PROJECT IN CMSC150

Simplex Implementation

Choose file to upload

Browse... No file selected

Estimate [N]:

5

Show Interpolated Value

Show Interval Equations

Show Final Matrix

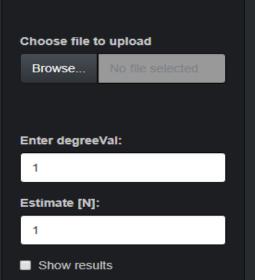
Polynomial Regression

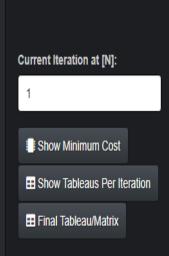
Quadractic Spline Interpolation

Simplex Implementation

W1

W2





DEM:	431.00	332.00	350.00	450.00	400.00	
	SUPPLY	Y W1	W2	W3	W4	W5
P1	1400.00	30.00	29.00	31.00	35.00	33.00
P2	400.0	26.00	24.00	23.00	25.00	27.00
P3	200.00	11.00	13.00	15.00	20.00	17.00

W3

W4

W5

CMSC 150 PROJECT MANUAL

KIRBY M. LEOPARDAS B3L

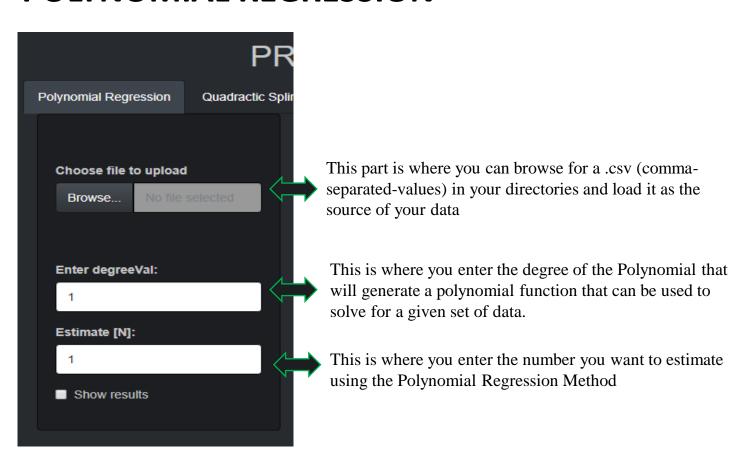
USER'S MANUAL

THE NAVIGATION BAR

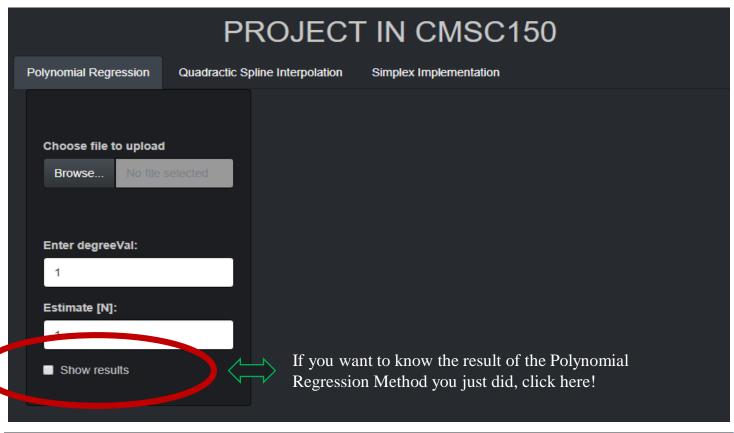


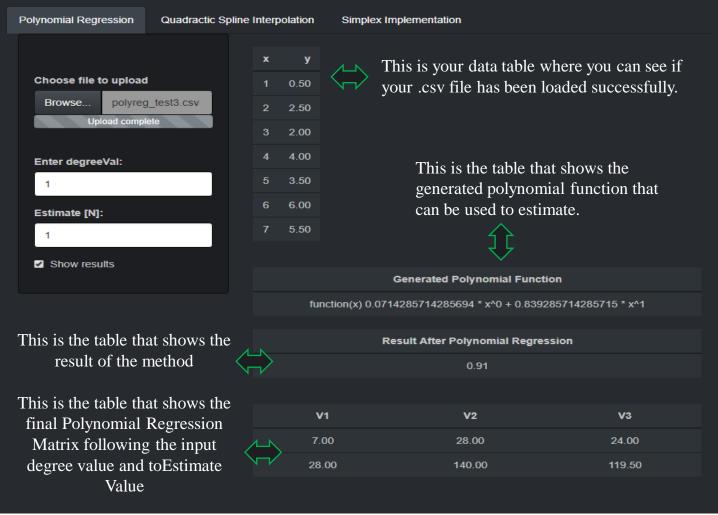
This bar contains the three main parts of this project mainly the Polynomial Regression Generic Solver, Quadratic Spline Interpolation Generic Solver, and lastly, the Simplex Method Solver.

