

## Chi-squared Test Results Summary

This summary presents the results of Chi-squared tests for association between different variables and "Category".

**Important Note:** Some tests have "Warnings" about expected frequencies less than 5, potentially affecting the reliability of the results.

---

---

### Variable vs. Category:

Variable	Chi-squared Statistic	P- value	Degrees of Freedom	Conclusion	Warning
Segment	1.1483	0.8865	4	No significant association	Yes
State	101.7743	0.3240	96	No significant association	Yes
City	1102.2252	0.1572	1056	No significant association	Yes
Region	4.2905	0.6374	6	No significant association	No
Ship Mode	3.7627	0.7088	6	No significant association	No
Order Month	25.2290	0.2862	22	No significant association	No

---

---

### Overall Findings:

- **No significant association was found between any of the variables and "Category".**

- **Warnings about expected frequencies less than 5 were issued for "Segment", "State" and "City", which might impact the reliability of these tests.**

**Recommendations:**

- Given the warnings, further investigation is recommended to confirm the validity of the findings, especially for Segment, State, and City.
- Considering the limitations of the data and potential reliability issues, further research or analysis might be needed to explore the relationships between the variables and "Category" with more robust methods.