# Urbanization = Distance to City Center

ANOVA with all years of data

Model: log(Herbivory\_mean\_early) ~ Block + Year + (1 | Population/Family) + City\_dist \* Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (quantitative) | Block | 3.598 | 0.308 |
| Year | 20.906 | **<0.001\*\*\*** |
| Distance to City Center | 2.843 | 0.092 |
| Subtransect | 0.004 | 0.95 |
| Distance to City Center x Subtransect | 2.120 | 0.145 |

ANOVA with one year of data

Model: log(Herbivory\_mean\_early) ~ Block + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (quantitative) | Block | 0.162 | 0.983 |
| Distance to City Center | 0.054 | 0.816 |
| Subtransect | 0.122 | 0.727 |
| Distance to City Center x Subtransect | 0.959 | 0.327 |

# Urbanization = Urbanization Score

ANOVA with all years of data

Model: log(Herbivory\_mean\_early) ~ Block + Year + (1 | Population/Family) + Urb\_score + Transect\_ID + Transect\_ID:Urb\_score

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (quantitative) | (Intercept) | 380.339 | **<0.001\*\*\*** |
| Block | 3.853 | 0.278 |
| Year | 21.547 | **<0.001\*\*\*** |
| Urbanization Score | 4.162 | **0.041\*** |
| Subtransect | 3.138 | 0.077 |
| Urbanization Score x Subtransect | 3.496 | 0.062 |

ANOVA with one year of data

Model: log(Herbivory\_mean\_early) ~ Block + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (quantitative) | Block | 0.136 | 0.987 |
| Urbanization Score | 0.300 | 0.584 |
| Subtransect | 0.024 | 0.878 |
| Urbanization Score x Subtransect | 1.770 | 0.183 |