Prepare a prediction model for profit of 50\_startups data.

Do transformations for getting better predictions of profit and

make a table containing R^2 value for each prepared model.

R&D Spend -- Research and devolop spend in the past few years

Administration -- spend on administration in the past few years

Marketing Spend -- spend on Marketing in the past few years

State -- states from which data is collected

Profit -- profit of each state in the past few years

**ANS**:- Table containing R^2 value for each prepared model -

**Prep\_Models** **Rsquare**

**0 model 0.950746**

**1 slr\_admin 0.040287**

**2 slr\_mkts 0.559154**

**3 mlr\_admin&mkts 0.609723**

**4 final\_model 0.961316**

​

From the **final\_model** we get to know that after deleting a row we have been updated **a new high Rsquare value i.e 0.961316**.

Hence Final \_Model is Better Model To predict for best profit of 50\_Startups data.