

1. Using the documentation for Recursive Feature Selection, apply this process to the crime dataset to create the best model
https://scikit-learn.org/stable/modules/generated/sklearn.feature_selection.RFE.html .
Since this dataset is so small, you do not need to perform a train-test split. You can select what you're trying to predict. Be sure to explain what RFE is in the markdown.
2. Create a function called `digital_root` that takes in an integer. Digital root is the recursive sum of all the digits in a number.

Given n , take the sum of the digits of n . If that value has more than one digit, continue reducing in this way until a single-digit number is produced. The input will be a non-negative integer.

Examples:

16 --> $1 + 6 = 7$

942 --> $9 + 4 + 2 = 15$ --> $1 + 5 = 6$

132189 --> $1 + 3 + 2 + 1 + 8 + 9 = 24$ --> $2 + 4 = 6$

493193 --> $4 + 9 + 3 + 1 + 9 + 3 = 29$ --> $2 + 9 = 11$