**CSE3506 – ESSENTIALS OF DATA ANALYTICS**

**EXPT NO: 4**

**DATE:** 24/2/2021

**NAME:** R. Harini

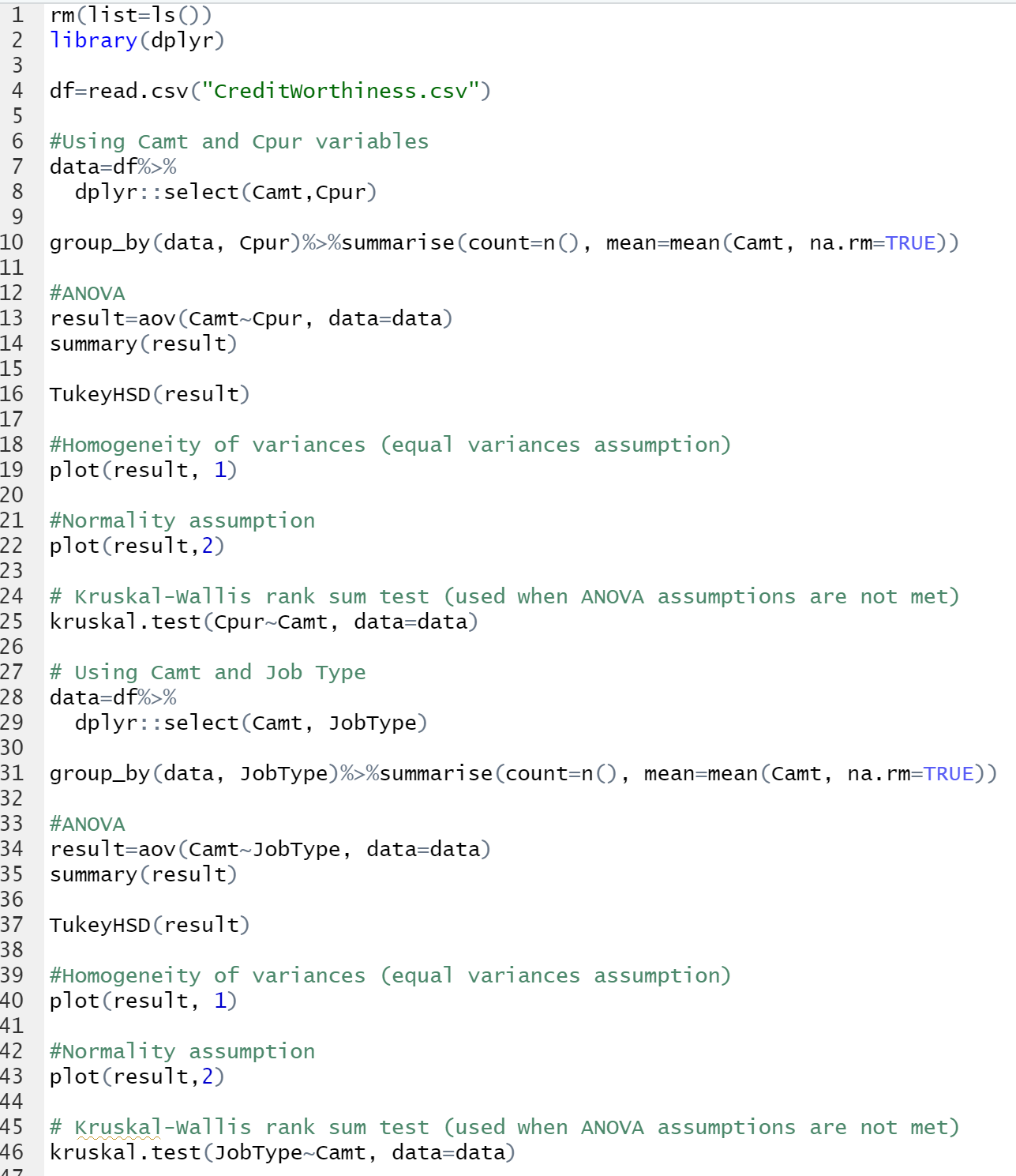
