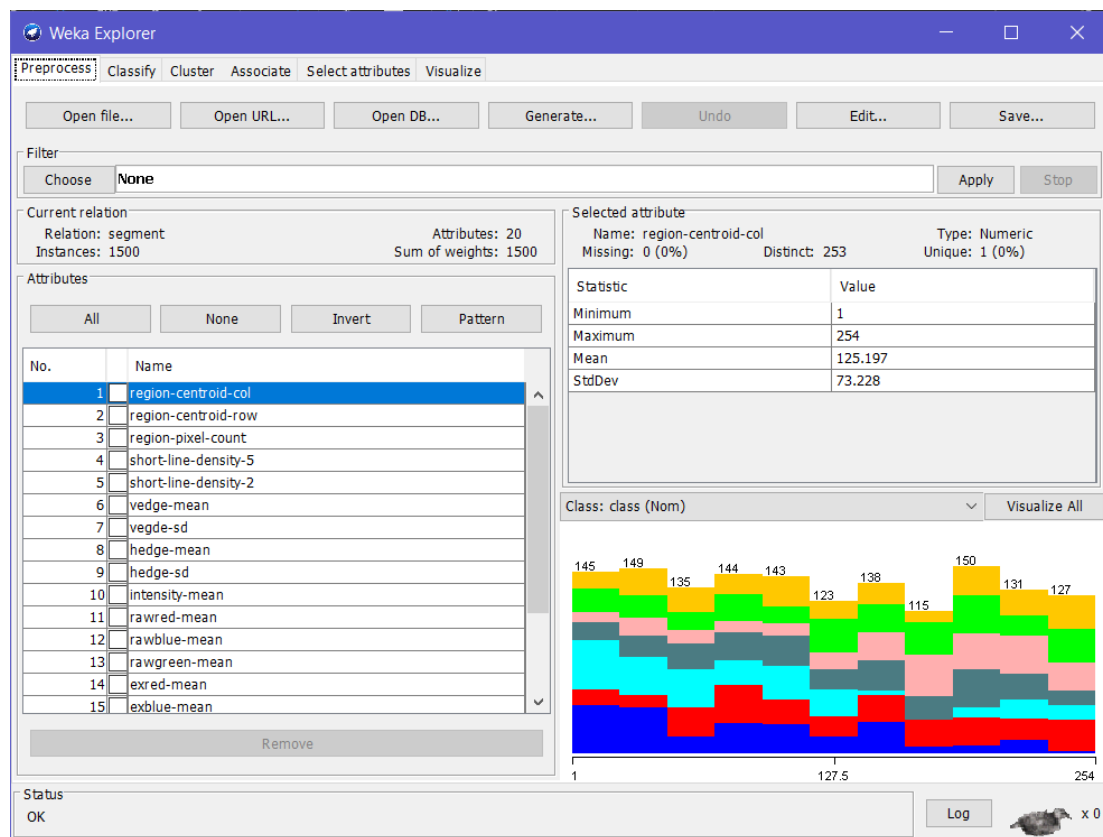


EXPERIMENT 8

Aim: To use Numeric Transform filter and floor function to obtain the precision up to same value.

Steps to be followed:

1. Open segment-challenge.arff in the explorer in weka.



2. Then select the choose option after opening the file.
3. Perform the following.
4. Choose->filters->unsupervised->attribute->Numeric transform method
5. Click and fill the index of the column whose values are to be rounded off.
6. Apply these changes to all the columns by selecting all the click apply.
7. Click Edit to see the Viewer as shown.

Viewer

Relation: segment-weka.filters.unsupervised.attribute.NumericTransform-R1,2,3-Cjava.lang.Math-Mabs-weka.filters.unsupervised.attribute.NumericTransform-R1,2,3-Cjava.lang.Math-Mabs

