# 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 | 0.098 | 0.106 | 0.103 | 0.105 | 0.103 | 0.105 | 0.098 | 0.106 | 0.101 | 0.104 | 0.101 | 0.105 |
| lognormal | 0.194 | 0.208 | 0.203 | 0.208 | 0.203 | 0.208 | 0.194 | 0.208 | 0.199 | 0.206 | 0.200 | 0.207 |
| trigamma | 0.030 | 0.032 | 0.031 | 0.032 | 0.031 | 0.032 | 0.030 | 0.032 | 0.031 | 0.032 | 0.031 | 0.032 |

# 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 | 0.437 | 0.512 | 0.419 | 0.508 | 0.419 | 0.510 | 0.437 | 0.512 | 0.419 | 0.508 | 0.419 | 0.509 |
| lognormal | 0.503 | 0.589 | 0.487 | 0.590 | 0.486 | 0.592 | 0.503 | 0.589 | 0.487 | 0.590 | 0.486 | 0.591 |
| trigamma | 0.351 | 0.411 | 0.330 | 0.400 | 0.329 | 0.401 | 0.351 | 0.411 | 0.330 | 0.399 | 0.329 | 0.400 |

# 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 | 0.011 | 0.013 | 0.024 | 0.027 | 0.022 | 0.027 | 0.011 | 0.013 | 0.024 | 0.028 | 0.024 | 0.028 |
| lognormal | 0.099 | 0.121 | 0.197 | 0.222 | 0.180 | 0.217 | 0.101 | 0.119 | 0.188 | 0.224 | 0.197 | 0.224 |
| trigamma | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.001 |