**REG. NO.:** 18BCE1010

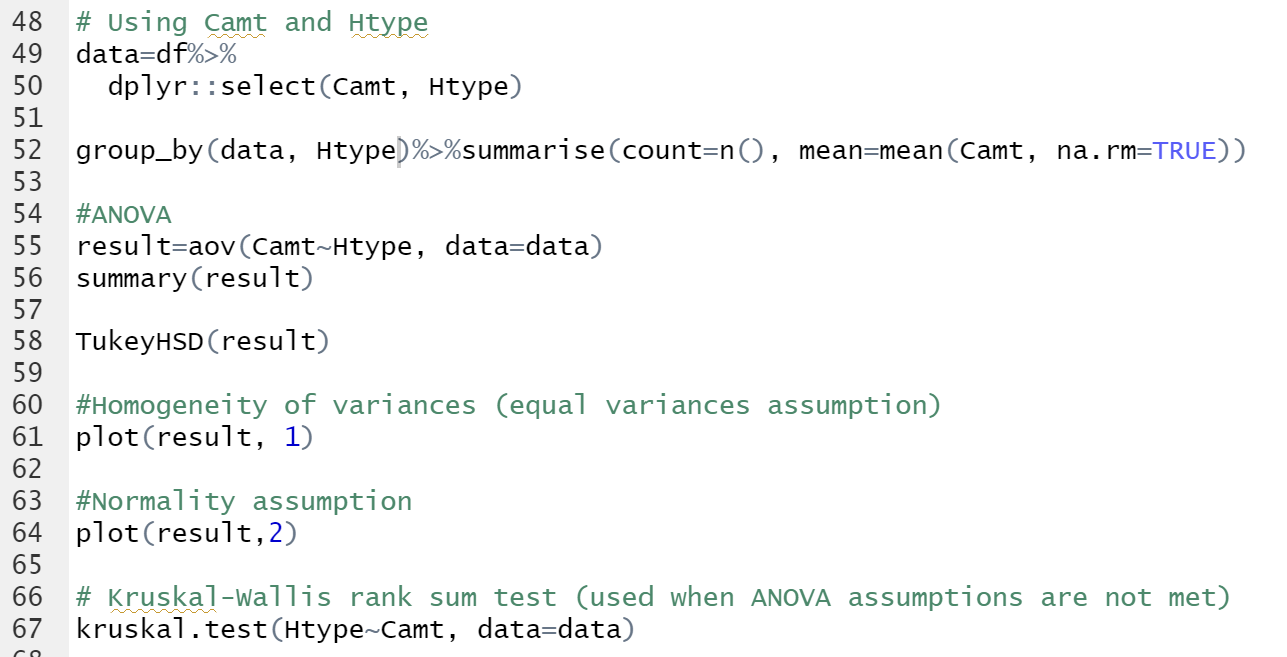
**ANOVA**

**AIM**

To perform ANOVA on CreditWorthiness.csv

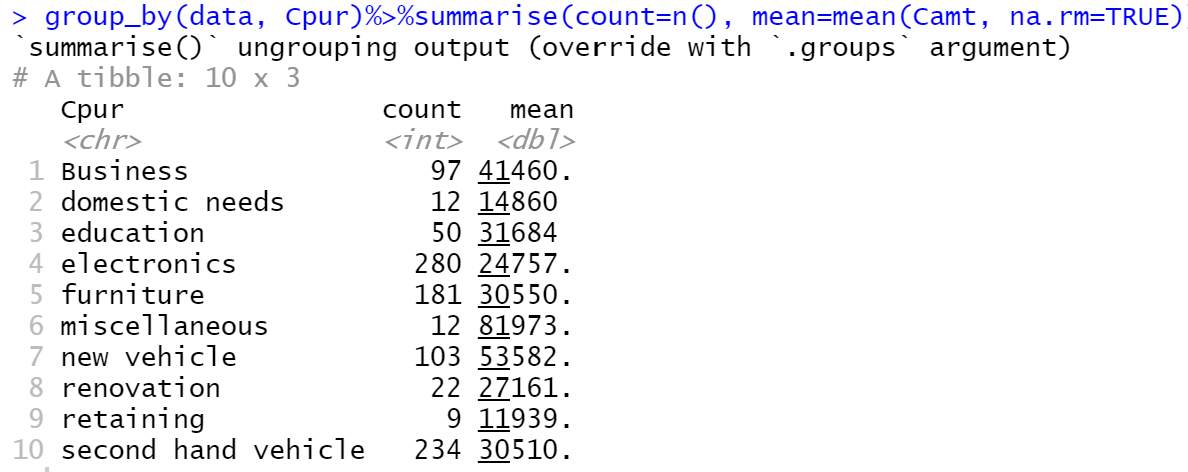
