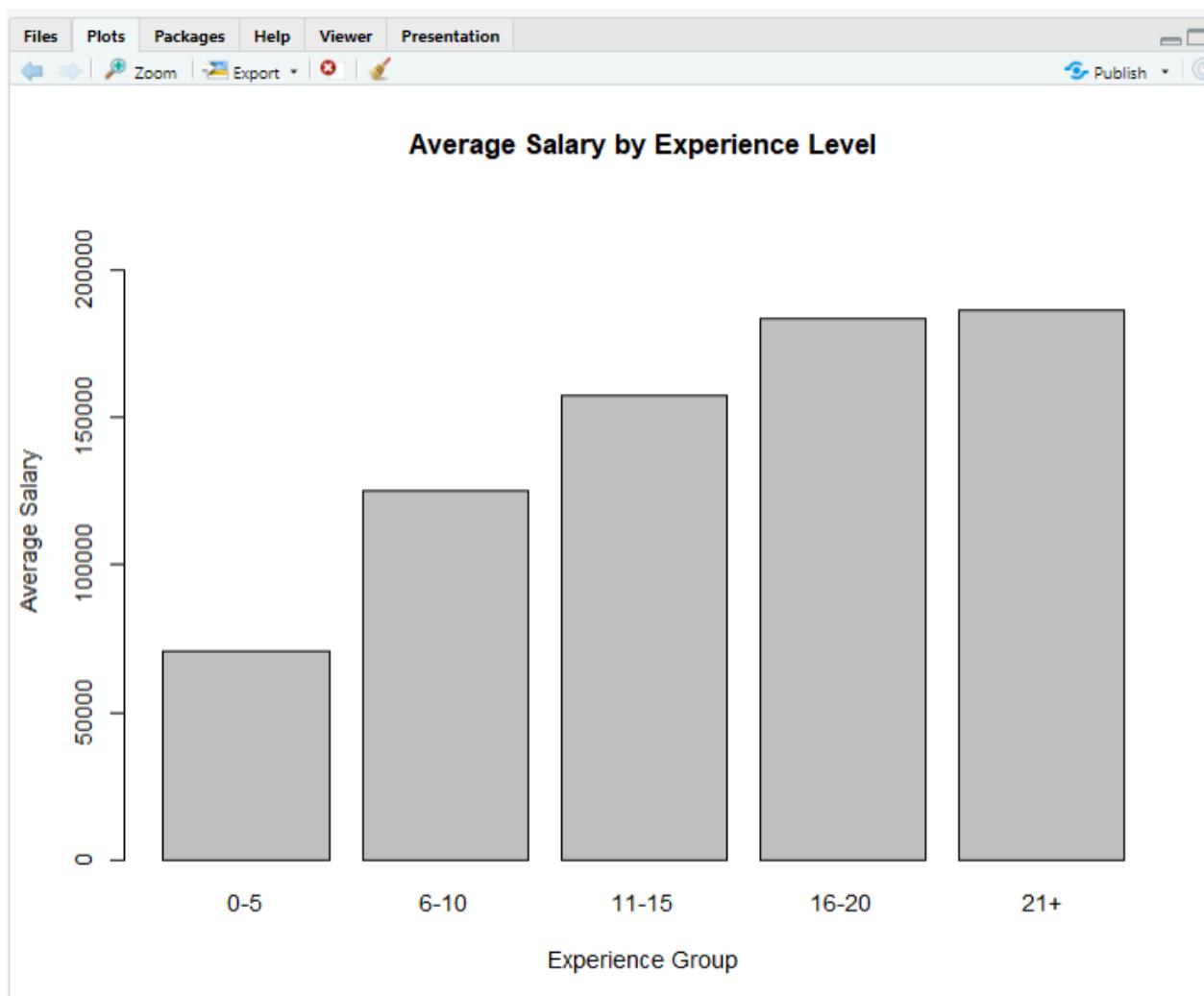
1b



2a

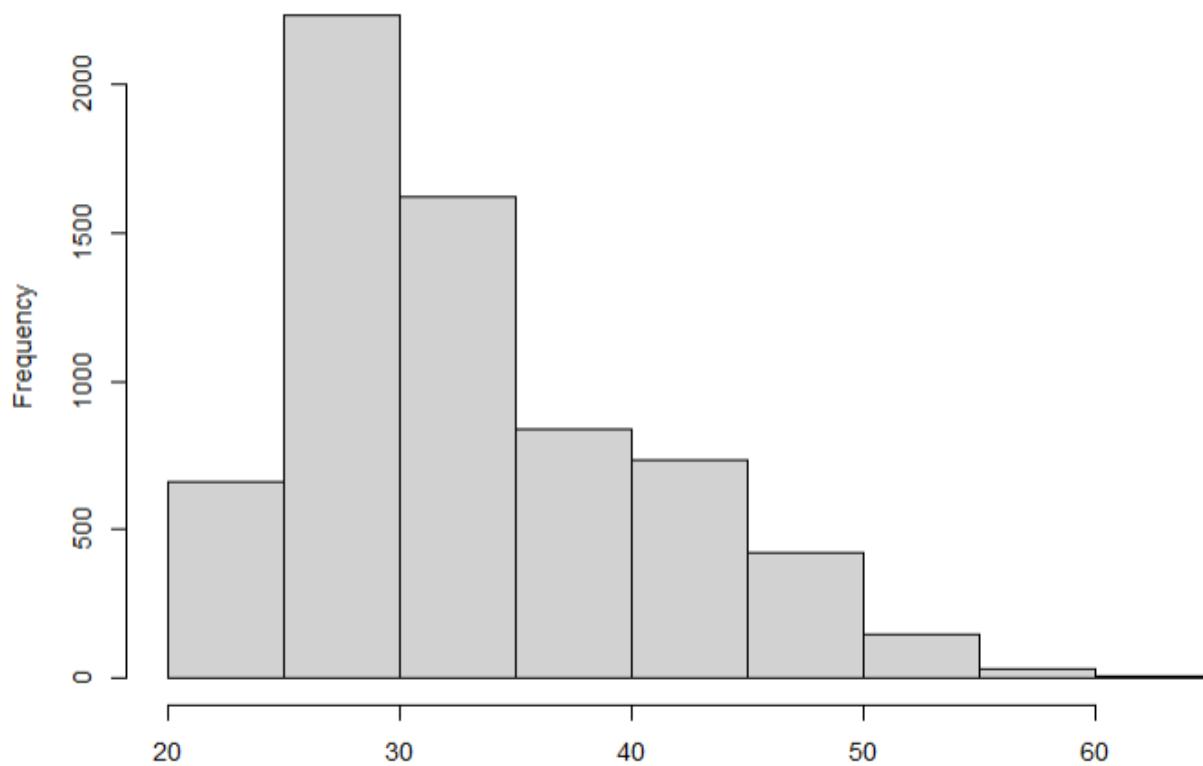


2b

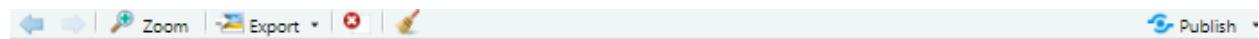


2c

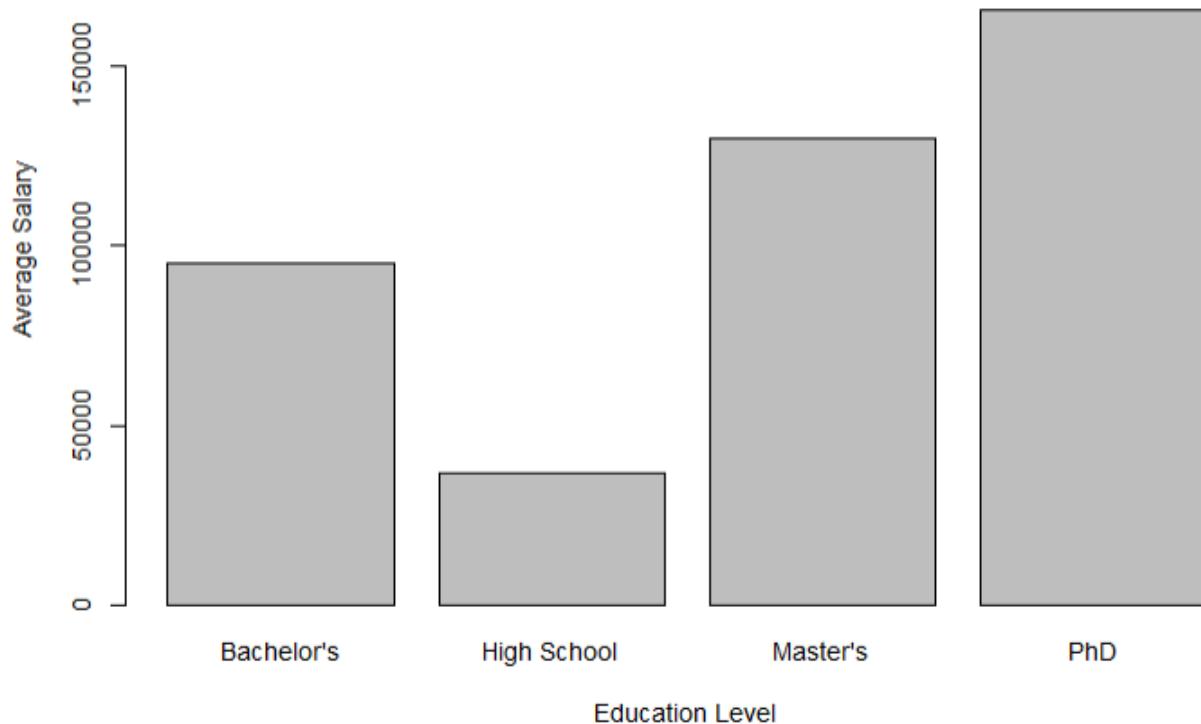
Age Distribution



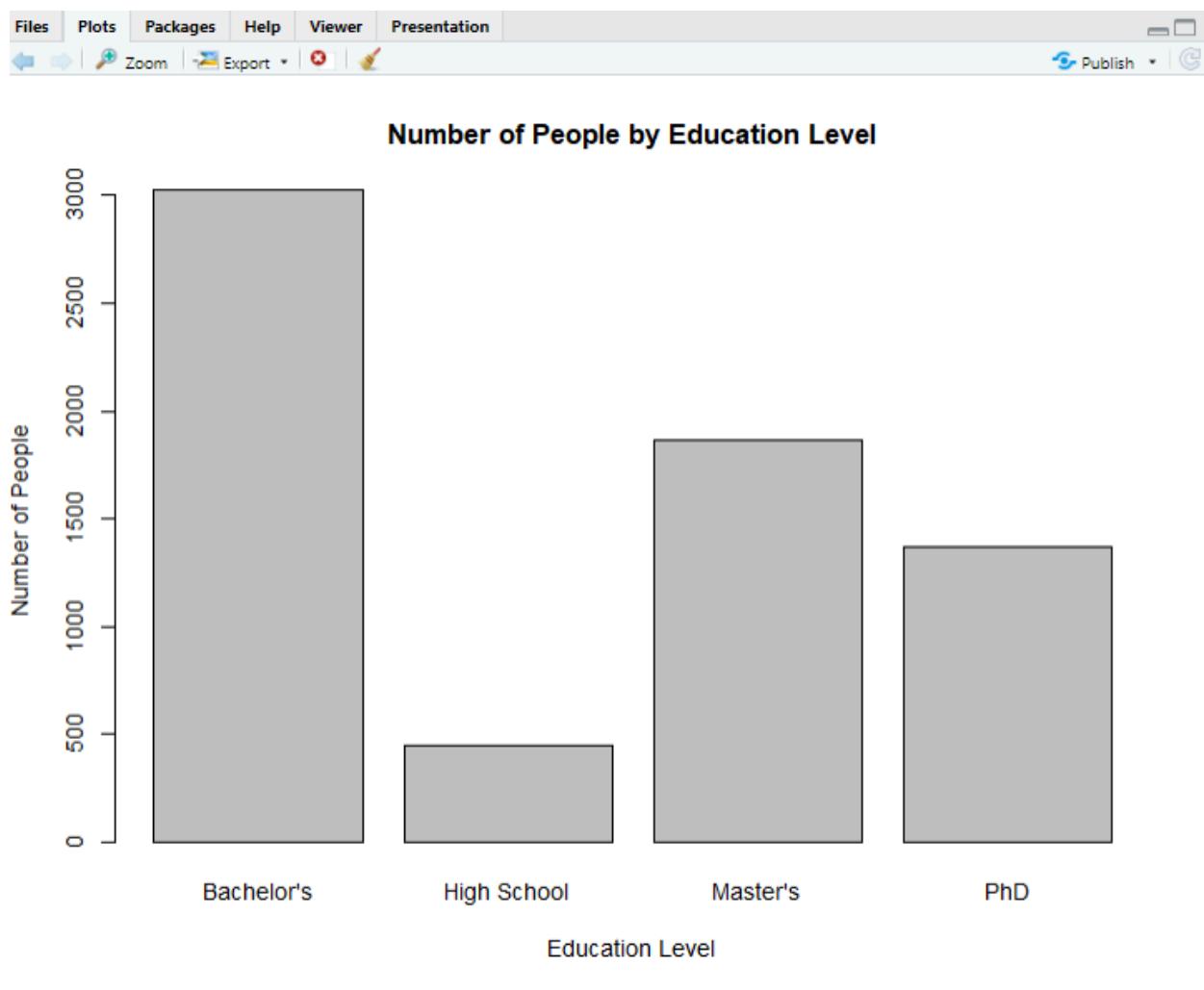
3a



Average Salary by Education Level

