# Urbanization = Distance to City Center

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering success | Block | 35.390 | **<0.001\*\*\*** |
| Year | 80.934 | **<0.001\*\*\*** |
| Distance to City Center | 1.099 | 0.294 |
| Subtransect | 1.398 | 0.237 |
| Distance to City Center x Subtransect | 0.084 | 0.772 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering success | Block | 20.139 | **<0.001\*\*\*** |
| Distance to City Center | 0.096 | 0.757 |
| Subtransect | 0.629 | 0.428 |
| Distance to City Center x Subtransect | 0.028 | 0.867 |

# Urbanization = Urbanization Score

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering success | Block | 35.480 | **<0.001\*\*\*** |
| Year | 80.968 | **<0.001\*\*\*** |
| Urbanization Score | 0.923 | 0.337 |
| Subtransect | 1.173 | 0.279 |
| Urbanization Score x Subtransect | 1.071 | 0.301 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowering success | Block | 20.355 | **<0.001\*\*\*** |
| Urbanization Score | 0.391 | 0.532 |
| Subtransect | 0.435 | 0.509 |
| Urbanization Score x Subtransect | 2.088 | 0.148 |