

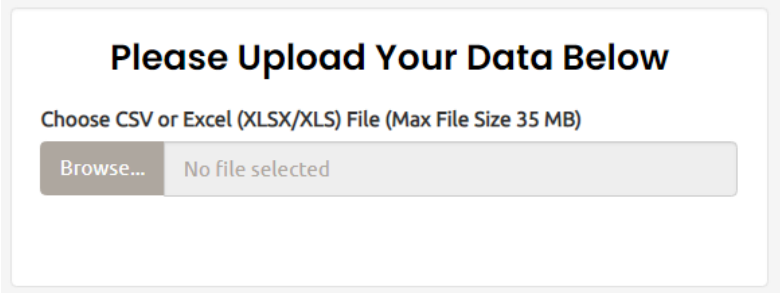
REGRESSION ANALYSIS

Regression is a statistical method used in finance, investing, and other disciplines that attempts to determine the strength and character of the relationship between one dependent variable (usually denoted by Y) and a series of other variables (known as independent variables).

ANALYZING DATA USING REGRESSION

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.

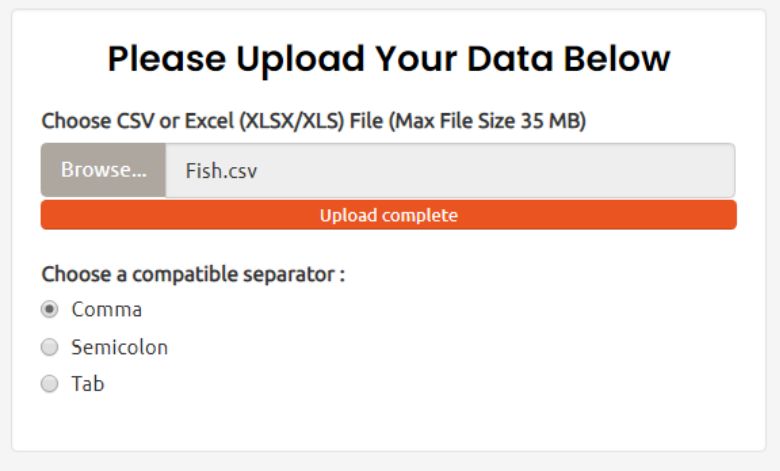


Please Upload Your Data Below

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

Browse... No file selected

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)

Browse... Fish.csv

Upload complete

Choose a compatible separator :

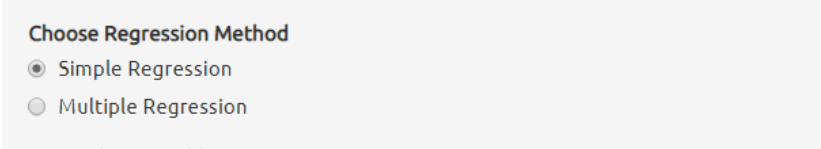
☒ Comma

☐ Semicolon

☐ Tab

STEP 2: Selecting Variables

1. Choose regression method. It can be simple or multiple regression.

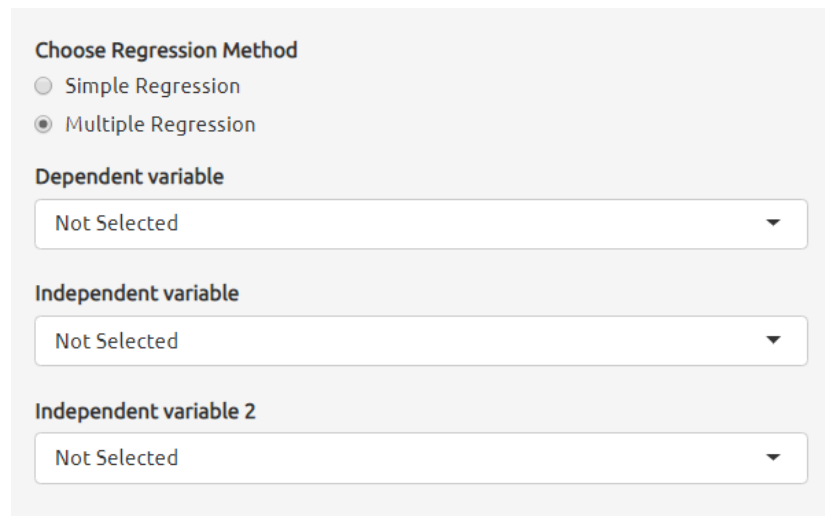


Choose Regression Method

☒ Simple Regression

☐ Multiple Regression

2. After choosing regression method, you need to select the dependent and independent variables. If you choose multiple regression method, you need to select the second independent variable.

