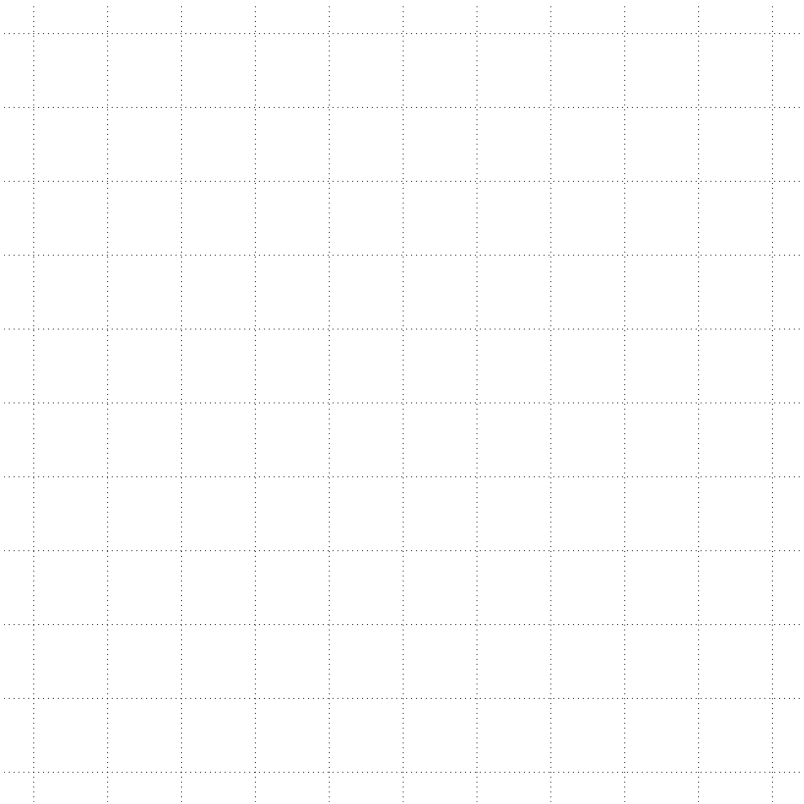


1. **Problem:**

Please make a *relative-frequency table* and a *relative-frequency histogram* from the following (sorted) continuous data by using the supplied classes.

748.03	749.58	754.93	755.18	755.25	756.53	757.48	757.66	758.04	758.2
759.02	759.3	760.5	763.71	764.59	765.81	773.18	773.18	776.04	776.9
777.55	777.85	780.4	780.76	782.83	784.96	785.45	790.3	791.21	800.87
801.41	802.96								

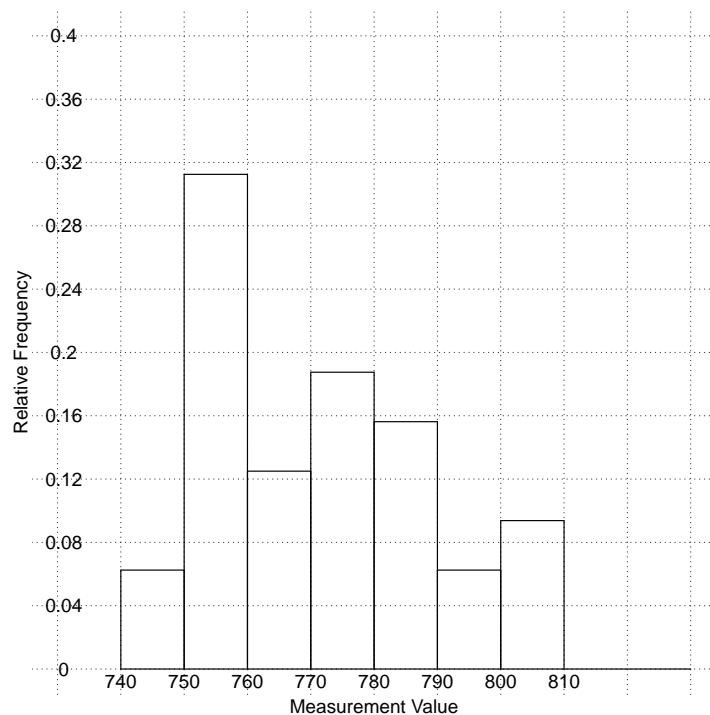
class	frequency	relative frequency
740 - 750		
750 - 760		
760 - 770		
770 - 780		
780 - 790		
790 - 800		
800 - 810		



Solution: Make the relative-frequency table.

class	frequency	relative frequency
740 - 750	2	0.0625
750 - 760	10	0.312
760 - 770	4	0.125
770 - 780	6	0.188
780 - 790	5	0.156
790 - 800	2	0.0625
800 - 810	3	0.0938

Make the relative-frequency histogram.

