| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Flowering start: 2020 | Block | 0.679 | 0.878 |
| Subtransect | 0.989 | 0.32 |
| Urbanization Score | 0.518 | 0.472 |
| Subtransect x Urbanization Score | 0.135 | 0.714 |

Table 4: Quantify variance explained by transect

| Variable | Group | Variance | PVE | χ2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Flowering start: 2020 | Family | 0.078 | 94.281 | 2.994 | 1 | **0.042** |
| Flowering start: 2020 | Population | 0.068 | 93.464 | 0.000 | 1 | 0.5 |

Model: Julian\_oldest\_inflor - 170 ~ Block + (1 | Population) + (1 | Population:Fam\_uniq) + Transect\_ID + Urb\_score + Transect\_ID:Urb\_score

Urbanization = Urbanization Score

Table 3: Assess how much variance is explained by transect

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Flowering start: 2020 | Block | 0.303 | 0.959 |
| Subtransect | 0.414 | 0.52 |
| Distance to City Center | 0.541 | 0.462 |
| Subtransect x Distance to City Center | 0.710 | 0.399 |

Table 2: Quantify variance explained by transect

| Variable | Group | Variance | PVE | χ2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Flowering start: 2020 | Family | 0.071 | 93.730 | 4.592 | 1 | **0.016** |
| Flowering start: 2020 | Population | 0.063 | 93.016 | 0.000 | 1 | 0.5 |

Model: Julian\_oldest\_inflor - 170 ~ Block + (1 | Population) + (1 | Population:Fam\_uniq) + Transect\_ID + City\_dist + Transect\_ID:City\_dist

Urbanization = Distance to the City Center

Table 1: Assess how much variance is explained by transect