Table 1: Assess how much variance is explained by transect

Urbanization = Distance to the City Center

Model: as.numeric(flowering\_time) ~ Block + (1 | Population) + (1 | Population:Fam\_uniq) + Transect\_ID + City\_dist + Transect\_ID:City\_dist

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

Table 2: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering duration: 2020 | (Intercept) | 1.422 | 0.233 |
| Block | 2.468 | 0.481 |
| Subtransect | 4.317 | **0.038\*** |
| Distance to City Center | 3.217 | 0.073 |
| Subtransect x Distance to City Center | 3.215 | 0.073 |

Table 3: Assess how much variance is explained by transect

Urbanization = Urbanization Score

Model: as.numeric(flowering\_time) ~ Block + (1 | Population) + (1 | Population:Fam\_uniq) + Transect\_ID + Urb\_score + Transect\_ID:Urb\_score

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

Table 4: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering duration: 2020 | Block | 0.398 | 0.941 |
| Subtransect | 3.321 | 0.068 |
| Urbanization Score | 1.406 | 0.236 |
| Subtransect x Urbanization Score | 0.012 | 0.914 |