POLYNOMIAL REGRESSION

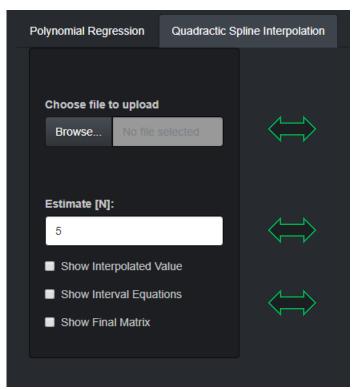


POLYNOMIAL REGRESSION





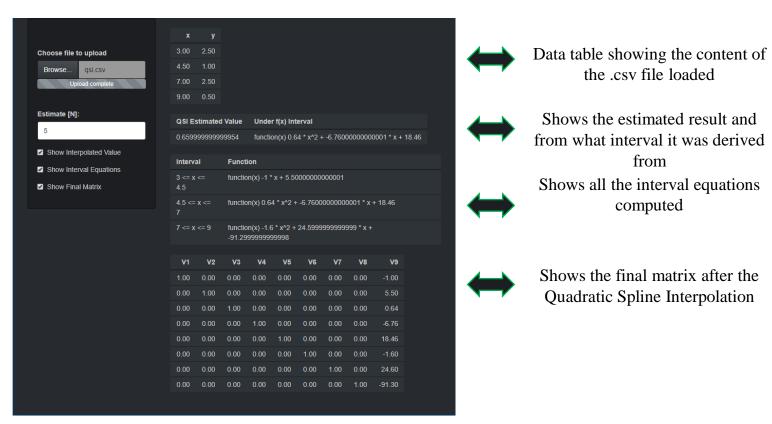
QUADRATIC SPLINE INTERPOLATION



This part is where you can browse for a .csv (commaseparated-values) in your directories and load it as the source of your data

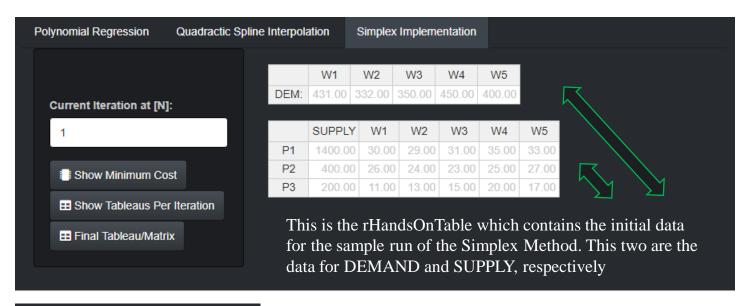
This is where you put the [N] that you want to estimate using the Quadratic Spline Interpolation Method

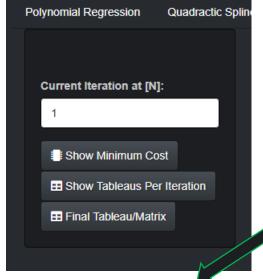
These checkboxes are the ones that will allow you to see the result of the method. You have 3 choices: Show the Interpolated Value, Show the Interval Equations, or Show the final Matrix



This is what it looks like if you checked all the checkboxes. It will shows all the results that came from the QSI method implemented on the back end.

SIMPLEX METHOD

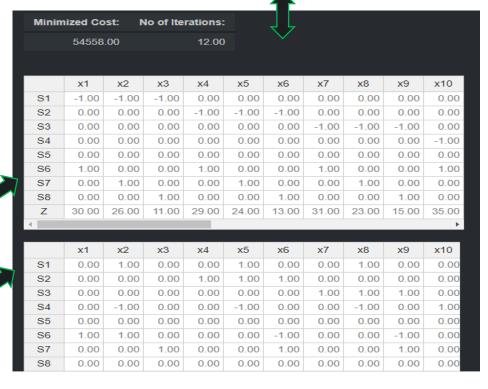




This right here is the table that corresponds to the nth number of iteration of your choice

This is this table which is the final table after implementing the simplex method.

After clicking the Show Minimum Cost Action Button this will show.





Lastly, you can edit the first two tables (DEMAND AND SUPPLY) by clicking it and putting an input of your choice.

Then Click the buttons again to see the changes. That's all for this shinyApp.