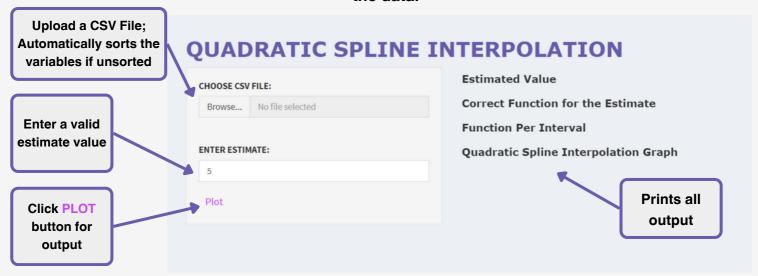
USER'S MANUAL

CMSC 150 FINAL PROJECT

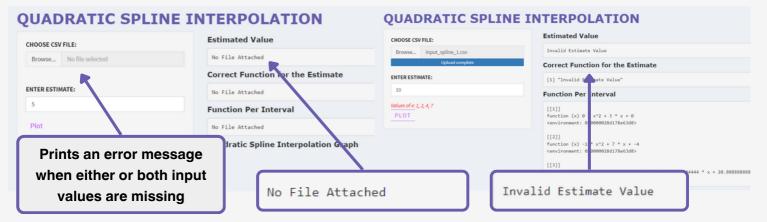
ANARETA, NADINE CMSC 150 - B2L 2022 - 12005

QUADRATIC SPLINE INTERPOLATION

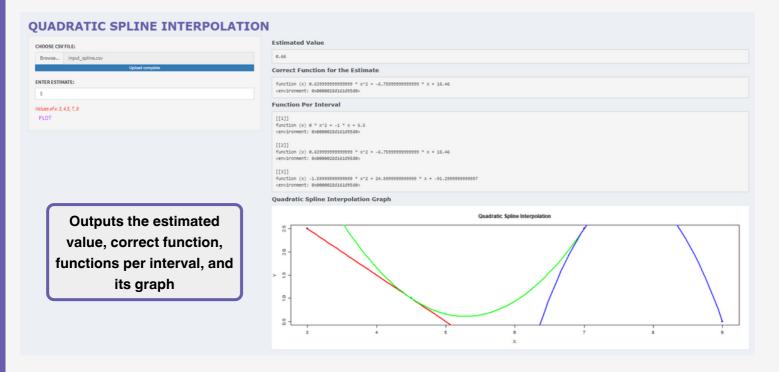
Quadratic Spline Interpolation is a method to curve fit data. Piecewise quadratics approximate the data between two consecutive data points, and fit an interpolating quadratic spline through the data.



Error and Warning Messages

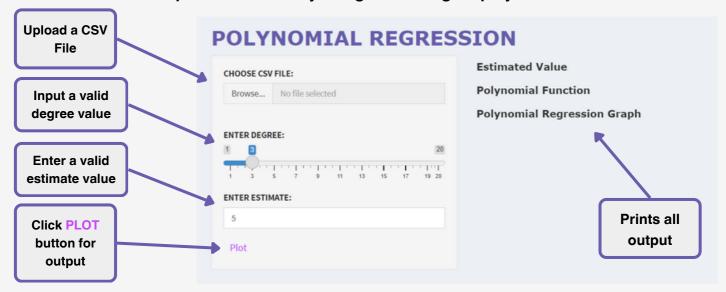


Successful Quadratic Spline Interpolation

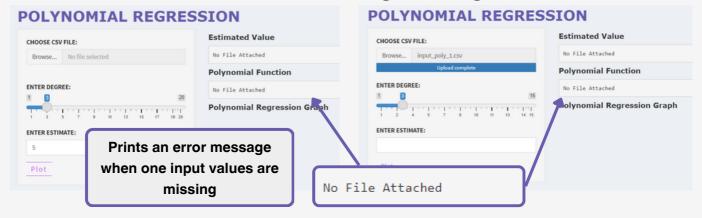


POLYNOMIAL REGRESSION

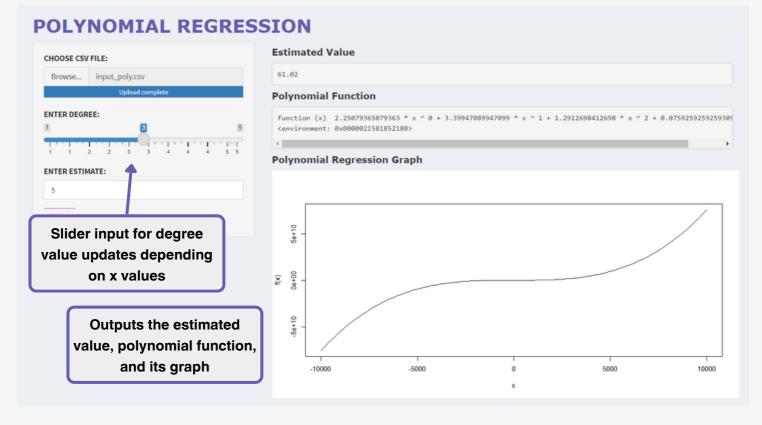
In polynomial regression, it describes the relationship between the independent variable x and the dependent variable y using an nth-degree polynomial in x.



Error and Warning Messages



Successful Polynomial Regression



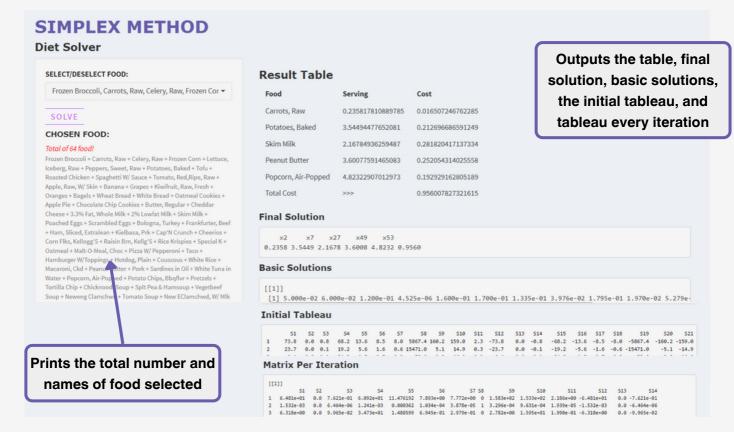
SIMPLEX METHOD FOR MINIMIZATION

One solution to this is by reconstructing our minimization problem to a maximization problem by converting it to a dual problem and using the simplex method that we've discussed before





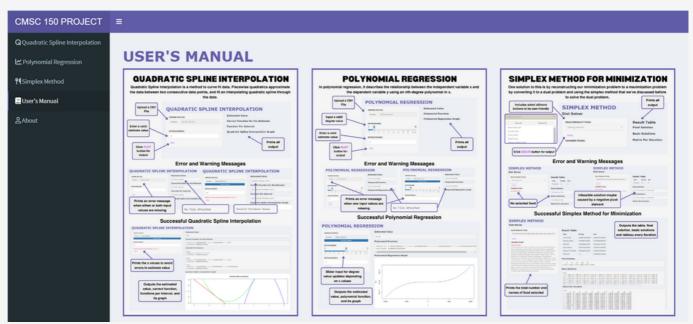
Successful Simplex Method for Minimization



OTHER FEATURES



A sidebar for easy access, the output display can be seen in the body



A copy of the user's manual on the website



Displays about the creator and about the website