# Urbanization = Distance to City Center

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flower size | Block | 3.650 | 0.302 |
| Year | 0.014 | 0.993 |
| Distance to City Center | 2.027 | 0.155 |
| Subtransect | 0.372 | 0.542 |
| Distance to City Center x Subtransect | 0.889 | 0.346 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flower size | Block | 1.586 | 0.663 |
| Distance to City Center | 1.369 | 0.242 |
| Subtransect | 0.573 | 0.449 |
| Distance to City Center x Subtransect | 0.186 | 0.666 |

# Urbanization = Urbanization Score

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flower size | Block | 3.546 | 0.315 |
| Year | 0.000 | 1 |
| Urbanization Score | 0.273 | 0.601 |
| Subtransect | 0.398 | 0.528 |
| Urbanization Score x Subtransect | 1.682 | 0.195 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Flower size | Block | 1.541 | 0.673 |
| Urbanization Score | 1.091 | 0.296 |
| Subtransect | 0.292 | 0.589 |
| Urbanization Score x Subtransect | 0.329 | 0.567 |