Table 1: Assess how much variance is explained by transect

Urbanization = Distance to the City Center

Model: (rel\_growth\_rate^(1/3)) \* 100 ~ (1 | Population/Family) + Block + Transect\_ID + City\_dist + Transect\_ID:City\_dist

| Variable | Group | Ï‡2 | Variance | PVE | p |
| --- | --- | --- | --- | --- | --- |
| Relative growth rate: 2019 | Family:Population | 0 | 0.000 | 0 | 0.5 |
| Population | 0 | 0.000 | 0 | 0.5 |
| Residual |  | 35.921 | 100 |  |

Table 2: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Relative growth rate: 2019 | Block | 0.459 | 0.928 |
| Subtransect | 1.948 | 0.163 |
| Distance to City Center | 4.148 | **0.042\*** |
| Subtransect x Distance to City Center | 1.824 | 0.177 |

Table 3: Assess how much variance is explained by transect

Urbanization = Urbanization Score

Model: (rel\_growth\_rate^(1/3)) \* 100 ~ (1 | Population/Family) + Block + Transect\_ID + Urb\_score + Transect\_ID:Urb\_score

| Variable | Group | Ï‡2 | Variance | PVE | p |
| --- | --- | --- | --- | --- | --- |
| Relative growth rate: 2019 | Family:Population | 0 | 0.000 | 0 | 0.5 |
| Population | 0 | 0.000 | 0 | 0.5 |
| Residual |  | 36.326 | 100 |  |

Table 4: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Relative growth rate: 2019 | Block | 0.462 | 0.927 |
| Subtransect | 0.607 | 0.436 |
| Urbanization Score | 1.475 | 0.225 |
| Subtransect x Urbanization Score | 1.859 | 0.173 |