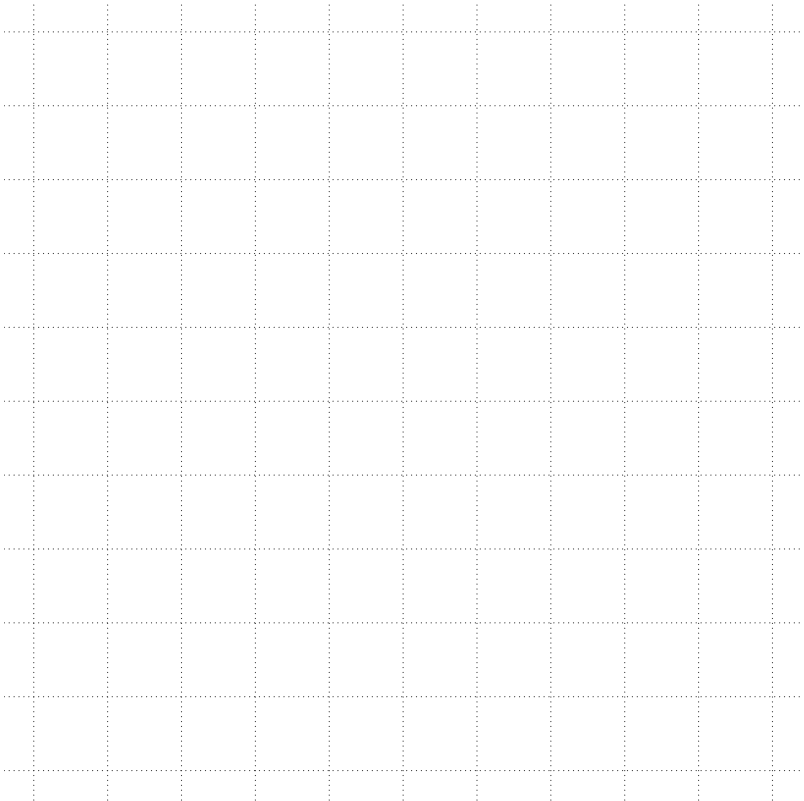


2. **Problem:**

Please make a *relative-frequency table* and a *relative-frequency histogram* from the following (sorted) continuous data by using the supplied classes.

183.74	188.26	188.74	188.82	190.66	191.2	193	194.46	195.14	195.84
196.03	197.6	198.75	198.76	198.94	199.31	199.39	200.89	201.43	202.44
203.58	204.25	204.75	206.56	208	208.73	209.97			

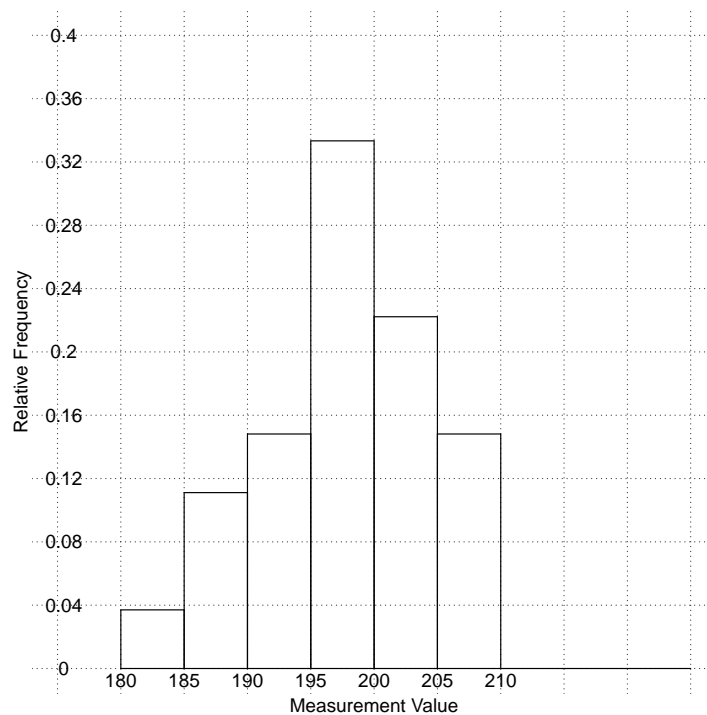
class	frequency	relative frequency
180 - 185		
185 - 190		
190 - 195		
195 - 200		
200 - 205		
205 - 210		



Solution: Make the relative-frequency table.

class	frequency	relative frequency
180 - 185	1	0.037
185 - 190	3	0.111
190 - 195	4	0.148
195 - 200	9	0.333
200 - 205	6	0.222
205 - 210	4	0.148

Make the relative-frequency histogram.

