

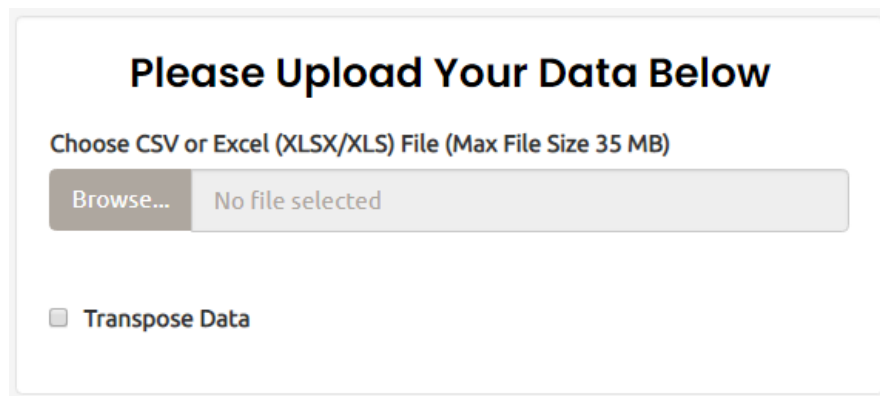
BIPLOT ANALYSIS

Biplot is an overlay of a score plot and a loadings plot, which are two common plots in a principal component analysis. These two plots are on different scales, but you can rescale the two plots and overlay them on a single plot. Depending upon the choice of scaling, the biplot can provide faithful information about the relationship between variables (lengths and angles) or between observations (distances). It can also provide approximate relationships between variables and observations.

CREATING BILOT

STEP 1: Uploading Your Data

1. On the upload panel, click Browse and select the data you want to upload. The app will automatically show you the data in “10 Top Data” section. You can also transpose your data by checking “Transpose Data”.



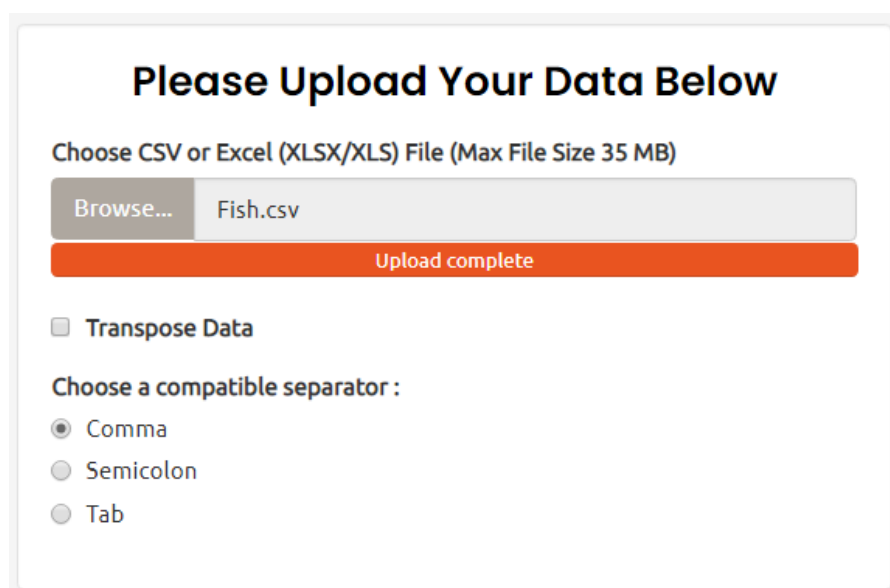
Please Upload Your Data Below

Choose CSV or Excel (XLSX/XLS) File (Max File Size 35 MB)

No file selected

☐ Transpose Data

Note : If you select the data with **csv** format, you need to choose one of the three separators that are available in a selection. Make sure the separator is compatible with the data.



Please Upload Your Data Below

Choose CSV or Excel (XLSX/XLS) File (Max File Size 35 MB)

Fish.csv

Upload complete

☐ Transpose Data

Choose a compatible separator :

☒ Comma

☐ Semicolon

☐ Tab

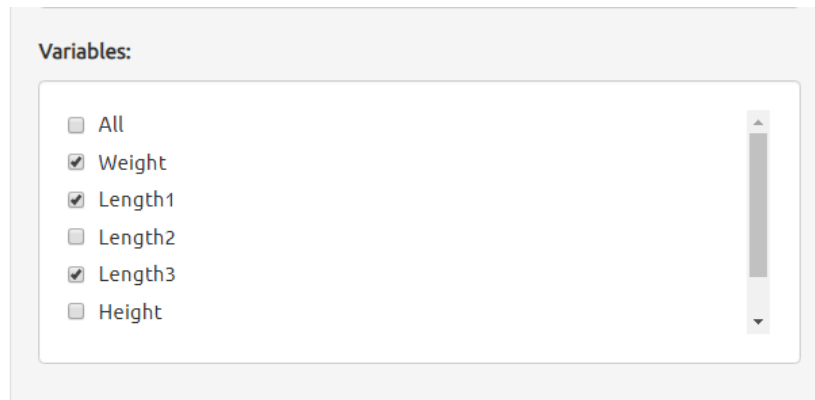
STEP 2: Selecting Variables

1. Select the categorical variable. The variable can be numeric, characters or string.



A screenshot of a web interface showing a dropdown menu labeled "Categorical variable". The dropdown is open, and the word "Species" is selected and displayed within the menu.

