# Urbanization = Distance to City Center

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Weevil damage (quantitative) | Block | 15.023 | **0.002\*\*** |
| Year | 43.762 | **<0.001\*\*\*** |
| Distance to City Center | 0.157 | 0.692 |
| Subtransect | 4.484 | **0.034\*** |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Weevil damage (quantitative) | Block | 7.008 | 0.072 |
| Distance to City Center | 0.082 | 0.774 |
| Subtransect | 0.829 | 0.363 |

# Urbanization = Urbanization Score

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Weevil damage (quantitative) | Block | 15.145 | **0.002\*\*** |
| Year | 44.335 | **<0.001\*\*\*** |
| Urbanization Score | 0.055 | 0.815 |
| Subtransect | 4.886 | **0.027\*** |
| Urbanization Score x Subtransect | 1.723 | 0.189 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Weevil damage (quantitative) | Block | 7.106 | 0.069 |
| Urbanization Score | 0.016 | 0.898 |
| Subtransect | 0.855 | 0.355 |
| Urbanization Score x Subtransect | 0.981 | 0.322 |