# Urbanization = Distance to City Center

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowers per inflorescences | Block | 16.154 | **0.001\*\*** |
| Year | 16.069 | **<0.001\*\*\*** |
| Distance to City Center | 0.056 | 0.814 |
| Subtransect | 3.275 | 0.07 |
| Distance to City Center x Subtransect | 0.499 | 0.48 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowers per inflorescences | Block | 10.180 | **0.017\*** |
| Distance to City Center | 0.546 | 0.46 |
| Subtransect | 4.283 | **0.039\*** |
| Distance to City Center x Subtransect | 0.894 | 0.345 |

# Urbanization = Urbanization Score

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowers per inflorescences | (Intercept) | 242.527 | **<0.001\*\*\*** |
| Block | 17.074 | **<0.001\*\*\*** |
| Year | 17.073 | **<0.001\*\*\*** |
| Urbanization Score | 4.597 | **0.032\*** |
| Subtransect | 7.369 | **0.007\*\*** |
| Urbanization Score x Subtransect | 3.274 | 0.07 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flowers per inflorescences | Block | 10.156 | **0.017\*** |
| Urbanization Score | 2.409 | 0.121 |
| Subtransect | 6.034 | **0.014\*** |
| Urbanization Score x Subtransect | 1.912 | 0.167 |