Binning Examples

	Attribute 1
Record 1	112
Record 2	250
Record 3	100
Record 4	160
Record 5	40
Record 6	60

Equal Frequency Binning

Divide into 3 bins by Equal Frequency binning on Attribute 1

- 6 instances, so 2 per bin; smallest 2 go in bin 1, next 2 in bin 2, largest 2 in bin 3

	Attribute 1	Bin
Record 1	112	Bin 2
Record 2	250	Bin 3
Record 3	100	Bin 2
Record 4	160	Bin 3
Record 5	40	Bin 1
Record 6	60	Bin 1

Equal width binning

Divide into 3 bins by Equal Width binning on Attribute 1

Range = 250 – 40 = 210

Bin width = 210 / 3 = 70

Boundaries are 40 ; 40+70 = 110 ; 110+70 = 180 ; 180+70 = 250

Bin 1 = 40 to 110   Bin 2 = 111-180 Bin 3 = 181-250

	Attribute 1	Bin
Record 1	112	Bin 2
Record 2	250	Bin 3
Record 3	100	Bin 1
Record 4	160	Bin 2
Record 5	40	Bin 1
Record 6	60	Bin 1