# R-squared estimates for Flowering success Models

|  | **Distance to City Center** | | | | | | **Urbanization Score** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Best Models** | | | | **Alternative Models** | | **Best Models** | | | | **Alternative Models** | |
|  | **All Populations** | | **Urban Populations** | | | | **All Populations** | | **Urban Populations** | | | |
|  | **Model 1** | | **Model 2** | | **Model 3** | | **Model 4** | | **Model 5** | | **Model 6** | |
| **Type** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** |
| theoretical | 0.224 | 0.378 | 0.201 | 0.384 | 0.201 | 0.387 | 0.224 | 0.378 | 0.201 | 0.384 | 0.203 | 0.388 |
| delta | 0.100 | 0.168 | 0.095 | 0.181 | 0.095 | 0.183 | 0.100 | 0.169 | 0.095 | 0.182 | 0.096 | 0.184 |

# R-squared estimates for Flowers per inflorescence Models

|  | **Distance to City Center** | | | | | | **Urbanization Score** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Best Models** | | | | **Alternative Models** | | **Best Models** | | | | **Alternative Models** | |
|  | **All Populations** | | **Urban Populations** | | | | **All Populations** | | **Urban Populations** | | | |
|  | **Model 1** | | **Model 2** | | **Model 3** | | **Model 4** | | **Model 5** | | **Model 6** | |
| **Type** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** |
| delta | 0.116 | 0.163 | 0.134 | 0.166 | 0.134 | 0.174 | 0.125 | 0.167 | 0.152 | 0.161 | 0.140 | 0.171 |
| lognormal | 0.134 | 0.188 | 0.153 | 0.189 | 0.152 | 0.198 | 0.144 | 0.192 | 0.173 | 0.184 | 0.159 | 0.194 |
| trigamma | 0.098 | 0.137 | 0.114 | 0.142 | 0.115 | 0.149 | 0.105 | 0.140 | 0.129 | 0.137 | 0.120 | 0.146 |

# R-squared estimates for Flower size Models

|  | **Distance to City Center** | | | | | | **Urbanization Score** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Best Models** | | | | **Alternative Models** | | **Best Models** | | | | **Alternative Models** | |
|  | **All Populations** | | **Urban Populations** | | | | **All Populations** | | **Urban Populations** | | | |
|  | **Model 1** | | **Model 2** | | **Model 3** | | **Model 4** | | **Model 5** | | **Model 6** | |
| **Type** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** |
| 1 | 0.021 | 0.285 | 0.04 | 0.313 | 0.049 | 0.322 | 0.02 | 0.284 | 0.024 | 0.307 | 0.039 | 0.312 |

# R-squared estimates for Flowering time Models

|  | **Distance to City Center** | | | | | | **Urbanization Score** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Best Models** | | | | **Alternative Models** | | **Best Models** | | | |
|  | **All Populations** | | **Urban Populations** | | | | **All Populations** | | **Urban Populations** | |
|  | **Model 1** | | **Model 2** | | **Model 3** | | **Model 4** | | **Model 5** | |
| **Type** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** |
| delta | 0.053 | 0.103 | 0.099 | 0.113 | 0.102 | 0.118 | 0.053 | 0.103 | 0.083 | 0.091 |
| lognormal | 0.066 | 0.126 | 0.123 | 0.141 | 0.126 | 0.145 | 0.065 | 0.127 | 0.104 | 0.114 |
| trigamma | 0.041 | 0.079 | 0.075 | 0.086 | 0.077 | 0.089 | 0.041 | 0.079 | 0.062 | 0.069 |

# R-squared estimates for Date of first flower Models

|  | **Distance to City Center** | | | | | | **Urbanization Score** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Best Models** | | | | **Alternative Models** | | **Best Models** | | | | **Alternative Models** | |
|  | **All Populations** | | **Urban Populations** | | | | **All Populations** | | **Urban Populations** | | | |
|  | **Model 1** | | **Model 2** | | **Model 3** | | **Model 4** | | **Model 5** | | **Model 6** | |
| **Type** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** |
| delta | 0.238 | 0.383 | 0.253 | 0.411 | 0.250 | 0.412 | 0.239 | 0.384 | 0.253 | 0.413 | 0.239 | 0.406 |
| lognormal | 0.247 | 0.396 | 0.262 | 0.425 | 0.259 | 0.427 | 0.247 | 0.398 | 0.262 | 0.427 | 0.248 | 0.420 |
| trigamma | 0.230 | 0.368 | 0.244 | 0.396 | 0.241 | 0.397 | 0.230 | 0.370 | 0.244 | 0.398 | 0.230 | 0.391 |

# R-squared estimates for Follicles Models

|  | **Distance to City Center** | | | | | | **Urbanization Score** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Best Models** | | | | **Alternative Models** | | **Best Models** | | | |
|  | **All Populations** | | **Urban Populations** | | | | **All Populations** | | **Urban Populations** | |
|  | **Model 1** | | **Model 2** | | **Model 3** | | **Model 4** | | **Model 5** | |
| **Type** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** |
| delta | 0.103 | 0.133 | 0.165 | 0.213 | 0.161 | 0.223 | 0.103 | 0.132 | 0.197 | 0.209 |
| lognormal | 0.168 | 0.216 | 0.248 | 0.321 | 0.239 | 0.332 | 0.168 | 0.215 | 0.296 | 0.313 |
| trigamma | 0.046 | 0.059 | 0.082 | 0.106 | 0.082 | 0.113 | 0.046 | 0.059 | 0.099 | 0.105 |

# R-squared estimates for Date of first follicle Models

|  | **Distance to City Center** | | | | | | **Urbanization Score** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Best Models** | | | | **Alternative Models** | | **Best Models** | | | |
|  | **All Populations** | | **Urban Populations** | | | | **All Populations** | | **Urban Populations** | |
|  | **Model 1** | | **Model 2** | | **Model 3** | | **Model 4** | | **Model 5** | |
| **Type** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** |
| delta | 0.303 | 0.372 | 0.330 | 0.384 | 0.329 | 0.389 | 0.298 | 0.373 | 0.341 | 0.375 |
| lognormal | 0.305 | 0.374 | 0.332 | 0.386 | 0.331 | 0.391 | 0.300 | 0.376 | 0.343 | 0.378 |
| trigamma | 0.301 | 0.369 | 0.328 | 0.381 | 0.327 | 0.387 | 0.296 | 0.371 | 0.339 | 0.373 |

# R-squared estimates for Inflorescences Models

|  | **Distance to City Center** | | | | | | **Urbanization Score** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Best Models** | | | | **Alternative Models** | | **Best Models** | | | |
|  | **All Populations** | | **Urban Populations** | | | | **All Populations** | | **Urban Populations** | |
|  | **Model 1** | | **Model 2** | | **Model 3** | | **Model 4** | | **Model 5** | |
| **Type** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** | **R2m** | **R2c** |
| delta | 0.091 | 0.261 | 0.157 | 0.420 | 0.155 | 0.428 | 0.090 | 0.262 | 0.165 | 0.258 |
| lognormal | 0.104 | 0.299 | 0.197 | 0.529 | 0.194 | 0.537 | 0.103 | 0.300 | 0.190 | 0.296 |
| trigamma | 0.077 | 0.220 | 0.105 | 0.280 | 0.104 | 0.288 | 0.076 | 0.221 | 0.138 | 0.216 |