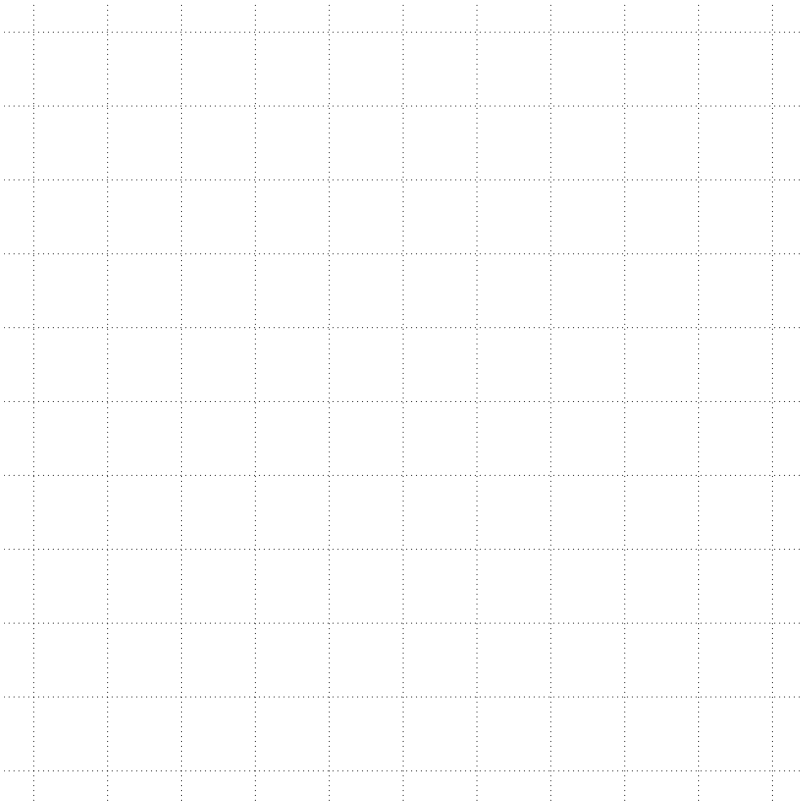


3. **Problem:**

Please make a *relative-frequency table* and a *relative-frequency histogram* from the following (sorted) continuous data by using the supplied classes.

402.95	403.23	405.83	407.96	409.39	412.45	417.44	418.51	421.11	424.44
427.32	428.06	428.16	443.12	454.6	458.62	463.46	464.52	464.97	

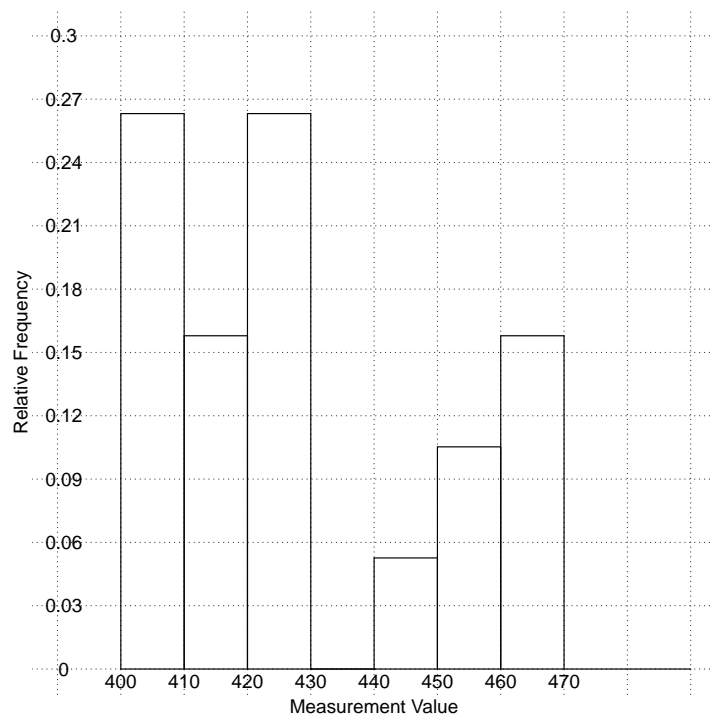
class	frequency	relative frequency
400 - 410		
410 - 420		
420 - 430		
430 - 440		
440 - 450		
450 - 460		
460 - 470		



Solution: Make the relative-frequency table.

class	frequency	relative frequency
400 - 410	5	0.263
410 - 420	3	0.158
420 - 430	5	0.263
430 - 440	0	0
440 - 450	1	0.0526
450 - 460	2	0.105
460 - 470	3	0.158

Make the relative-frequency histogram.

