Analyis of Variance (ANOVA) with Price per person as dependent variable and classification_nights & classification_neighbourhood as independent variable + their interaction effect. From the output below we can conclude that both the neighbourhood and the number of nights the apartment is rented out have a significant effect on the price. Note that classification_nights is only marginally significant. This implies that there is an effect, however, we must be careful when drawing conclusion based on it. The neighbourhood has a greater effect than the number of nights. The interaction between these two variables is not significant.

```
                                 Df   Sum Sq Mean Sq F value Pr(>F)
classification_nights            3     6757    2252   2.494 0.0581 .
classification_neigbourhood      2   523005  261503 289.525 <2e-16 ***
class_nights:class_neigbourhood 6     5184     864   0.957 0.4531
Residuals                       16415 14826254     903
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
```

Analysis of Variance (ANOVA) with Price per person as dependent variable and and the dummies of those who adhere to the rules (dummy30days) and those who do not (dummy3060days and dummy61days) as independent variables. Here we can see that those who do not stick to the rules, but do not rent out their apartment for more than 60 days, have a significant effect on the price. People who rent out their apartment for more than 60 days or stick to the rules, do not have a significant effect on the price.

```
                  Df   Sum Sq Mean Sq F value Pr(>F)
dummy30days        1      666     666   0.712 0.3988
dummy3060days      1     4953    4953   5.297 0.0214 *
Residuals      16424 15355581     935
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
```

```
                  Df   Sum Sq Mean Sq F value Pr(>F)
dummy3060days      1     5427    5427   5.804  0.016 *
dummy61days        1      191     191   0.205  0.651
Residuals      16424 15355581     935
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1
```