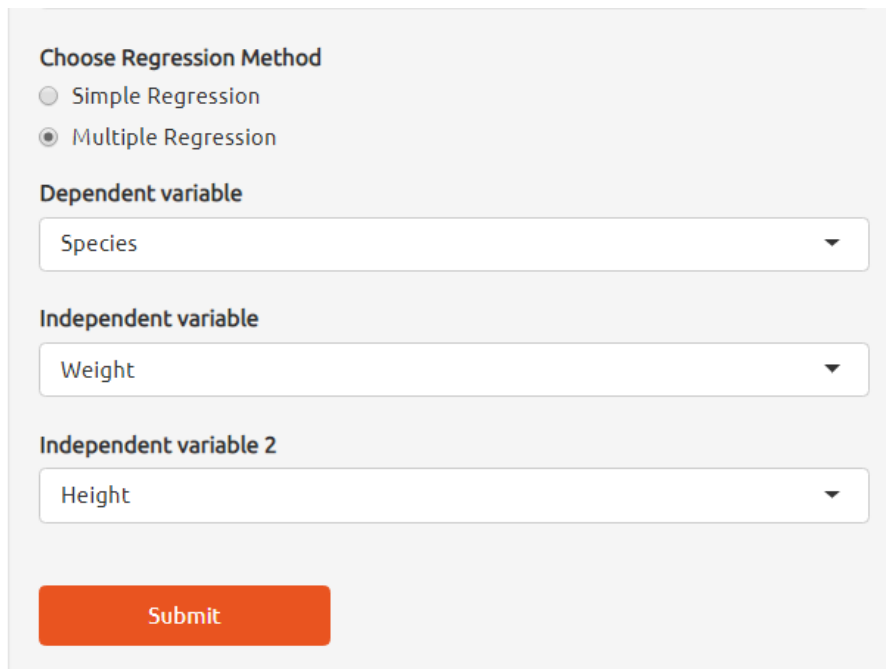


A form titled "Choose Regression Method" with two radio buttons: "Simple Regression" and "Multiple Regression". The "Multiple Regression" option is selected. Below the radio buttons are three dropdown menus labeled "Dependent variable", "Independent variable", and "Independent variable 2". All three dropdown menus currently show "Not Selected".

Note : The variables cannot be the same.

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 “Summary of Regression” section.



A form titled "Choose Regression Method" with two radio buttons: "Simple Regression" and "Multiple Regression". The "Multiple Regression" option is selected. Below the radio buttons are three dropdown menus labeled "Dependent variable", "Independent variable", and "Independent variable 2". The "Dependent variable" dropdown shows "Species", the "Independent variable" dropdown shows "Weight", and the "Independent variable 2" dropdown shows "Height". At the bottom of the form is an orange "Submit" button.

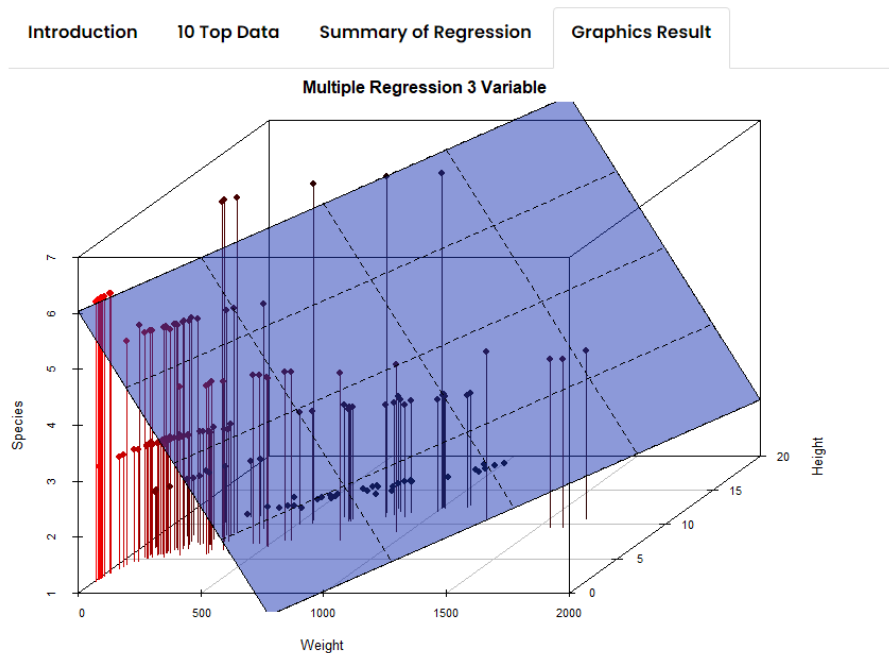
```
Call:
lm(formula = final, data = final)

Residuals:
    Min       1Q   Median       3Q      Max
-2.2118 -0.7522 -0.2024  0.5514  4.1616

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)  6.0333689   0.2150088   28.061 < 2e-16 ***
Weight       0.0019308   0.0003644    5.299 3.91e-07 ***
Height      -0.3944157   0.0304313   -12.961 < 2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 1.13 on 156 degrees of freedom
Multiple R-squared:  0.5657,    Adjusted R-squared:  0.5601
F-statistic: 101.6 on 2 and 156 DF,  p-value: < 2.2e-16
```

2. You can also see the graphic result by clicking on the “Graphics Result” tab.



STEP 4: Downloading Results

1. The “Download Results” button will appear after the summary result are shown. Click it to export the results to your device in PDF format.