No.	1: region-centroid-col Numeric	2: region-centroid-row	3: region-pixel-count	4: short-line-density-5	5: short-line-density-2	6: vedge-mean Numeric	7: vedge-sd Numeric	8: hedge-mean Numeric	9: hedge-sd Numeric	10: intensity-mean Numeric	11: rawred-m Numeric
1	122.0	11.0	9.0	0.0	0.0	1.0	0.311116	2.88889	5.05185	143.444	136.4
2	122.0	11.0	9.0	0.0	0.0	1.0	0.311116	2.88889	5.05185	143.444	136.4
3	209.0	11.0	9.0	0.0	0.0	0.833333	0.255559	2.16667	3.85555	141.556	135.2
4	186.0	12.0	9.0	0.0	0.0	0.444444	0.272165	2.33333	1.96638	6.25926	3.88
5	204.0	12.0	9.0	0.0	0.0	0.777777	0.518519	1.77778	0.785183	127.444	115.2
6	18.0	13.0	9.0	0.0	0.0	0.888891	0.207407	1.11111	0.162961	140.259	134.2
7	63.0	13.0	9.0	0.0	0.0	0.611115	0.196294	1.16667	1.01111	132.259	122.2
8	63.0	13.0	9.0	0.0	0.0	1.16667	1.01112	0.944445	0.685187	141.815	137.2
9	94.0	13.0	9.0	0.0	0.0	1.05555	0.507406	1.66666	1.24444	141.593	134.2
10	96.0	13.0	9.0	0.0	0.0	0.833331	0.47778	0.555557	0.207406	131.778	122.2
11	168.0	13.0	9.0	0.111111	0.0	1.33333	0.444445	1.33333	0.400002	130.407	119.2
12	200.0	13.0	9.0	0.0	0.0	1.77778	1.85792	0.277778	0.250924	9.2963	6.11
13	231.0	13.0	9.0	0.0	0.0	1.27778	0.574135	1.0	1.05409	118.667	106.2
14	248.0	13.0	9.0	0.0	0.0	0.777779	0.207408	1.11111	0.296294	104.111	88.2
15	162.0	14.0	9.0	0.0	0.0	0.944445	0.53403	0.611113	0.712327	112.741	95.2
16	175.0	14.0	9.0	0.0	0.0	0.888888	0.807371	1.22222	0.779361	113.815	100.2
17	213.0	14.0	9.0	0.0	0.0	1.05556	0.574134	1.66667	1.33333	117.0	104.2
18	24.0	15.0	9.0	0.0	0.0	0.833335	0.691214	1.11111	0.54433	70.0741	6.2
19	51.0	15.0	9.0	0.0	0.0	0.722226	0.285185	1.22222	0.785184	132.222	12.2
20	128.0	15.0	9.0	0.0	0.0	0.77778	0.272168	0.555556	0.620632	129.259	118.2
21	171.0	15.0	9.0	0.0	0.0	0.666668	0.557772	0.666668	0.699205	113.741	100.2
22	181.0	15.0	9.0	0.0	0.0	0.833336	0.211111	1.44444	1.22963	140.296	133.2
23	216.0	15.0	9.0	0.0	0.0	0.888891	0.340743	1.22223	0.518519	106.519	90.8
24	139.0	16.0	9.0	0.0	0.0	0.666667	0.355559	0.944448	0.062963	140.407	134.2
25	140.0	16.0	9.0	0.0	0.0	0.5	0.344443	0.888891	0.385184	111.815	99.2
26	240.0	16.0	9.0	0.0	0.0	0.444444	0.162962	1.66667	1.15555	102.519	87.5
27	40.0	17.0	9.0	0.0	0.0	1.27778	0.95258	1.44445	1.10889	70.5185	62.4
28	69.0	17.0	9.0	0.0	0.0	0.611112	0.107405	0.666667	0.311108	130.296	120.2
29	120.0	17.0	9.0	0.0	0.0	1.38889	0.551851	1.88889	1.14073	129.556	118.2
30	141.0	17.0	9.0	0.111111	0.222222	3.72222	4.4493	5.0	2.319	44.5926	40.3
31	216.0	17.0	9.0	0.0	0.0	0.666665	0.5164	1.27778	1.02017	126.148	11.2
32	29.0	18.0	9.0	0.222222	0.0	0.777777	0.807372	1.72222	1.28956	68.2963	5.2
33	245.0	18.0	9.0	0.0	0.0	1.0	1.02222	1.16667	0.211111	137.889	131.2
34	58.0	19.0	9.0	0.0	0.0	1.61111	0.418515	1.5	1.27777	129.926	12.2
35	63.0	19.0	9.0	0.0	0.0	2.44444	1.18634	1.44444	0.886106	45.1852	3.2
36	64.0	19.0	9.0	0.0	0.0	0.944445	0.151853	1.66667	0.31111	137.778	131.2

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Conclusion:

By using Numeric transform filter and floor method, require values have been obtained.