Dataset Columns

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What does each column represent

Sure, here is the information converted into a table:

Column	Description
x	sorted interval from 0 to 99 [inclusive]
y	positive and negative from 1 to 99 [inclusive]. We start from 1 to avoid 0 [-y,+y] ex: [-3,3]
random_state	random seed generator from 0 to 99 [inclusive]
sections	random odd number from 3 to 15 [inclusive]
random_mat_row	get the row from random_matrix.csv
x_points	split x interval evenly into sections
y_points	split y interval evenly into sections
rand_vals	section+1 values from random_mat_row
points	zip x_points and y_points
poly_points	change y_points by adding then subtracting a random value from rand_vals to each element in y_points
polynomial	get the polynomial function from poly_points using lagrange interpolation
rand_text	random text samples with length text_size
random_mat	is a random matrix generated in random_matrix.py file