Taxa Explorer

\*\*Taxonomic Explorer App: User Guide\*\*

Welcome to the Taxonomic Explorer app! This interactive tool allows you to explore and analyze taxonomic data, providing insights into species composition, geographical distribution, and detailed record information. Here's a step-by-step guide on how to use the app:

### 1. \*\*Select Taxa:\*\*

- Use the dropdown menu to select a specific taxon (e.g., frog, dove, bee). This choice will be the focus of your exploration.

### 2. \*\*Summary Tab:\*\*

- \*\*Heading:\*\* Observe the dynamic heading reflecting your selected taxa.

- \*\*Pie Chart:\*\* View the pie chart representing the top 10 species composition.

- \*\*Summary Statistics:\*\* Check the value boxes for the number of distinct species, total records, and the top observer.

### 3. \*\*Map Tab:\*\*

- Explore the leaflet map with markers representing records of the selected taxa.

- Each marker on the map corresponds to a specific record, providing a spatial overview.

### 4. \*\*Species List and Records Tab:\*\*

- \*\*Species List:\*\* View a data table listing species and their respective number of records, sorted in descending order.

- \*\*Records:\*\* Explore a data table displaying all records for the selected taxa.

### 5. \*\*Photo Display:\*\*

- Click on a row in the Records data table to view the associated photo in a modal dialog.

### Tips:

- \*\*Dynamic Updates:\*\* All visualizations and summaries dynamically update based on your taxa selection.

- \*\*Interactivity:\*\* Click on elements such as data points in charts or rows in tables for more details.

- \*\*Explore and Analyze:\*\* Use the app to gain insights into species distribution, observer contributions, and more.

### Important:

- Ensure that you've selected a taxon before exploring different tabs.

- Some functionalities may depend on the availability of data such as photos and specific functions like `survey\_data()`.

Enjoy exploring the fascinating world of taxonomy with the Taxonomic Explorer app!