**MATLAB PROGRAM**

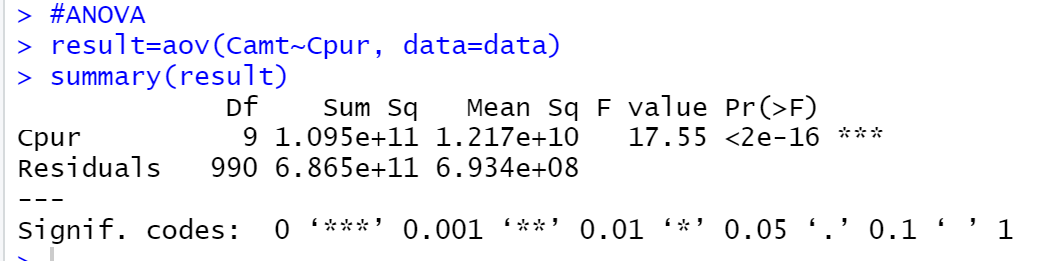
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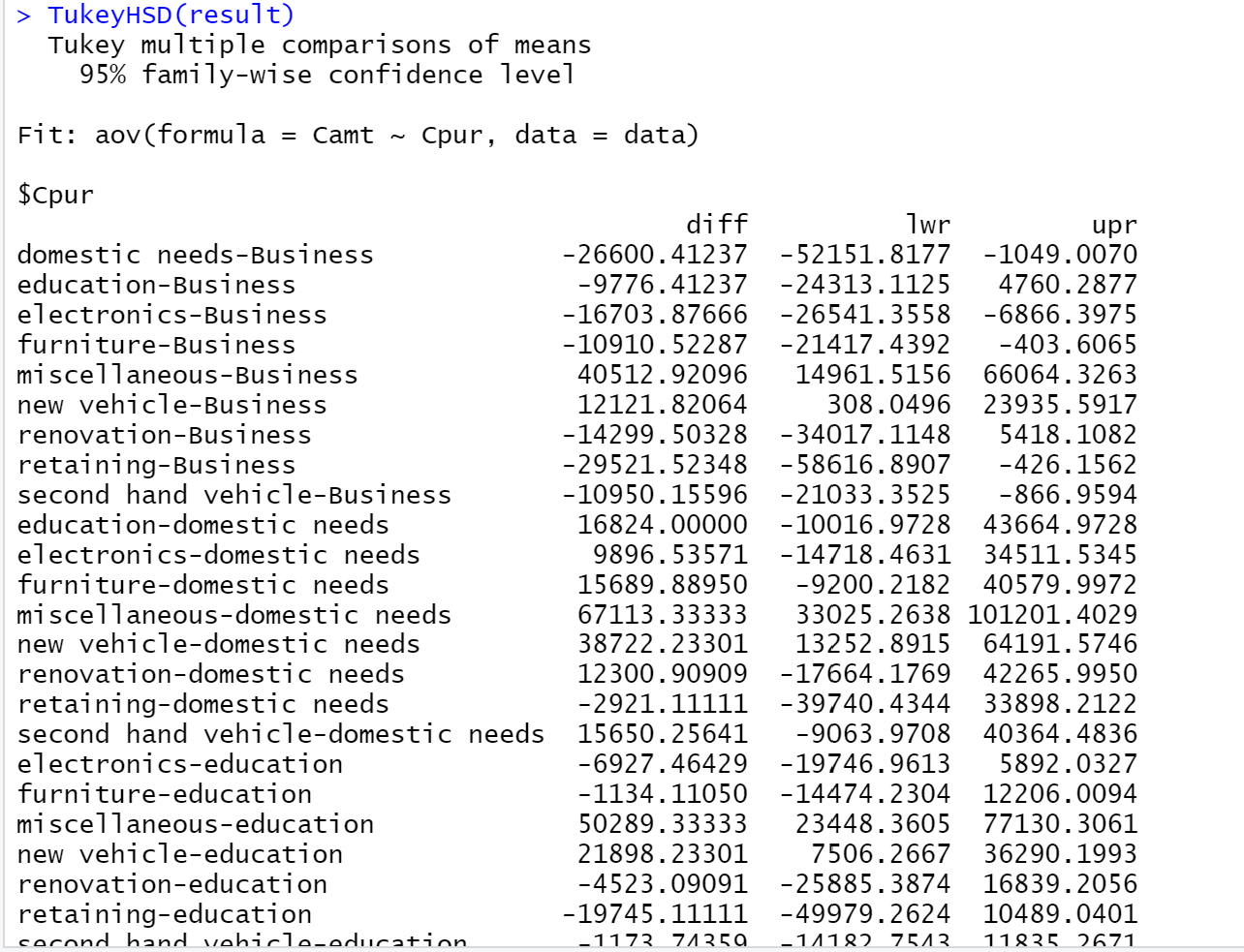
**OUTPUT**

