Table S1. Deforestation Vulnerability Index results under expert weighting. Index results have been rounded to two decimal points, whilst % percentage change was calculated on non-rounded values.

|  |  |
| --- | --- |
|  | **Deforestation Vulnerability Index** |
|  | **2000** |  **2005** | **2010** | **% Change 2000-2010** |
| Argentina | 0.31 | 0.44 | 0.40 | 29.5 |
| Belize | 0.41 | 0.42 | 0.41 | 0.4 |
| Bolivia | 0.42 | 0.50 | 0.41 | -4.1 |
| Brazil | 0.41 | 0.46 | 0.38 | -5.7 |
| Chile | 0.21 | 0.21 | 0.12 | -43.5 |
| Colombia | 0.40 | 0.44 | 0.37 | -9.1 |
| Costa Rica | 0.31 | 0.37 | 0.35 | 12.9 |
| Cuba | 0.39 | 0.35 | 0.32 | -17.6 |
| Dominican Republic | 0.43 | 0.49 | 0.40 | -6.3 |
| Ecuador | 0.44 | 0.47 | 0.41 | -7.3 |
| El Salvador | 0.41 | 0.48 | 0.36 | -13.2 |
| Guatemala | 0.48 | 0.54 | 0.43 | -10.9 |
| Guyana | 0.35 | 0.38 | 0.37 | 5.6 |
| Haiti | 0.60 | 0.66 | 0.62 | 3.5 |
| Honduras | 0.44 | 0.52 | 0.45 | 1.5 |
| Jamaica | 0.39 | 0.44 | 0.37 | -3.9 |
| Mexico | 0.31 | 0.33 | 0.31 | -2.3 |
| Nicaragua | 0.49 | 0.50 | 0.42 | -14.7 |
| Panama | 0.34 | 0.37 | 0.28 | -18.4 |
| Paraguay | 0.53 | 0.49 | 0.54 | 2.1 |
| Peru | 0.37 | 0.42 | 0.33 | -11.8 |
| Suriname | 0.38 | 0.29 | 0.38 | 0.8 |
| Uruguay | 0.22 | 0.29 | 0.19 | -15.9 |
| Venezuela, RB  | 0.40 | 0.48 | 0.41 | 1.5 |

Table S2. Deforestation Vulnerability Index results from provincial application. Results from both expert and stakeholder weighting displayed.

|  |  |
| --- | --- |
|  | **Deforestation Vulnerability Index** |
|  | **Expert Weight** | **Stakeholder Weight** |
| Bolivia | 0.39 | 0.55 |
| Santa Cruz | 0.54 | 0.73 |
| Brazil | 0.36 | 0.39 |
| Para | 0.42 | 0.43 |
| Mexico | 0.27 | 0.28 |
| Jalisco | 0.33 | 0.36 |

Table S3. Results from pairwise t-test analysis of Deforestation Vulnerability Index (DVI) values under random weighting of DVI indicators through Monte Carlo analysis. Values represent p values from pairwise t-test using data for the year 2010, with significance codes used in place of values for highly significant results. ISO two letter country codes used.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **AR** | **BZ** | **BO** | **BR** | **CL** | **CO** | **CR** | **CU** | **DO** | **EC** | **SV** | **GT** | **GY** | **HT** | **HN** | **JM** | **MX** | **NI** | **PA** | **PY** | **PE** | **SR** | **UY** | **VE** |
| **AR** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **BZ** | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **BO** | \*\*\* | 0.69 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **BR** | 0.1 | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **CL** | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **CO** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **CR** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **CU** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **DO** | \*\*\* | 0.06. | 0.13 | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **EC** | \*\*\* | 0.002\*\* | 0.01\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | 0.27 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **SV** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | 0.26 | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **GT** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **GY** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | 0.003\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | 0.07. | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |
| **HT** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |
| **HN** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |  |  |
| **JM** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | 0.04\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | 0.002\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |  |
| **MX** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | 0.16 | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |  |
| **NI** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |  |
| **PA** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |  |
| **PY** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |  |
| **PE** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |  |
| **SR** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | 0.02\* | \*\*\* | 0.66 | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |  |
| **UY** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |  |
| **VE** | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | 0.01\* | 0.15 | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* | \*\*\* |  |

Significance codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1