# Urbanization = Distance to City Center

ANOVA with all years of data

Model: Labidomera\_clivicollis ~ Block + (1 | Population/Family) + Year + Sample + City\_dist

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Labidomera clivicollis abundance | Block | 2.673 | 0.445 |
| Year | 15.359 | **<0.001\*\*\*** |
| Sample | 9.320 | **0.002\*\*** |
| Distance to City Center | 0.187 | 0.666 |

ANOVA with one year of data

Model: Labidomera\_clivicollis ~ Block + (1 | Population/Family) + Sample + City\_dist

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Labidomera clivicollis abundance | Block | 4.925 | 0.177 |
| Sample | 0.037 | 0.847 |
| Distance to City Center | 0.050 | 0.824 |

# Urbanization = Urbanization Score

ANOVA with all years of data

Model: Labidomera\_clivicollis ~ Block + (1 | Population/Family) + Year + Sample + Urb\_score

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Labidomera clivicollis abundance | Block | 2.814 | 0.421 |
| Year | 15.499 | **<0.001\*\*\*** |
| Sample | 9.285 | **0.002\*\*** |
| Urbanization Score | 0.688 | 0.407 |

ANOVA with one year of data

Model: Labidomera\_clivicollis ~ Block + (1 | Population/Family) + Sample + Urb\_score

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Labidomera clivicollis abundance | Block | 4.837 | 0.184 |
| Sample | 0.036 | 0.849 |
| Urbanization Score | 0.377 | 0.539 |