1. **Using Camt and Cpur**

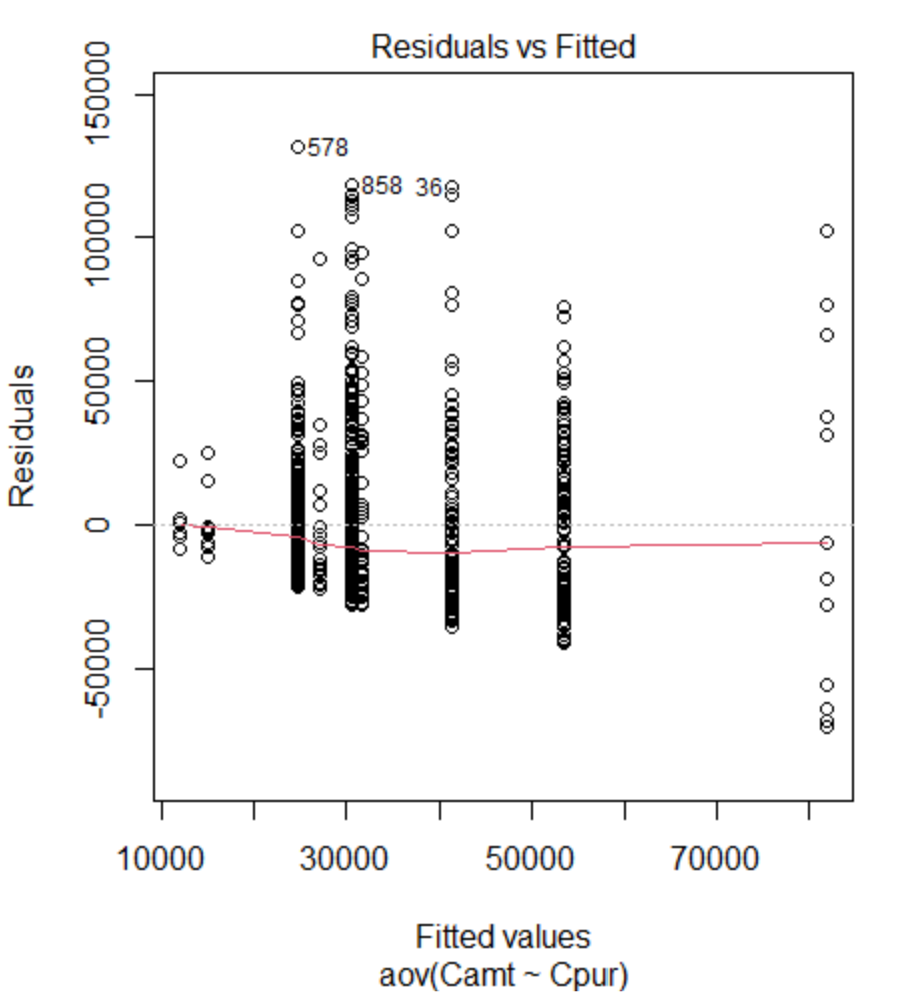




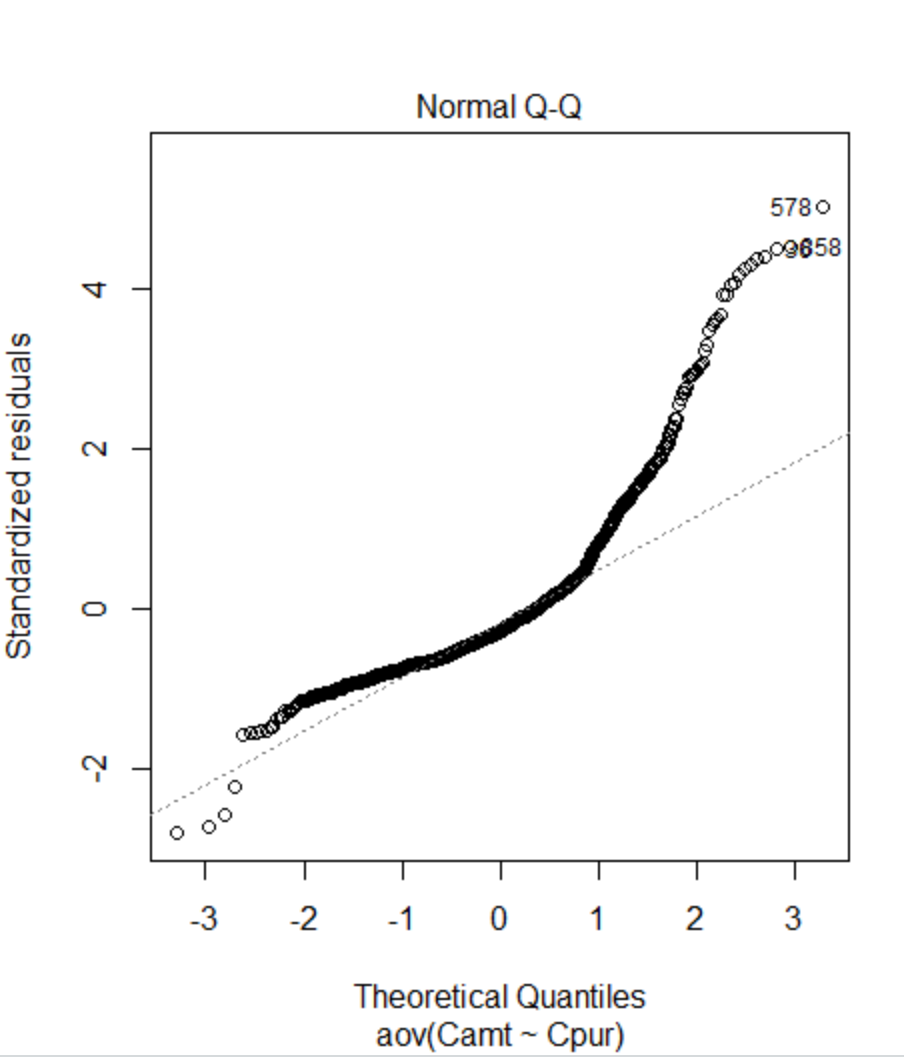
**Due to low F value, the mean of the groups is significantly different.**

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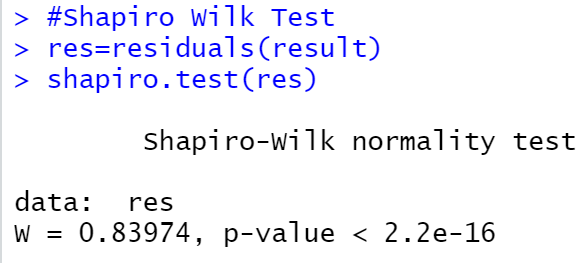
**Homogeneity of Variance**

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**Normality Assumption**

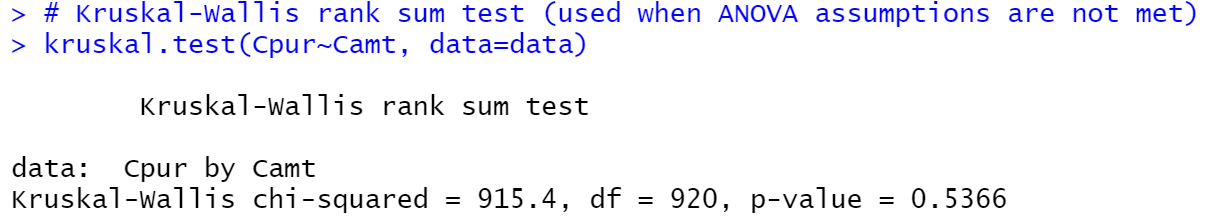
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**Shapiro Wilk Test**

