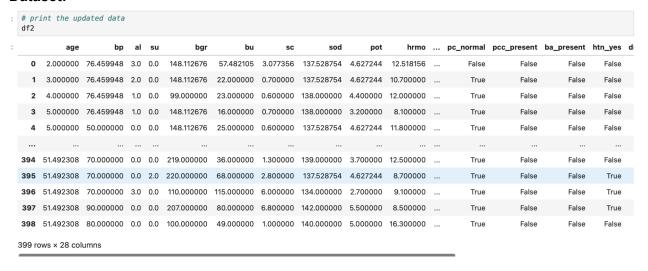
K- Algorithm Assignments

Dataset:

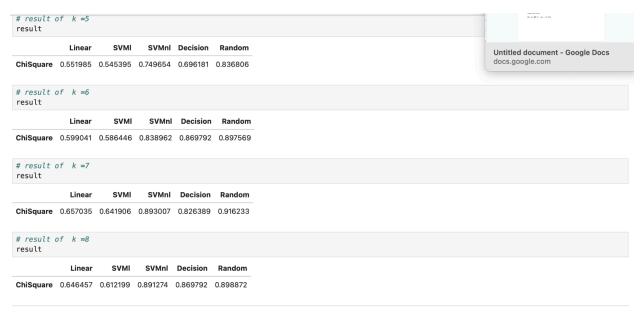


Classification result:



Here, the accuracy of all the algorithms increases and the accuracy of random forest value remains same when we choose 7 features ['al', 'bgr', 'bu', 'sc', 'hrmo', 'pcv', 'wc']

Regression result:



Here , the accuracy of all the algorithms increases but few of the algorithms value decreases so we can't choose 8 features

Here , the accuracy of all the algorithms increases and the accuracy of decision tree value remains same when we choose 7 features (['al', 'bgr', 'bu', 'sc', 'hrmo', 'pcv', 'wc'])

In conclusion, the accuracy of all the algorithms got increases when we chooses the below 7 features ['al', 'bgr', 'bu', 'sc', 'hrmo', 'pcv', 'wc'] in both regression and classification models

In regression, Random Forest gives best accuracy than the other regression models

In classification, Decision Tree gives best accuracy than the other classification models