# Urbanization = Distance to City Center

ANOVA with all years of data

Model: Julian\_first\_follicle - 170 ~ Block + Year + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Date of first follicle | Block | 5.873 | 0.118 |
| Year | 52.576 | **<0.001\*\*\*** |
| Distance to City Center | 6.469 | **0.011\*** |
| Subtransect | 1.906 | 0.167 |
| Distance to City Center x Subtransect | 0.074 | 0.785 |

ANOVA with one year of data

Model: Julian\_first\_follicle - 170 ~ Block + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Date of first follicle | Block | 12.258 | **0.007\*\*** |
| Distance to City Center | 2.754 | 0.097 |
| Subtransect | 0.208 | 0.649 |
| Distance to City Center x Subtransect | 0.000 | 0.984 |

# Urbanization = Urbanization Score

ANOVA with all years of data

Model: Julian\_first\_follicle - 170 ~ Block + Year + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Date of first follicle | (Intercept) | 4,472.739 | **<0.001\*\*\*** |
| Block | 6.568 | 0.087 |
| Year | 55.639 | **<0.001\*\*\*** |
| Urbanization Score | 0.755 | 0.385 |
| Subtransect | 0.612 | 0.434 |
| Urbanization Score x Subtransect | 4.228 | **0.04\*** |

ANOVA with one year of data

Model: Julian\_first\_follicle - 170 ~ Block + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Date of first follicle | (Intercept) | 4,602.175 | **<0.001\*\*\*** |
| Block | 11.743 | **0.008\*\*** |
| Urbanization Score | 2.209 | 0.137 |
| Subtransect | 2.070 | 0.15 |
| Urbanization Score x Subtransect | 4.435 | **0.035\*** |