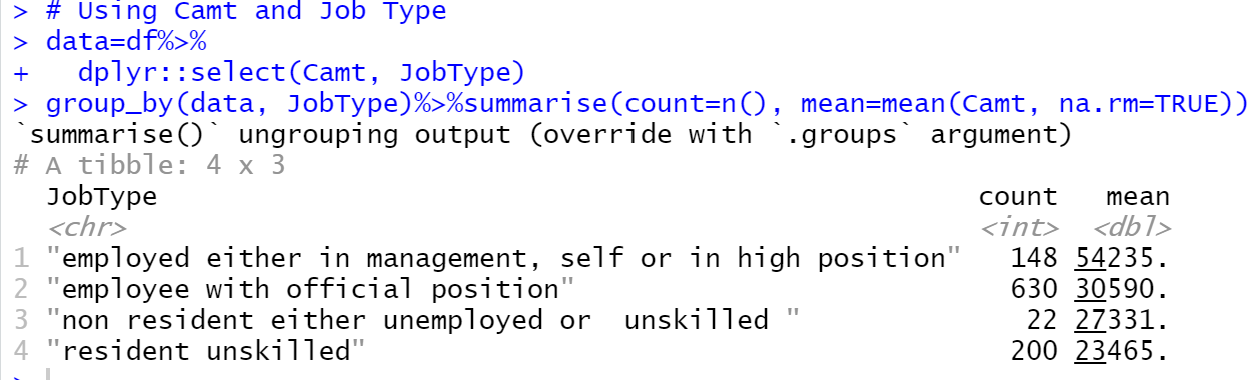
****

As p value is less than 0.05, it implies that there exists a significant difference from normal distribution, we can assume there exists no normality

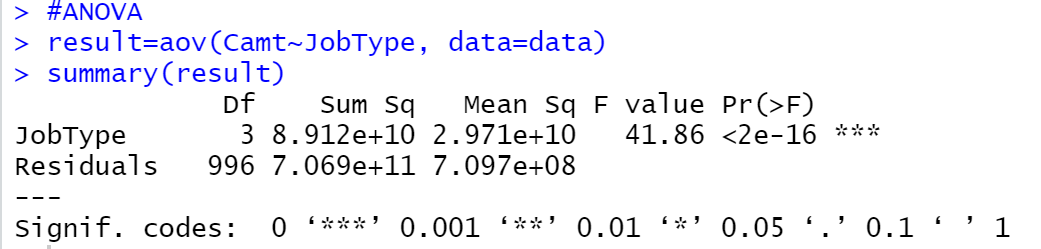
**Kruskal Wallis Test**

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1. **Using Camt and Job Type**

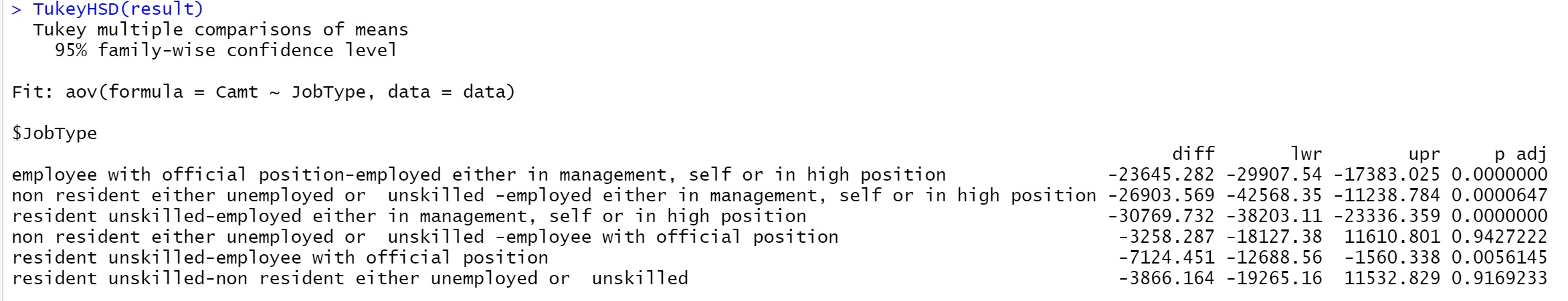
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**ANOVA**

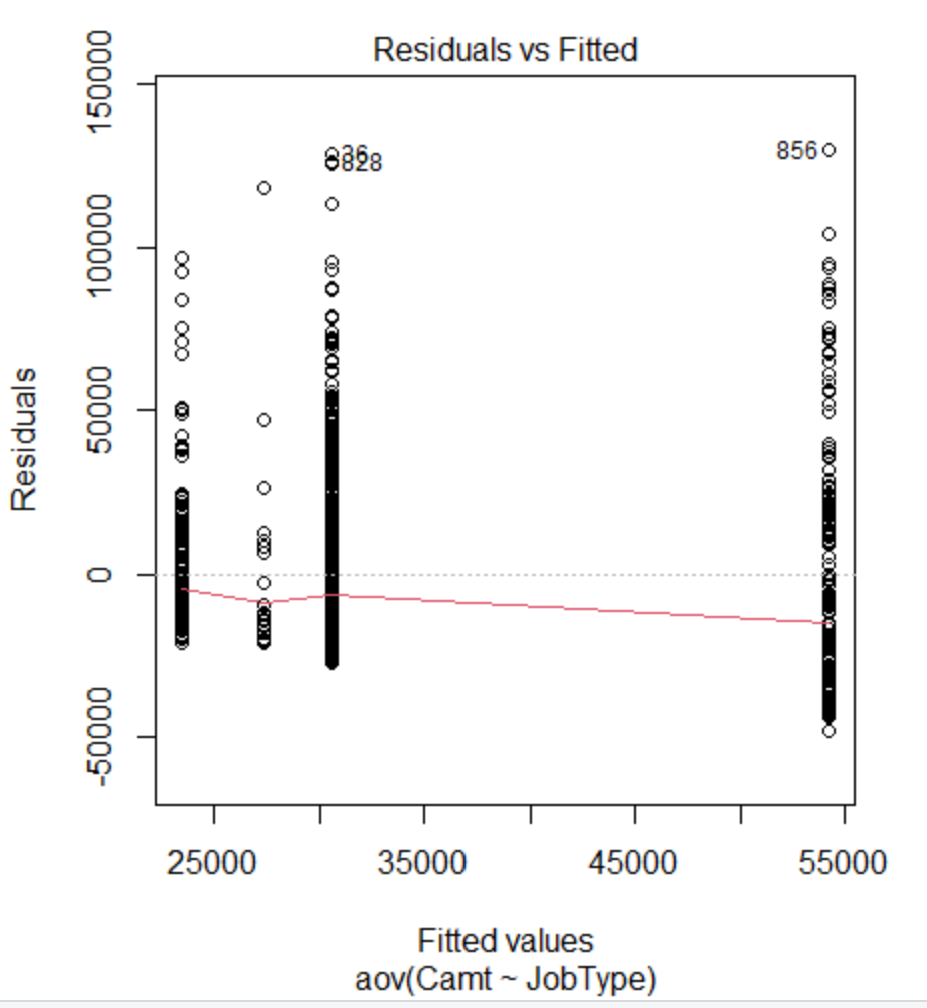
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**Due to low F value, the mean of the groups is significantly different.**

