# Urbanization = Distance to City Center

ANOVA with all years of data

Model: flowering\_time\_num ~ Block + Year + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering duration | Block | 2.758 | 0.431 |
| Year | 12.299 | **0.002\*\*** |
| Distance to City Center | 3.411 | 0.065 |
| Subtransect | 6.267 | **0.012\*** |
| Distance to City Center x Subtransect | 0.932 | 0.334 |

ANOVA with one year of data

Model: flowering\_time\_num ~ Block + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering duration | Block | 4.257 | 0.235 |
| Distance to City Center | 0.418 | 0.518 |
| Subtransect | 2.068 | 0.15 |
| Distance to City Center x Subtransect | 0.590 | 0.443 |

# Urbanization = Urbanization Score

ANOVA with all years of data

Model: flowering\_time\_num ~ Block + Year + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering duration | (Intercept) | 48.860 | **<0.001\*\*\*** |
| Block | 1.936 | 0.586 |
| Year | 12.923 | **0.002\*\*** |
| Urbanization Score | 3.361 | 0.067 |
| Subtransect | 0.584 | 0.445 |
| Urbanization Score x Subtransect | 5.531 | **0.019\*** |

ANOVA with one year of data

Model: flowering\_time\_num ~ Block + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering duration | (Intercept) | 122.257 | **<0.001\*\*\*** |
| Block | 5.137 | 0.162 |
| Urbanization Score | 5.274 | **0.022\*** |
| Subtransect | 2.108 | 0.147 |
| Urbanization Score x Subtransect | 7.614 | **0.006\*\*** |