# Urbanization = Distance to City Center

ANOVA with all years of data

Model: Scar\_binary ~ Block + Year + (1 | Population/Family) + City\_dist

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Weevil damage (binary) | Block | 22.849 | **<0.001\*\*\*** |
| Year | 104.038 | **<0.001\*\*\*** |
| Distance to City Center | 0.591 | 0.442 |

ANOVA with one year of data

Model: Scar\_binary ~ Block + (1 | Population/Family) + City\_dist

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Weevil damage (binary) | Block | 28.705 | **<0.001\*\*\*** |
| Distance to City Center | 0.715 | 0.398 |

# Urbanization = Urbanization Score

ANOVA with all years of data

Model: Scar\_binary ~ Block + Year + (1 | Population/Family) + Urb\_score

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Weevil damage (binary) | Block | 22.936 | **<0.001\*\*\*** |
| Year | 104.040 | **<0.001\*\*\*** |
| Urbanization Score | 0.410 | 0.522 |

ANOVA with one year of data

Model: Scar\_binary ~ Block + (1 | Population/Family) + Urb\_score

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Weevil damage (binary) | Block | 28.502 | **<0.001\*\*\*** |
| Urbanization Score | 0.045 | 0.832 |