# Urbanization = Distance to City Center

ANOVA with all years of data

Model: Peduncles^2 ~ Block + Year + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Inflorescences | Block | 6.054 | 0.109 |
| Year | 26.013 | **<0.001\*\*\*** |
| Distance to City Center | 2.604 | 0.107 |
| Subtransect | 1.197 | 0.274 |
| Distance to City Center x Subtransect | 0.416 | 0.519 |

ANOVA with one year of data

Model: Peduncles^2 ~ Block + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Inflorescences | Block | 4.922 | 0.178 |
| Distance to City Center | 0.202 | 0.653 |
| Subtransect | 0.495 | 0.482 |
| Distance to City Center x Subtransect | 0.797 | 0.372 |

# Urbanization = Urbanization Score

ANOVA with all years of data

Model: Peduncles^2 ~ Block + Year + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Inflorescences | (Intercept) | 28.535 | **<0.001\*\*\*** |
| Block | 4.898 | 0.179 |
| Year | 26.210 | **<0.001\*\*\*** |
| Urbanization Score | 8.018 | **0.005\*\*** |
| Subtransect | 3.889 | **0.049\*** |
| Urbanization Score x Subtransect | 11.255 | **<0.001\*\*\*** |

ANOVA with one year of data

Model: Peduncles^2 ~ Block + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Inflorescences | (Intercept) | 110.773 | **<0.001\*\*\*** |
| Block | 3.829 | 0.281 |
| Urbanization Score | 8.421 | **0.004\*\*** |
| Subtransect | 4.797 | **0.029\*** |
| Urbanization Score x Subtransect | 11.717 | **<0.001\*\*\*** |