

## B-1 & B2

index. I did reset the index values and added gender values as a new column.

param\_grid RFC dict

table1 - DataFrame

	Index 0	Index 1	0	1	2	3
Index 0		NACCAGEB	(42.999, 74.0]	(42.999, 74.0]	(74.0, 96.0]	(74.0, 96.0]
Index 1	SEX	NACCFAM	0	1	0	1
0	1	(964.633, 1360.472]	0.55	0.909091	1.13793	0.95
1	1	(1360.472, 1805.93]	0.761194	0.774011	0.957895	1.01575
2	2	(964.633, 1360.472]	0.462366	0.495327	0.817391	0.854167
3	2	(1360.472, 1805.93]	0.425532	0.260417	0.909091	0.457143

Format Resize ☒ Background color ☒ Column min/max Save and Close Close

table2 - DataFrame

	Index 0	Index 1	0	1	2	3
Index 0		GRAYVOL	(373.696, 572.406]	(373.696, 572.406]	(572.406, 798.21]	(572.406, 798.21]
Index 1	SEX	HXHYPER	0	1	0	1
0	1	(697.028, 1004.256]	1.03333	1.29213	0.888889	0.827586
1	1	(1004.256, 1401.835]	0.916667	0.956522	0.704545	0.837321
2	2	(697.028, 1004.256]	0.75	0.805195	0.296296	0.428571
3	2	(1004.256, 1401.835]	0.133333	0.52381	0.218978	0.347826

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Index 1	SEX	HXHYPER	0	1	0	1
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Format Resize ☒ Background color ☒ Column min/max Save and Close Close

D

```
Console 1/A X
2):

In [4]: runcell(3, 'C:/Users/asus/Desktop/CEV
Out[4]:
CDRGLOB      1.000000
INDEPEND      0.693881
APA           0.448558
LLATVENT      0.414033
RLATVENT      0.406806
...
RHIPPO       -0.424068
LHIPPO       -0.442185
LENTM        -0.453646
RENTM        -0.478207
NACCMSE      -0.746660
Name: CDRGLOB, Length: 186, dtype: float64

In [5]:
```

F

```
Console 1/A X
0.4551733 0.4551733 0.4551733 0.4551733 0.4551733 0.4551733
0.4551733 0.4551733 0.4551733 0.4551733 0.4551733 0.4551733 ]
warnings.warn(
RFC Best Score 0.612801312597092
Testing RFC on Test dataset = 0.696165191740413
      precision    recall  f1-score   support

     0       0.80       0.91       0.85        184
     1       0.53       0.64       0.58        108
     2       0.00       0.00       0.00         39
     3       0.00       0.00       0.00          8

 accuracy          0.70        339
 macro avg         0.33        339
 weighted avg      0.60        339
```