# R-squared estimates for Danaus plexippus 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 | 0.084 | 0.091 | 0.088 | 0.090 | 0.088 | 0.090 | 0.084 | 0.091 | 0.086 | 0.089 | 0.086 | 0.090 |
| lognormal | 0.181 | 0.194 | 0.189 | 0.193 | 0.189 | 0.193 | 0.180 | 0.194 | 0.185 | 0.191 | 0.185 | 0.193 |
| trigamma | 0.022 | 0.024 | 0.023 | 0.023 | 0.023 | 0.023 | 0.022 | 0.024 | 0.022 | 0.023 | 0.022 | 0.023 |

# R-squared estimates for Liriomyza asclepiadis 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 | 0.311 | 0.364 | 0.323 | 0.391 | 0.323 | 0.393 | 0.311 | 0.364 | 0.323 | 0.391 | 0.322 | 0.392 |
| lognormal | 0.412 | 0.483 | 0.419 | 0.507 | 0.418 | 0.509 | 0.412 | 0.483 | 0.418 | 0.507 | 0.418 | 0.508 |
| trigamma | 0.188 | 0.221 | 0.203 | 0.246 | 0.203 | 0.247 | 0.188 | 0.221 | 0.203 | 0.246 | 0.203 | 0.246 |

# R-squared estimates for Labidomera clivicollis 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 | 0.009 | 0.011 | 0.019 | 0.021 | 0.017 | 0.021 | 0.009 | 0.011 | 0.018 | 0.021 | 0.018 | 0.021 |
| lognormal | 0.094 | 0.116 | 0.186 | 0.210 | 0.170 | 0.205 | 0.097 | 0.114 | 0.176 | 0.211 | 0.185 | 0.211 |
| trigamma | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |