- 1- "Discretize" used equal-width binning method to discretize attribute values.
- 2- Since equal-width partitioning divides the rangeinto intervals of equal size, the distribution was not affected too much. The distincness was decreased from 17 to 10 since range was divided into 10.

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3- a) Interval = (Max. value – Min. value)/bin size = (34-4)/3 = 10
Bin 1: 4, 8, 9 (values in interval (-inf,14])
Bin 2: 15, 21, 21, 24 (values in interval (14,24])
Bin 3: 25, 26, 28, 29, 34 (values in interval (24,34])
```

b) We will divide range into intervals that contain equal numbers of value.

Bin 1: 4, 8, 9, 15 Bin 2: 21, 21, 24, 25 Bin 3: 26, 28, 29, 34

4- Equal-width binning method is used for discretization about equal weights. On the other hand, equal-depth binning method is used for discretization about equal frequencies. If I'm looking for anomalies, I can use equal-width method since outliers are also in presentation of discretization. For data scaling, equal-depth method is more useful.