# Urbanization = Distance to City Center

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (binary) | (Intercept) | 37.639 | **<0.001\*\*\*** |
| Block | 3.418 | 0.331 |
| Year | 70.900 | **<0.001\*\*\*** |
| Distance to City Center | 3.409 | 0.065 |
| Subtransect | 3.439 | 0.064 |
| Distance to City Center x Subtransect | 3.326 | 0.068 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (binary) | Block | 5.592 | 0.133 |
| Distance to City Center | 1.013 | 0.314 |
| Subtransect | 0.456 | 0.5 |
| Distance to City Center x Subtransect | 1.369 | 0.242 |

# Urbanization = Urbanization Score

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (binary) | Block | 3.048 | 0.384 |
| Year | 70.856 | **<0.001\*\*\*** |
| Urbanization Score | 0.007 | 0.933 |
| Subtransect | 0.212 | 0.645 |
| Urbanization Score x Subtransect | 0.064 | 0.8 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering (binary) | Block | 5.882 | 0.117 |
| Urbanization Score | 2.275 | 0.131 |
| Subtransect | 0.860 | 0.354 |
| Urbanization Score x Subtransect | 0.373 | 0.541 |