# Urbanization = Distance to City Center

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Weevil damage (binary) | Block | 11.368 | **0.01\*\*** |
| Year | 72.950 | **<0.001\*\*\*** |
| Distance to City Center | 0.988 | 0.32 |
| Subtransect | 0.018 | 0.894 |
| Distance to City Center x Subtransect | 0.494 | 0.482 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Weevil damage (binary) | Block | 15.411 | **0.001\*\*** |
| Distance to City Center | 3.494 | 0.062 |
| Subtransect | 0.158 | 0.691 |
| Distance to City Center x Subtransect | 0.932 | 0.334 |

# Urbanization = Urbanization Score

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Weevil damage (binary) | Block | 11.978 | **0.007\*\*** |
| Year | 72.946 | **<0.001\*\*\*** |
| Urbanization Score | 0.235 | 0.628 |
| Subtransect | 0.012 | 0.911 |
| Urbanization Score x Subtransect | 0.821 | 0.365 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Weevil damage (binary) | (Intercept) | 3.044 | 0.081 |
| Block | 17.439 | **<0.001\*\*\*** |
| Urbanization Score | 2.701 | 0.1 |
| Subtransect | 2.684 | 0.101 |
| Urbanization Score x Subtransect | 4.667 | **0.031\*** |