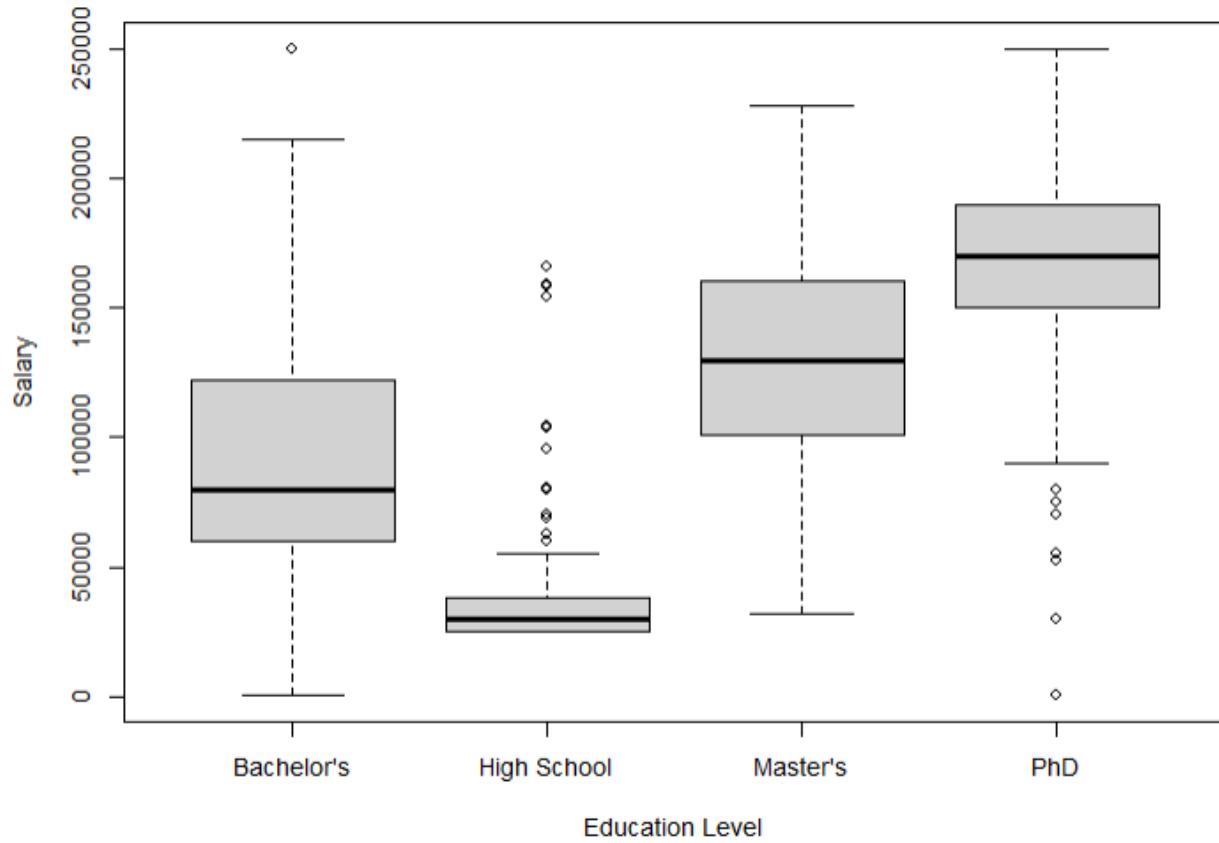


3b



3c

Salary Distribution by Education Level

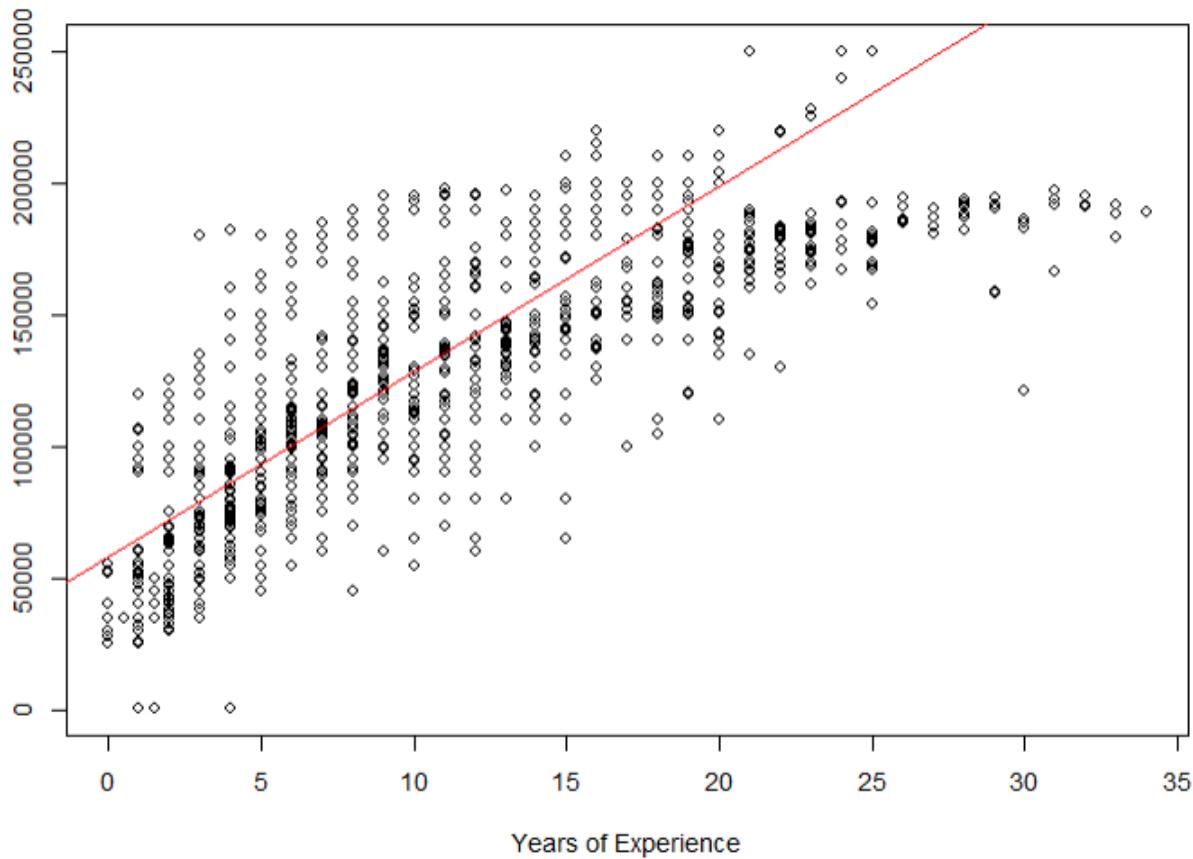


Linear Regression Between YOE and Salary



```
> model_salary  
Call:  
lm(formula = Salary ~ `Years of Experience`, data = dataset)  
Coefficients:  
  (Intercept)  `Years of Experience'  
      58283            7047
```

Salary vs Years of Experience



```
abline(model_salary, col = "red")

summary(model_salary)

Call:
lm(formula = Salary ~ `Years of Experience`, data = dataset)

Residuals:
    Min      1Q  Median      3Q     Max 
-148236 -22377 -5564   21015 100576 

Coefficients:
            Estimate Std. Error t value Pr(>|t|)    
(Intercept) 58283.28    632.71   92.12 <2e-16 ***
`Years of Experience' 7046.77    62.57 112.62 <2e-16 ***
---
Signif. codes:  0 '****' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 31030 on 6697 degrees of freedom
(5 observations deleted due to missingness)
Multiple R-squared:  0.6544,    Adjusted R-squared:  0.6544 
F-statistic: 1.268e+04 on 1 and 6697 DF,  p-value: < 2.2e-16
```