**Interpretation of the Coefficients:**

* **(Intercept): 32413.18:** This is the estimated price of a car when all predictor variables are zero (which may not be practically meaningful).
* **luxury\_brandYes: 6639.19:** Luxury brand cars are estimated to have prices $6,639.19 higher than non-luxury brands, holding other factors constant.
* **engine\_size: 4655.87:** For each one-unit increase in engine size, the price is estimated to increase by $4,655.87, holding other factors constant.
* **automatic\_transmissionYes: -6977.36:** Cars with automatic transmissions are estimated to have prices $6,977.36 lower than cars with manual transmissions, holding other factors constant.
* **car\_age: -1955.36:** For each additional year of car age, the price is estimated to decrease by $1,955.36, holding other factors constant.
* **mileage\_status:**
  + **mileage\_statusavg: 2659.14:** Cars with "avg" mileage have prices $2,659.14 higher than the baseline mileage status (which is likely the absence of other mileage statuses, or the default).
  + **mileage\_statushigh: 3403.13:** Cars with "high" mileage have prices $3,403.13 higher than the baseline mileage status.
  + **mileage\_statuslow: 13888.17:** Cars with "low" mileage have prices $13,888.17 higher than the baseline mileage status.
  + **mileage\_statusverylow: 41524.15:** Cars with "verylow" mileage have prices $41,524.15 higher than the baseline mileage status.
* **external\_color:**
  + **external\_colorBlue: -6007.81:** Blue cars are estimated to have prices $6,007.81 lower than the baseline external color.
  + **external\_colorGray: -8137.76:** Gray cars are estimated to have prices $8,137.76 lower than the baseline external color.
  + **external\_colorOther: -17276.21:** Cars with "other" external colors are estimated to have prices $17,276.21 lower than the baseline external color.
  + **external\_colorRed: -5231.14:** Red cars are estimated to have prices $5,231.14 lower than the baseline external color.
  + **external\_colorSilver: -8238.57:** Silver cars are estimated to have prices $8,238.57 lower than the baseline external color.
  + **external\_colorWhite: -8126.42:** White cars are estimated to have prices $8,126.42 lower than the baseline external color.
* **internal\_color:**
  + **internal\_colorBlack: -3190.62:** Black interior cars are estimated to have prices $3,190.62 lower than the baseline interior color.
  + **internal\_colorGray: -893.59:** Gray interior cars are estimated to have prices $893.59 lower than the baseline interior color.
  + **internal\_colorOther\_Colored: 2145.23:** Cars with "other colored" interiors are estimated to have prices $2,145.23 higher than the baseline interior color.