Levene's Test Results:

Statistic: 1.9893651956764993, P-value: 0.13690253117827733

The variances across segments are not significantly different ( $p \ge 0.05$ ), indicating the assumption of homogeneity of variances is met.

Bartlett's Test Results:

Statistic: 3.750855311892396, P-value: 0.15328939770299424

The variances across segments are not significantly different ( $p \ge 0.05$ ), indicating the assumption of homogeneity of variances is met.

## **OLS Regression Results**

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Dep. Variable: log\_sales R-squared: 0.000

Model: OLS Adj. R-squared: -0.000

Method: Least Squares F-statistic: 0.4556

Date: Sat, 26 Oct 2024 Prob (F-statistic): 0.634

Time: 18:50:20 Log-Likelihood: -8566.6

No. Observations: 4502 AIC: 1.714e+04

Df Residuals: 4499 BIC: 1.716e+04

Df Model: 2

Covariance Type: nonrobust

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coef std err t P>|t| [0.025 0.975]

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Intercept 4.1811 0.033 125.868 0.000 4.116 4.246

C(Segment)[T.Corporate] 0.0038 0.055 0.068 0.946 -0.104 0.112

C(Segment)[T.Home Office] -0.0602 0.068 -0.890 0.374 -0.193 0.073

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Omnibus: 151.820 Durbin-Watson: 2.003

Prob(Omnibus): 0.000 Jarque-Bera (JB): 99.003

Skew: 0.239 Prob(JB): 3.18e-22

Kurtosis: 2.453 Cond. No. 3.32

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## Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

**ANOVA Test Results:** 

F-statistic: 0.45559371457787307

P-value: 0.6341006489489389

Fail to reject the null hypothesis: There are no significant differences between the

segments.