# Flying Foxes and Uncertainty

## Essay Assignment

In a short essay (300 words), please describe why it is important to include uncertainty in forecasts of flying fox mortality events. In your answer, please include (1) a discussion of what sources of uncertainty exist, (2) a description of possible consequences of uncertainty omission or misrepresentation, and (3) a discussion of how uncertainty representations may need to differ depending on interested parties' needs.

Rubric for evaluation of writing assignment

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|  | **0: No evidence** | **1: Below proficient** | **2: Emerging proficient** | **3: Proficient** | **4: Advanced** |
| **Forecast uncertainty sources** | No mention of forecast uncertainty sources | Only one source of uncertainty mentioned or description of uncertainty sources is mostly incorrect | Multiple sources of uncertainty mentioned. Description lacks specificity or contains substantial errors | Multiple sources of uncertainty mentioned, with correct description | Multiple specific sources of uncertainty are thoroughly described and correctly explained |
| **Possible consequences of uncertainty omission and misrepresentation** | No mention of the consequences of uncertainty omission or misrepresentation | Consequences of uncertainty omission or misrepresentation are mostly missing or incorrect | Vague description of two or more consequences of uncertainty omission or misrepresentation | Mostly correct description of two or more consequences of uncertainty omission or misrepresentation | Convincing description of two or more consequences of uncertainty omission or misrepresentation |
| **Variable user needs** | No mention of user needs | Only one user’s needs discussed, or discussion of user needs lacks connection to forecast uncertainty | Multiple user needs discussed, with connections to forecast uncertainty. Discussion lacks specificity or contains errors | Multiple user needs discussed, with connections to forecast uncertainty. Discussion is mostly correct | Well-reasoned discussion of how uncertainty representations may need to vary between two or more forecast users |
| **Writing quality** | Major grammatical issues make text impossible for a general audience to understand | Major grammatical issues make text difficult to understand | Issues with grammar or organization hinder understanding | Minor issues with grammar or organization | Ideas are fully explained with clear logic, following assignment specifications |

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