# Urbanization = Distance to City Center

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Ramets before flowering | Block | 29.291 | **<0.001\*\*\*** |
| Year | 338.974 | **<0.001\*\*\*** |
| Distance to City Center | 1.916 | 0.166 |
| Subtransect | 1.149 | 0.284 |
| Distance to City Center x Subtransect | 1.178 | 0.278 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Ramets before flowering | Block | 54.054 | **<0.001\*\*\*** |
| Distance to City Center | 2.861 | 0.091 |
| Subtransect | 0.002 | 0.962 |
| Distance to City Center x Subtransect | 2.050 | 0.152 |

# Urbanization = Urbanization Score

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Ramets before flowering | Block | 30.086 | **<0.001\*\*\*** |
| Year | 338.884 | **<0.001\*\*\*** |
| Urbanization Score | 0.915 | 0.339 |
| Subtransect | 1.921 | 0.166 |
| Urbanization Score x Subtransect | 0.738 | 0.39 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Ramets before flowering | Block | 55.923 | **<0.001\*\*\*** |
| Urbanization Score | 0.778 | 0.378 |
| Subtransect | 0.159 | 0.691 |
| Urbanization Score x Subtransect | 1.440 | 0.23 |