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| --- | --- | --- |
| 1. Discretization of Data using Weka | | |
|  |  |  |
| 19MID0020 | | |

# Data-Set Creation using Editor

Graphical user interface, text, application

Description automatically generated

# Opening the created Data-Set using Weka

Graphical user interface, application

Description automatically generated

# Before Discretization (No Bins Added)

Graphical user interface

Description automatically generated

Graphical user interface, text, application

Description automatically generated

# After Discretization (4 Bins Added)

No. of. Bins: 4  
Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Accuracy: 33.333%

Accuracy varies when we change the split percentages.

|  |  |  |
| --- | --- | --- |
| Split % | Before Discretization | After Discretization |
| 70% | 33.33% | 33.33% |
| 50% | 40% | 40% |

# Prima Diabetes Data-Set

Graphical user interface, text

Description automatically generated

# Before Discretization (No bins added)

Graphical user interface, application

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Accuracy: 76.52%

# After Before Discretization (5 bins added)

## Graphical user interface, application Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Accuracy: 75.65%

Accuracy varies when we change the split percentages.

|  |  |  |
| --- | --- | --- |
| Split % | Before Discretization | After Discretization |
| 70% | 76.52% | 75.65% |
| 50% | 74.21% | 71.35% |