Table 1: Assess how much variance is explained by transect

Urbanization = Distance to the City Center

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

| Variable | Group | χ2 | Variance | PVE | p |
| --- | --- | --- | --- | --- | --- |
| Herbivory after flowering, quantitative: 2020 | Family:Population | 0 | 0.000 | 0 | 0.5 |
| Population | 0 | 0.000 | 0 | 0.5 |
| Residual |  | 1.627 | 100 |  |

Table 2: Quantify variance explained by transect

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Herbivory after flowering, quantitative: 2020 | Block | 2.357 | 0.502 |
| Subtransect | 1.460 | 0.227 |
| Distance to City Center | 0.802 | 0.371 |
| Subtransect x Distance to City Center | 0.872 | 0.35 |

Table 3: Assess how much variance is explained by transect

Urbanization = Urbanization Score

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

| Variable | Group | χ2 | Variance | PVE | p |
| --- | --- | --- | --- | --- | --- |
| Herbivory after flowering, quantitative: 2020 | Family:Population | 0 | 0.000 | 0 | 0.5 |
| Population | 0 | 0.000 | 0 | 0.5 |
| Residual |  | 1.628 | 100 |  |

Table 4: Quantify variance explained by transect

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Herbivory after flowering, quantitative: 2020 | Block | 2.750 | 0.432 |
| Subtransect | 2.130 | 0.144 |
| Urbanization Score | 0.765 | 0.382 |
| Subtransect x Urbanization Score | 0.337 | 0.562 |