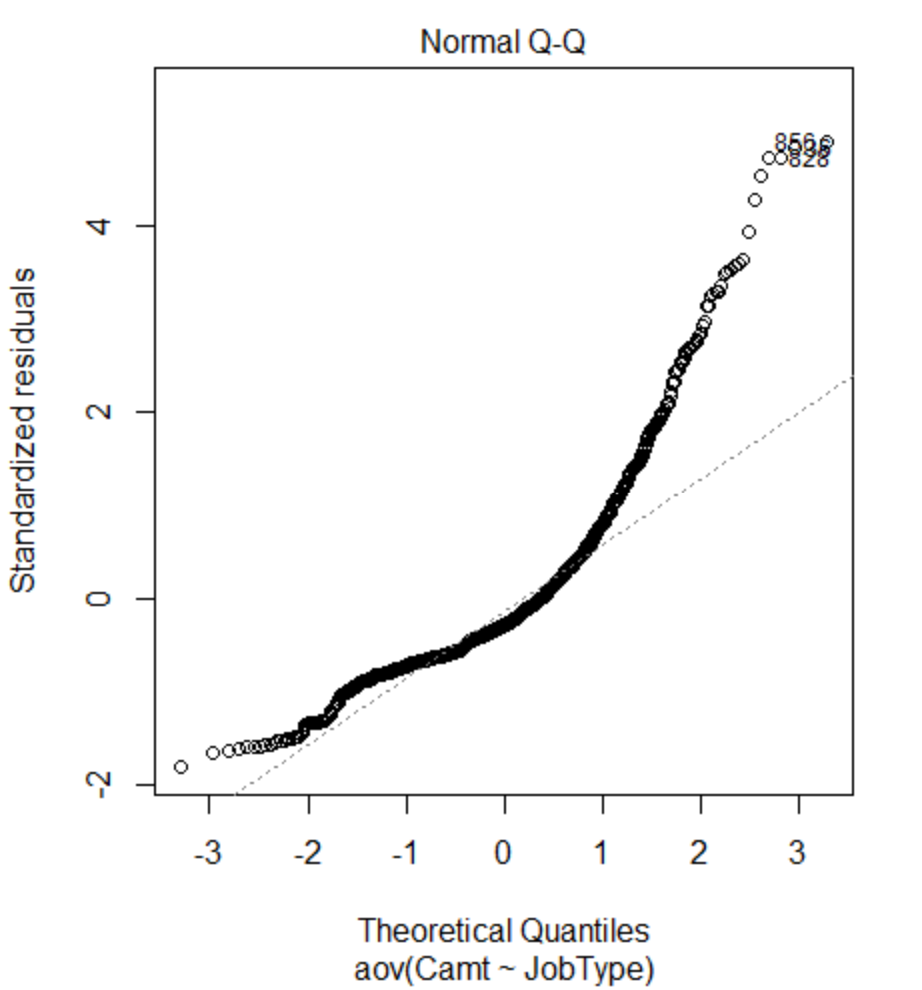
**TukeyHSD**

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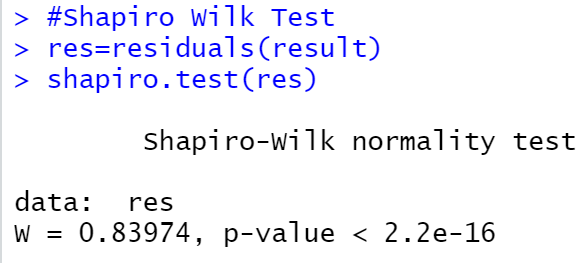
**Homogeneity of the variances**

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**Normality Assumption**

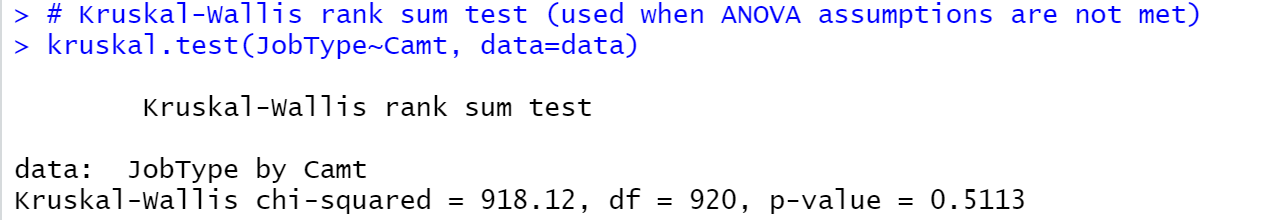
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**Shapiro Wilk Test**

