Table 1: Test for variance among families and populations

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

PVE for population: 79.552. PVE for family: 78.38

| Variable | Group | p |
| --- | --- | --- |
| Follicles: 2021 | Family | **<0.001** |
| Population | 0.473 |

Table 2: Assess how much variance is explained by urbanization

Urbanization = Distance to the City Center

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

PVE for population: 79.564. PVE for family: 77.904

| Variable | Group | p |
| --- | --- | --- |
| Follicles: 2021 | Family | **<0.001** |
| Population | 0.5 |

Table 3: Quantify variance explained by urbanization

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Follicles: 2021 | Block | 9.164 | **0.027\*** |
| Distance to City Center | 1.298 | 0.255 |

Table 4: Assess how much variance is explained by urbanization

Urbanization = Urbanization Score

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

PVE for population: 79.577. PVE for family: 78.371

| Variable | Group | p |
| --- | --- | --- |
| Follicles: 2021 | Family | **<0.001** |
| Population | 0.5 |

Table 5: Quantify variance explained by urbanization

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Follicles: 2021 | Block | 9.361 | **0.025\*** |
| Urbanization Score | 0.679 | 0.41 |