# Urbanization = Distance to City Center

ANOVA with all years of data

Model: Julian\_first\_follicle^3 ~ Block + Year + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Date of first follicle | Block | 157,511.302 | **<0.001\*\*\*** |
| Year | 3,595,370.318 | **<0.001\*\*\*** |
| Distance to City Center | 5.774 | **0.016\*** |
| Subtransect | 5.541 | **0.019\*** |
| Distance to City Center x Subtransect | 0.605 | 0.437 |

ANOVA with one year of data

Model: Julian\_first\_follicle^3 ~ Block + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Date of first follicle | Block | 264,101.558 | **<0.001\*\*\*** |
| Distance to City Center | 2.566 | 0.109 |
| Subtransect | 1.639 | 0.201 |
| Distance to City Center x Subtransect | 0.262 | 0.609 |

# Urbanization = Urbanization Score

ANOVA with all years of data

Model: Julian\_first\_follicle^3 ~ Block + Year + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Date of first follicle | (Intercept) | 318,061.786 | **<0.001\*\*\*** |
| Block | 157,510.402 | **<0.001\*\*\*** |
| Year | 3,595,370.564 | **<0.001\*\*\*** |
| Urbanization Score | 0.785 | 0.376 |
| Subtransect | 0.009 | 0.926 |
| Urbanization Score x Subtransect | 3.174 | 0.075 |

ANOVA with one year of data

Model: Julian\_first\_follicle^3 ~ Block + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Date of first follicle | (Intercept) | 290,635.516 | **<0.001\*\*\*** |
| Block | 264,100.422 | **<0.001\*\*\*** |
| Urbanization Score | 2.850 | 0.091 |
| Subtransect | 0.990 | 0.32 |
| Urbanization Score x Subtransect | 4.834 | **0.028\*** |