ROBITT\_template

Rob Boyd

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# 1. Iteration

### 1.1 ROBITT iteration number

|  |  |  |
| --- | --- | --- |
| Iteration | Comments |  |
|  |  |  |

# 2. Research statement and pre-bias assessments

## Statistical population of interest

**2.1 Define the statistical target population about which you intend to make inferences.**

|  |  |  |
| --- | --- | --- |
| Domain | Extent | Resolution |
| Geographic |  |  |
| Temporal |  |  |
| Taxonomic (or other relevant organismal domain such as functional group etc.) |  |  |
| Environmental |  |  |

# Inferential goals

**2.2 What are your inferential goals?**

## Data provenance

**2.3 From where were your data acquired (please provide citations, including a DOI, wherever possible)? What are their key features in respect of the inferential aims of your study (see the guidance document for examples)?**

## Data processing

**2.4 Provide details of, and the justification for, all of the steps that you have taken to clean the data described above prior to analyses.**

# 3. Bias assessment and mitigation

## Assessment resolutions

**3.1 At what geographic, temporal and taxonomic resolutions (i.e. scales or grain sizes) will you conduct your bias assessment?**

## Geographic domain

**3.2 Are the data sampled from a representative portion of geographical space in the domain of interest?**

**3.3 Are your data sampled from the same portions of geographic space across time periods?**

**3.4 If the answers to the above questions revealed any potential geographic biases, or temporal variation in geographic coverage, please explain, in detail, how you plan to mitigate them.**

## Environmental domain

**3.5 Are your data sampled from a representative portion of environmental space in the domain of interest?**

**3.6 Are your data sampled from the same portion of environmental space across time periods?**

**3.7 If the answers to the above questions revealed any potential environmental biases, or temporal variation in environmental coverage, please explain, in detail, how you plan to mitigate them.**

## Taxonomic domain (or other organismal domain, e.g., phylogenetic, trait space etc.)

**Is the sampled portion of the taxonomic (or phylogenetic, trait or other space if more relevant) space representative of the taxonomic (or other) domain of interest?**

**3.9 Do your data pertain to the same taxa/taxonomic domain across time periods?**

**3.10 If the answers to the above questions revealed any potential taxonomic biases, or temporal variation in taxonomic coverage, please explain, in detail, how you plan to mitigate them.**

## Other potential biases

**3.11 Are there other potential temporal biases in your data that relate to variables other than ecological states?**

**3.12 Are you aware of any other potential biases not covered by the above questions that might cause problems for your inferences?**

**3.13 If questions 3.11 or 3.12 revealed any important potential biases, please explain how you will mitigate them.**

# 4. Supporting references