# Urbanization = Distance to City Center

ANOVA with all years of data

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

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Weevil damage (quantitative) | Block | 20.274 | **<0.001\*\*\*** |
| Year | 58.343 | **<0.001\*\*\*** |
| Distance to City Center | 2.383 | 0.123 |

ANOVA with one year of data

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

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Weevil damage (quantitative) | Block | 14.441 | **0.002\*\*** |
| Distance to City Center | 1.611 | 0.204 |

# Urbanization = Urbanization Score

ANOVA with all years of data

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

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Weevil damage (quantitative) | Block | 20.336 | **<0.001\*\*\*** |
| Year | 58.697 | **<0.001\*\*\*** |
| Urbanization Score | 0.685 | 0.408 |

ANOVA with one year of data

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

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Weevil damage (quantitative) | Block | 14.625 | **0.002\*\*** |
| Urbanization Score | 0.579 | 0.447 |