# Urbanization = Distance to City Center

ANOVA with all years of data

Model: rel\_growth\_rate^(1/3) ~ Block + Year + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Relative growth rate | Block | 4.985 | 0.173 |
| Year | 1.578 | 0.454 |
| Distance to City Center | 0.004 | 0.947 |
| Subtransect | 0.989 | 0.32 |
| Distance to City Center x Subtransect | 0.456 | 0.5 |

ANOVA with one year of data

Model: rel\_growth\_rate^(1/3) ~ Block + (1 | Population/Family) + City\_dist + Transect\_ID + City\_dist:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Relative growth rate | Block | 7.328 | 0.062 |
| Distance to City Center | 0.035 | 0.853 |
| Subtransect | 0.558 | 0.455 |
| Distance to City Center x Subtransect | 0.293 | 0.588 |

# Urbanization = Urbanization Score

ANOVA with all years of data

Model: rel\_growth\_rate^(1/3) ~ Block + Year + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Relative growth rate | Block | 4.892 | 0.18 |
| Year | 1.535 | 0.464 |
| Urbanization Score | 0.177 | 0.674 |
| Subtransect | 1.154 | 0.283 |
| Urbanization Score x Subtransect | 1.003 | 0.317 |

ANOVA with one year of data

Model: rel\_growth\_rate^(1/3) ~ Block + (1 | Population/Family) + Urb\_score + Transect\_ID + Urb\_score:Transect\_ID

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Relative growth rate | Block | 7.323 | 0.062 |
| Urbanization Score | 0.125 | 0.724 |
| Subtransect | 0.419 | 0.517 |
| Urbanization Score x Subtransect | 1.096 | 0.295 |