2. After selecting categorical variables, you need to select the variables that you want to analyze by checking them in “Variables:” selection.

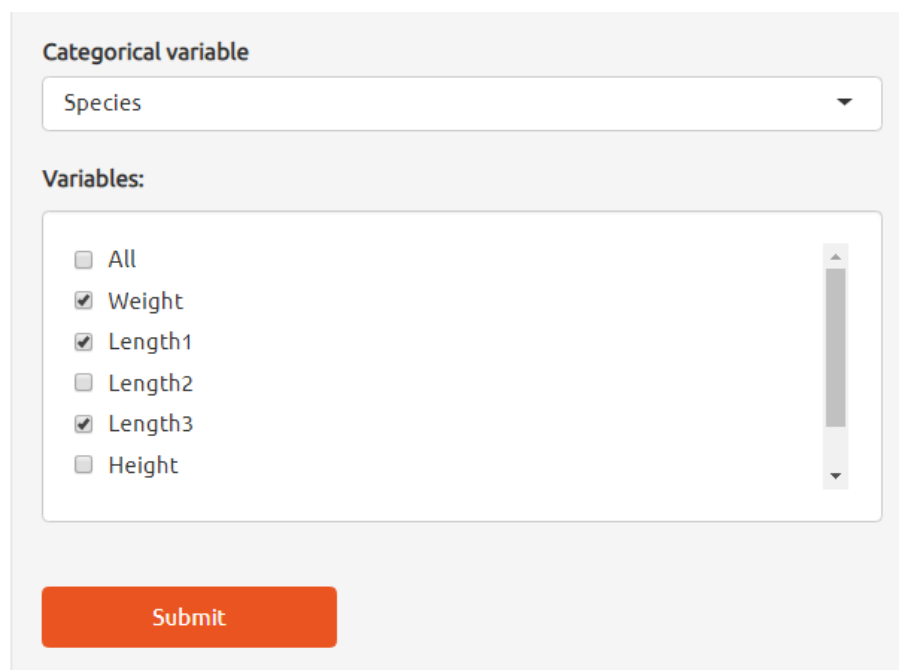


A screenshot of a web interface showing a section titled "Variables:". Below the title is a list of variables with checkboxes: "All", "Weight", "Length1", "Length2", "Length3", and "Height". The checkboxes for "Weight", "Length1", and "Length3" are checked, while "All", "Length2", and "Height" are unchecked. A vertical scrollbar is visible on the right side of the list.

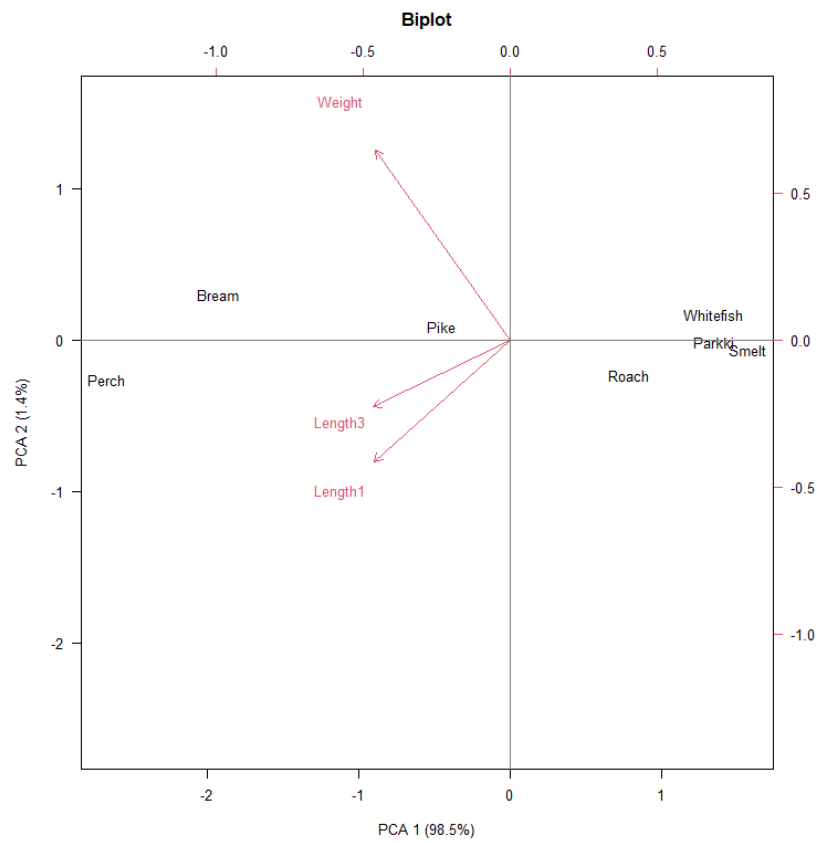
Note : The minimum number of variables that need to be selected is 2.

STEP 3: Submitting Your Selections

1. After selecting the variables, the submit button will be active and you can click it to show the results in “Graphics Result” section.



A screenshot of a web interface showing the final submission step. It includes the "Categorical variable" dropdown set to "Species" and the "Variables:" list with "Weight", "Length1", and "Length3" selected. At the bottom, there is a prominent orange "Submit" button.



STEP 4: Downloading Results

1. The "Download Results" button will appear after the graphic result are shown. Click it to export the result to your device in PDF format.

[Submit](#)[Download Results](#)