# Urbanization = Distance to City Center

ANOVA with all years of data

Model: sqrt(mean\_poll) ~ Block + Year + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Pollinaria removed | Block | 9.092 | **0.028\*** |
| Year | 30.681 | **<0.001\*\*\*** |
| Distance to City Center | 0.315 | 0.575 |
| Subtransect | 0.002 | 0.961 |
| Distance to City Center x Subtransect | 0.114 | 0.735 |

ANOVA with one year of data

Model: sqrt(mean\_poll) ~ Block + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Pollinaria removed | Block | 12.651 | **0.005\*\*** |
| Distance to City Center | 0.377 | 0.539 |
| Subtransect | 0.012 | 0.912 |
| Distance to City Center x Subtransect | 0.022 | 0.882 |

# Urbanization = Urbanization Score

ANOVA with all years of data

Model: sqrt(mean\_poll) ~ Block + Year + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Pollinaria removed | Block | 9.567 | **0.023\*** |
| Year | 29.579 | **<0.001\*\*\*** |
| Urbanization Score | 0.022 | 0.881 |
| Subtransect | 0.000 | 0.986 |
| Urbanization Score x Subtransect | 0.663 | 0.416 |

ANOVA with one year of data

Model: sqrt(mean\_poll) ~ Block + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Pollinaria removed | Block | 13.611 | **0.003\*\*** |
| Urbanization Score | 1.367 | 0.242 |
| Subtransect | 0.179 | 0.672 |
| Urbanization Score x Subtransect | 1.154 | 0.283 |