# 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 | 0.000 | 0.000 | 0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| lognormal | 0.005 | 0.006 | 0 | 0 | 0.001 | 0.001 | 0.005 | 0.006 | 0.001 | 0.001 | 0.001 | 0.001 |
| trigamma | 0.000 | 0.000 | 0 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

# 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 | 0.25 | 0.282 | 0.231 | 0.271 | 0.231 | 0.272 | 0.25 | 0.282 | 0.231 | 0.271 | 0.231 | 0.272 |
| lognormal | 0.36 | 0.407 | 0.346 | 0.406 | 0.346 | 0.407 | 0.36 | 0.407 | 0.346 | 0.406 | 0.346 | 0.407 |
| trigamma | 0.13 | 0.146 | 0.110 | 0.129 | 0.110 | 0.130 | 0.13 | 0.146 | 0.110 | 0.129 | 0.111 | 0.130 |

# 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 | 0.012 | 0.026 | 0.026 | 0.047 | 0.028 | 0.048 | 0.013 | 0.025 | 0.024 | 0.050 | 0.024 | 0.050 |
| lognormal | 0.099 | 0.206 | 0.158 | 0.290 | 0.170 | 0.295 | 0.108 | 0.202 | 0.141 | 0.295 | 0.141 | 0.296 |
| trigamma | 0.000 | 0.001 | 0.001 | 0.002 | 0.001 | 0.002 | 0.000 | 0.001 | 0.001 | 0.002 | 0.001 | 0.002 |