

```
SELECT count(*) FROM `my-data-403501.DA04_K296.auto_insurance_response`;
```

```
SELECT * FROM `my-data-403501.DA04_K296.auto_insurance_response`  
limit 5;
```

```
--LOGISTIC REGRESSION
```

```
CREATE OR REPLACE MODEL DA04_K296.auto_logistic_reg  
OPTIONS(model_type='logistic_reg',  
        AUTO_CLASS_WEIGHTS = TRUE,  
        INPUT_LABEL_COLS = ['Response']) AS  
SELECT * EXCEPT(Customer, Gender, NumberofOpenComplaints)  
FROM `my-data-403501.DA04_K296.auto_insurance_response`;
```

```
--boosted tree
```

```
CREATE OR REPLACE MODEL `DA04_K296.auto_boostedtree_classifier_model`  
OPTIONS(model_type='BOOSTED_TREE_CLASSIFIER',  
        NUM_PARALLEL_TREE = 2,  
        max_tree_depth = 4,  
        -- BOOSTER_TYPE = 'GBTREE',  
        -- EARLY_STOP = TRUE,  
        INPUT_LABEL_COLS = ['Response']) AS  
SELECT * EXCEPT(Customer, Gender, NumberofOpenComplaints)  
FROM  
    `my-data-403501.DA04_K296.auto_insurance_response`;
```

```
--random forest
```

```
CREATE OR REPLACE MODEL DA04_K296.auto_randomforest_model  
OPTIONS (  
    model_type = 'RANDOM_FOREST_CLASSIFIER',  
    --NUM_PARALLEL_TREE = 2,  
    --max_tree_depth = 4,  
    input_label_cols = ['Response']) AS  
SELECT * EXCEPT(Customer, Gender, NumberofOpenComplaints)  
FROM `my-data-403501.DA04_K296.auto_insurance_response`;
```