Table 1: Test for variance among families and populations

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

| Variable | Group | Ï‡2 | Variance | PVE | p |
| --- | --- | --- | --- | --- | --- |
| Herbivory before flowering, quantitative: 2021 | Family:Population | 0 | 0.000 | 0 | 0.5 |
| Population | 0 | 0.000 | 0 | 0.5 |
| Residual |  | 1.814 | 100 |  |

Table 2: Assess how much variance is explained by urbanization

Urbanization = Distance to the City Center

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

| Variable | Group | Ï‡2 | Variance | PVE | p |
| --- | --- | --- | --- | --- | --- |
| Herbivory before flowering, quantitative: 2021 | Family:Population | 0 | 0.000 | 0 | 0.5 |
| Population | 0 | 0.000 | 0 | 0.5 |
| Residual |  | 1.803 | 100 |  |

Table 3: Quantify variance explained by urbanization

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering, quantitative: 2021 | Block | 0.957 | 0.812 |
| Distance to City Center | 3.605 | 0.058 |

Table 4: Assess how much variance is explained by urbanization

Urbanization = Urbanization Score

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

| Variable | Group | Ï‡2 | Variance | PVE | p |
| --- | --- | --- | --- | --- | --- |
| Herbivory before flowering, quantitative: 2021 | Family:Population | 0 | 0.000 | 0 | 0.5 |
| Population | 0 | 0.000 | 0 | 0.5 |
| Residual |  | 1.792 | 100 |  |

Table 5: Quantify variance explained by urbanization

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Herbivory before flowering, quantitative: 2021 | Block | 0.769 | 0.857 |
| Urbanization Score | 6.221 | **0.013\*** |