# Urbanization = Distance to City Center

ANOVA with all years of data

Model: Herbivory\_mean\_early\_binary ~ Block + Year + (1 | Population/Family) + City\_dist

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (binary) | Block | 5.358 | 0.147 |
| Year | 123.004 | **<0.001\*\*\*** |
| Distance to City Center | 3.970 | **0.046\*** |

ANOVA with one year of data

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

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (binary) | Block | 8.492 | **0.037\*** |
| Distance to City Center | 2.964 | 0.085 |

# Urbanization = Urbanization Score

ANOVA with all years of data

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

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (binary) | Block | 5.283 | 0.152 |
| Year | 122.977 | **<0.001\*\*\*** |
| Urbanization Score | 1.172 | 0.279 |

ANOVA with one year of data

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

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (binary) | Block | 8.403 | **0.038\*** |
| Urbanization Score | 0.438 | 0.508 |