# Urbanization = Distance to City Center

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Mortality | (Intercept) | 23.691 | **<0.001\*\*\*** |
| Block | 41.906 | **<0.001\*\*\*** |
| Year | 242.651 | **<0.001\*\*\*** |
| Distance to City Center | 5.860 | **0.015\*** |
| Subtransect | 2.319 | 0.128 |
| Distance to City Center x Subtransect | 3.225 | 0.073 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Mortality | Block | 23.166 | **<0.001\*\*\*** |
| Distance to City Center | 1.068 | 0.301 |
| Subtransect | 0.061 | 0.805 |
| Distance to City Center x Subtransect | 1.350 | 0.245 |

# Urbanization = Urbanization Score

ANOVA with all years of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Mortality | (Intercept) | 55.626 | **<0.001\*\*\*** |
| Block | 43.512 | **<0.001\*\*\*** |
| Year | 242.655 | **<0.001\*\*\*** |
| Urbanization Score | 2.735 | 0.098 |
| Subtransect | 2.063 | 0.151 |
| Urbanization Score x Subtransect | 3.510 | 0.061 |

ANOVA with one year of data

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

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Mortality | (Intercept) | 1.803 | 0.179 |
| Block | 24.616 | **<0.001\*\*\*** |
| Urbanization Score | 1.562 | 0.211 |
| Subtransect | 2.531 | 0.112 |
| Urbanization Score x Subtransect | 3.183 | 0.074 |