Table 1: Assess how much variance is explained by transect

Urbanization = Distance to the City Center

Model: Julian\_oldest\_inflor ~ Block + (1 | Population) + (1 | Population:Fam\_uniq) + Transect\_ID + City\_dist + Transect\_ID:City\_dist

| Variable | Group | Variance | PVE | p |
| --- | --- | --- | --- | --- |
| Flowering start: 2020 | Family | NA | NA | 0.5 |
| Population | NA | NA | 0.5 |

Table 2: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering start: 2020 | Block | 0.185 | 0.98 |
| Subtransect | 0.170 | 0.68 |
| Distance to City Center | 0.426 | 0.514 |
| Subtransect x Distance to City Center | 0.809 | 0.369 |

Table 3: Assess how much variance is explained by transect

Urbanization = Urbanization Score

Model: Julian\_oldest\_inflor ~ Block + (1 | Population) + (1 | Population:Fam\_uniq) + Transect\_ID + Urb\_score + Transect\_ID:Urb\_score

| Variable | Group | Variance | PVE | p |
| --- | --- | --- | --- | --- |
| Flowering start: 2020 | Family | NA | NA | 0.5 |
| Population | NA | NA | 0.5 |

Table 4: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering start: 2020 | Block | 0.464 | 0.927 |
| Subtransect | 0.557 | 0.455 |
| Urbanization Score | 0.177 | 0.674 |
| Subtransect x Urbanization Score | 0.163 | 0.686 |