| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Follicles: 2020 | Block | 0.313 | 0.958 |
| Urbanization Score | 0.439 | 0.507 |

Table 5: Quantify variance explained by urbanization

| Variable | Group | Variance | PVE | χ2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Follicles: 2020 | Family | 0.526 | 74.919 | 16.245 | 1 | **<0.001** |
| Follicles: 2020 | Population | 0.625 | 76.207 | 0.000 | 1 | 0.4965 |

Model: Pods ~ Block + (1 | Population) + (1 | Population:Fam\_uniq) + Urb\_score

Urbanization = Urbanization Score

Table 4: Assess how much variance is explained by urbanization

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Follicles: 2020 | Block | 0.962 | 0.81 |
| Distance to City Center | 1.476 | 0.224 |

Table 3: Quantify variance explained by urbanization

| Variable | Group | Variance | PVE | χ2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Follicles: 2020 | Family | 0.488 | 73.490 | 16.846 | 1 | **<0.001** |
| Follicles: 2020 | Population | 0.582 | 74.878 | 0.000 | 1 | 0.496 |

Model: Pods ~ Block + (1 | Population) + (1 | Population:Fam\_uniq) + City\_dist

Urbanization = Distance to the City Center

Table 2: Assess how much variance is explained by urbanization

| Variable | Group | Variance | PVE | χ2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Follicles: 2020 | Family | 0.568 | 76.338 | 16.06 | 1 | **<0.001** |
| Follicles: 2020 | Population | 0.675 | 77.567 | 0.00 | 1 | 0.4975 |

Model: Pods ~ Block + (1 | Population) + (1 | Population:Fam\_uniq)

Table 1: Test for variance among families and populations