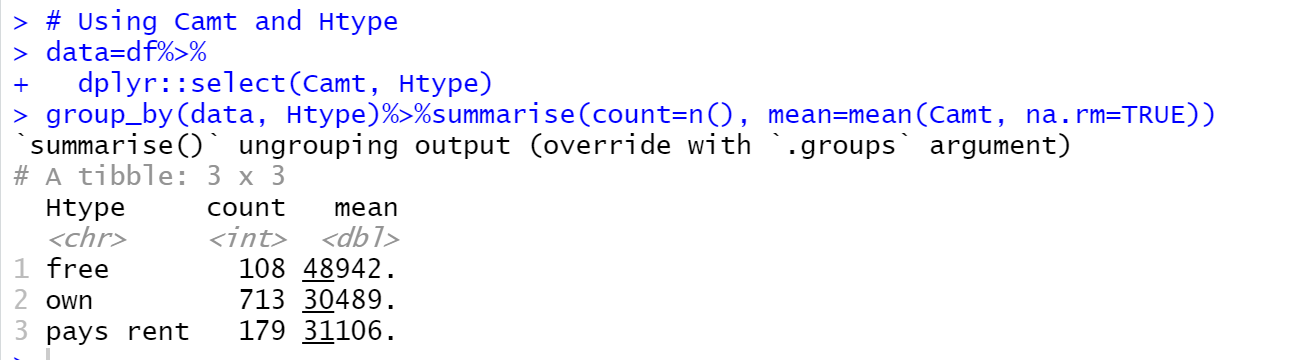
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As p value is less than 0.05, it implies that there exists a significant difference from normal distribution, we can assume there exists no normality

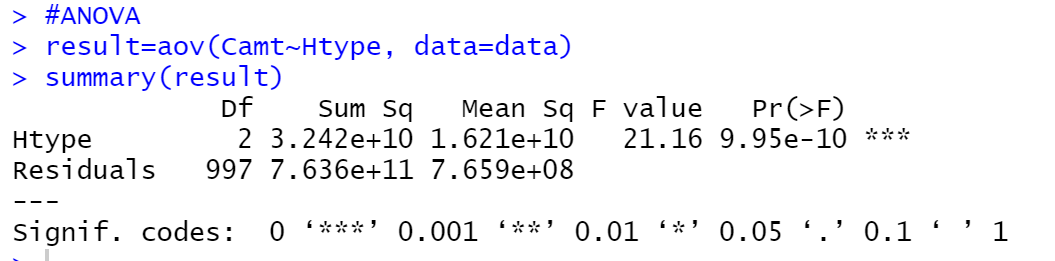
**Kruskal Wallis Test**

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1. **Using Camt and Htype**

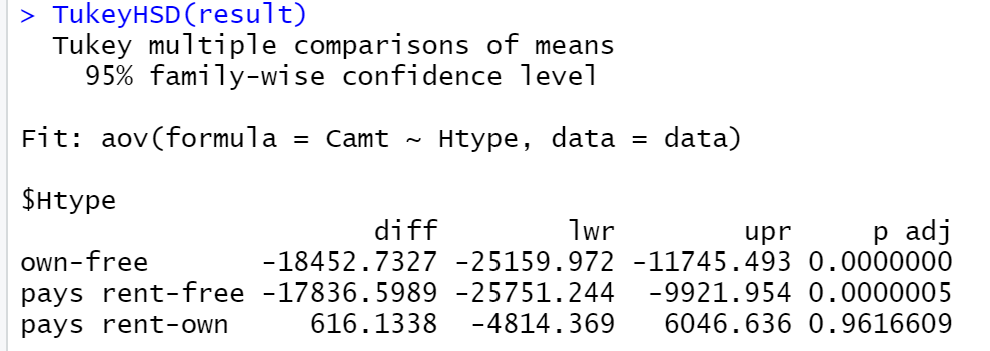
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**ANOVA**

