|  |  |  |
| --- | --- | --- |
| **Models without**  **interaction** | Expected Mean structure (Variables) | AIC |
| model1 | Age | 44674.61 |
| model2 | gender | 51366.30 |
| model3 | salt\_sugar | 44642.56 |
| model4 | Age, gender | 44676.29 |
| model5 | Age, salt\_sugar | 40824.62 |
| model6 | Age, salt\_sugar, gender | 40826.52 |
|  |  |  |
| **Models**  **with interaction** |  |  |
| model7 | Age, gender,Gender\*Age | 44677.57 |
| model8 | Age, salt\_sugar,Age\* salt\_sugar | 40826.4 |
| model9 | salt\_sugar, Gender,salt\_sugar\*Gender | 44645.71 |
|  |  |  |
|  |  |  |
| model10 | Age, salt\_sugar,Gender, Gender\*Age | 40826.72 |
| model11 | Age, salt\_sugar,Gender, Age\* salt\_sugar | 40828.29 |
| model12 | Age, salt\_sugar,Gender, salt\_sugar\*Gender | 40828.37 |
|  |  |  |
|  |  |  |
| model13 | Age, salt\_sugar,Gender, Gender\*Age, Age\* salt\_sugar | 40828.48 |
| model14 | Age, salt\_sugar,Gender, Gender\*Age, salt\_sugar\*Gender | 40828.61 |
| Model15 | Age, salt\_sugar,Gender, Gender\*Age, salt\_sugar\*Gender, Age\* salt\_sugar | 40828.61 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Estimate** | **Std error** | **p value** |
| Intercept | 105.900 | 0.205 | <0.0001 |
| Age | 0.655 | 0.009 | <0.0001 |
| salt\_sugar | 0.643 | 0.009 | <0.0001 |