Team ID	PNT2022TMID52708
Project Name	Early Detection of Chronic Kidney Disease using Machine Learning

Undersatanding Data type and summary of Features

{'blood_glucose_random', 'blood_pressure', 'age', 'blood_urea', 'potassium', 'hemoglobin', 'sodium', 'serum_creatinine'}

In [14]:
```
contcols.add('red_blood_cell_count')
contcols.add('white_blood_cell_count')
contcols.add('packed_cell_volume')
print(contcols)
```

```
{'blood_glucose_random', 'blood_pressure', 'age', 'packed_cell_volume', 'blood_urea', 'potassium', 'hemoglobin', 'red_blood_cel
l_count', 'white_blood_cell_count', 'sodium', 'serum_creatinine'}
```

In [15]:
```
catcols.add('specific_gravity')
catcols.add('sugar')
catcols.add('albumin')
print(catcols)
```

```
{'anemia', 'pus_cell', 'red_blood_cells', 'albumin', 'appetite', 'diabetes_mellitus', 'sugar', 'coronary_artery_disease', 'peda
l_edema', 'class', 'bacteria', 'pus_cell_clumps', 'specific_gravity', 'hypertension'}
```

In [16]:
```
data['coronary_artery_disease']=data.coronary_artery_disease.replace('\tno','no')
c(data['coronary_artery_disease'])
```

Out[16]:
```
Counter({'no': 364, 'yes': 34, nan: 2})
```

In [17]:
```
data['diabetes_mellitus']=data.diabetes_mellitus.replace(to_replace={'\tno':'no','\tyes':'yes',' yes':'yes'})
c(data['diabetes_mellitus'])
```

Out[17]:
```
Counter({'yes': 137, 'no': 261, nan: 2})
```