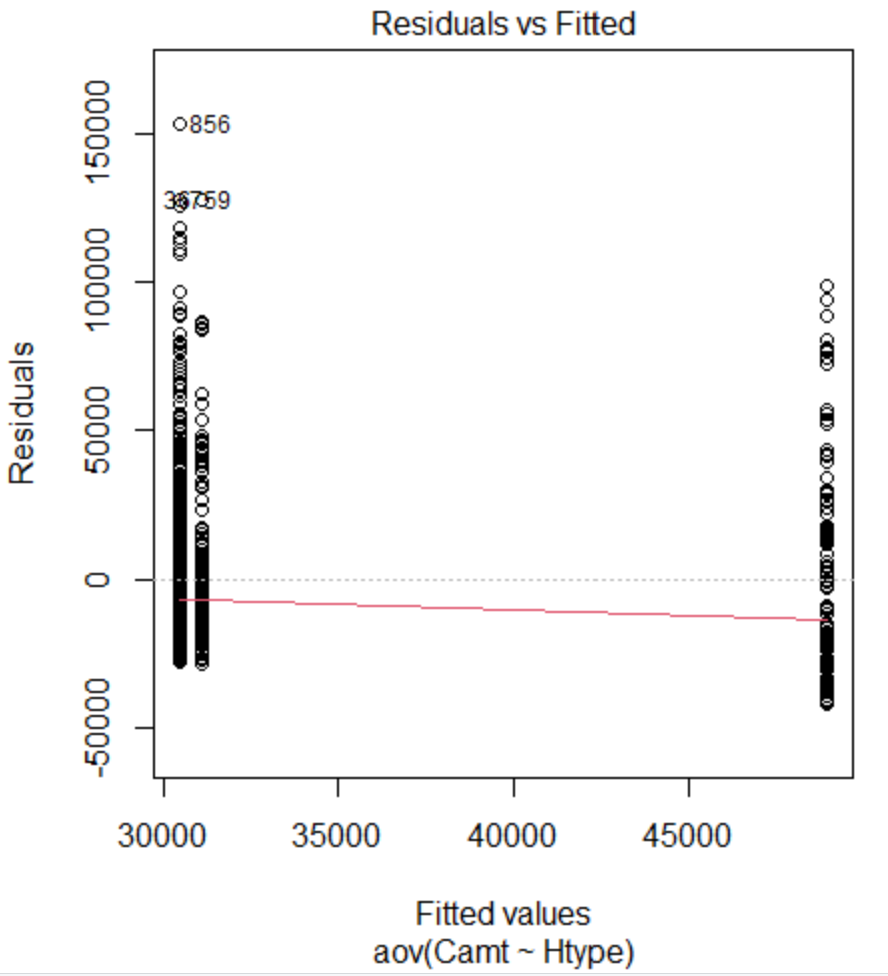
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**Due to low F value, the mean of the groups is significantly different.**

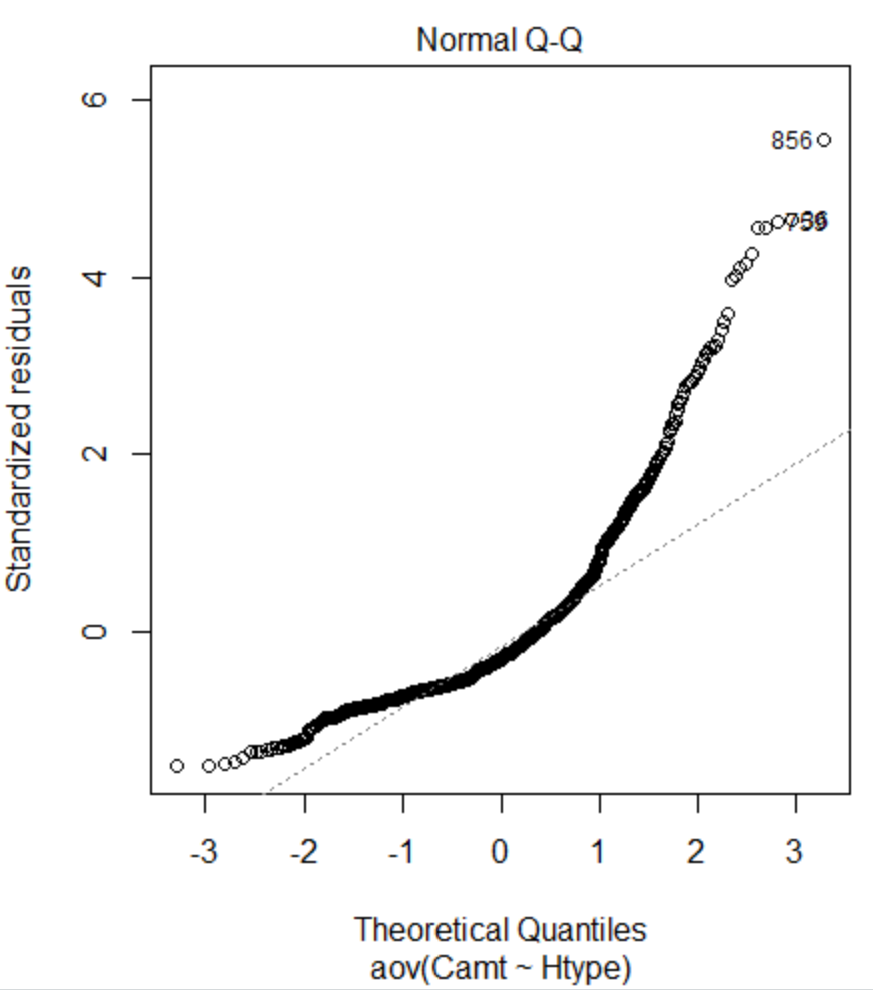
**TukeyHSD Test**

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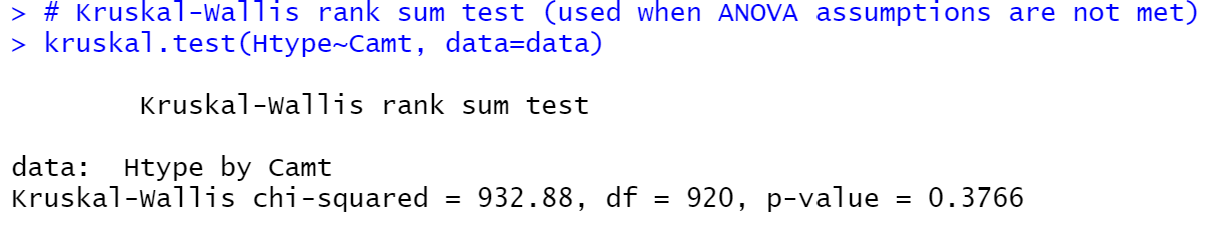
**Homogeneity of the variances**

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**Normality Assumption**

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**Kruskal Wallis Test**

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