# Urbanization = Distance to City Center

ANOVA with all years of data

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

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Herbivory after flowering (binary) | Block | 18.955 | **<0.001\*\*\*** |
| Year | 16.730 | **<0.001\*\*\*** |
| Distance to City Center | 0.446 | 0.504 |

ANOVA with one year of data

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

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Herbivory after flowering (binary) | Block | 9.764 | **0.021\*** |
| Distance to City Center | 0.851 | 0.356 |

# Urbanization = Urbanization Score

ANOVA with all years of data

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

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Herbivory after flowering (binary) | Block | 18.935 | **<0.001\*\*\*** |
| Year | 16.708 | **<0.001\*\*\*** |
| Urbanization Score | 0.074 | 0.785 |

ANOVA with one year of data

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

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Herbivory after flowering (binary) | Block | 9.738 | **0.021\*** |
| Urbanization Score | 0.614 | 0.433 |