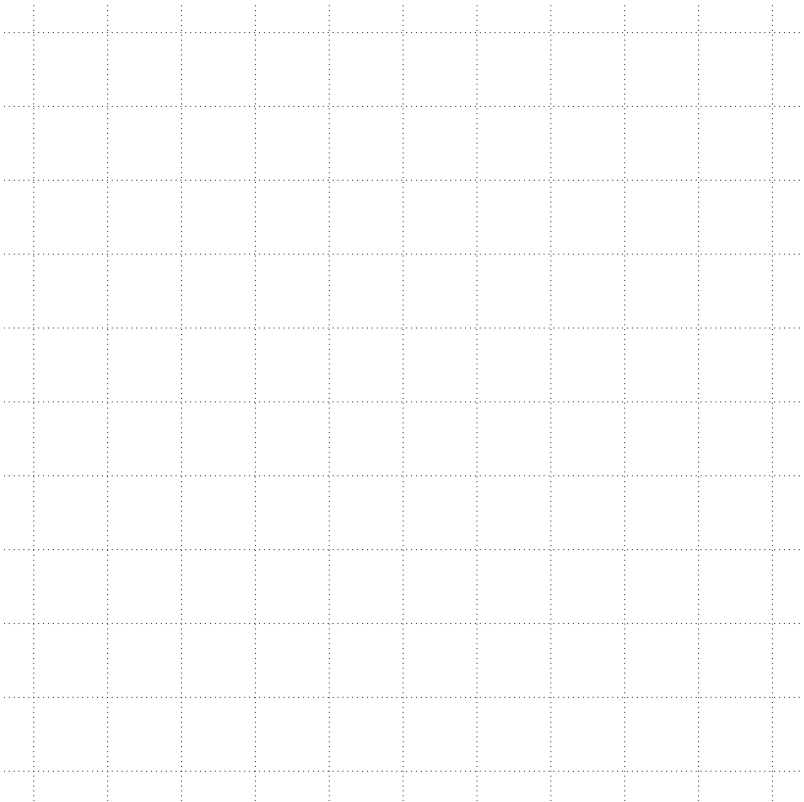


4. **Problem:**

Please make a *relative-frequency table* and a *relative-frequency histogram* from the following (sorted) continuous data by using the supplied classes.

286.38	286.8	287.74	290.06	294.85	295.3	296.2	298.69	299.25	300.84
301.15	301.62	305.16							

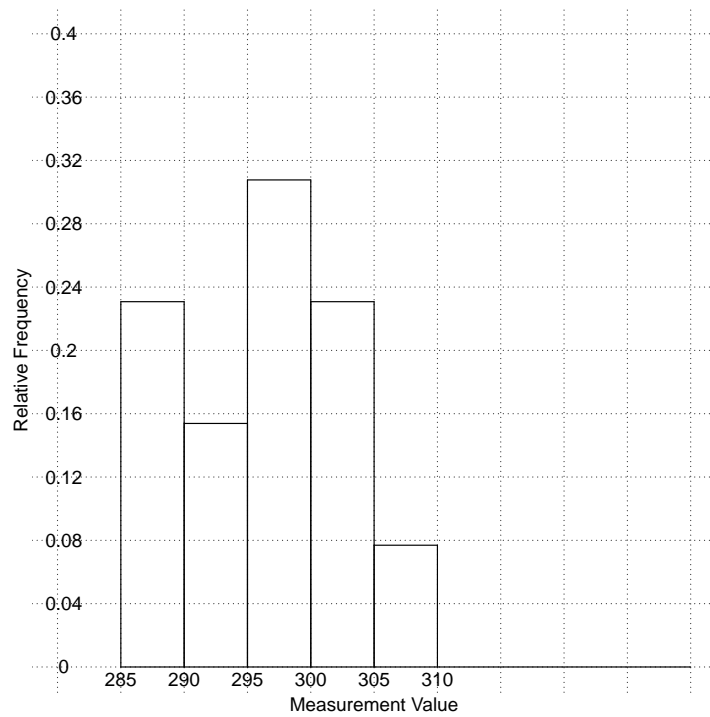
class	frequency	relative frequency
285 - 290		
290 - 295		
295 - 300		
300 - 305		
305 - 310		



Solution: Make the relative-frequency table.

class	frequency	relative frequency
285 - 290	3	0.231
290 - 295	2	0.154
295 - 300	4	0.308
300 - 305	3	0.231
305 - 310	1	0.0769

Make the relative-frequency histogram.

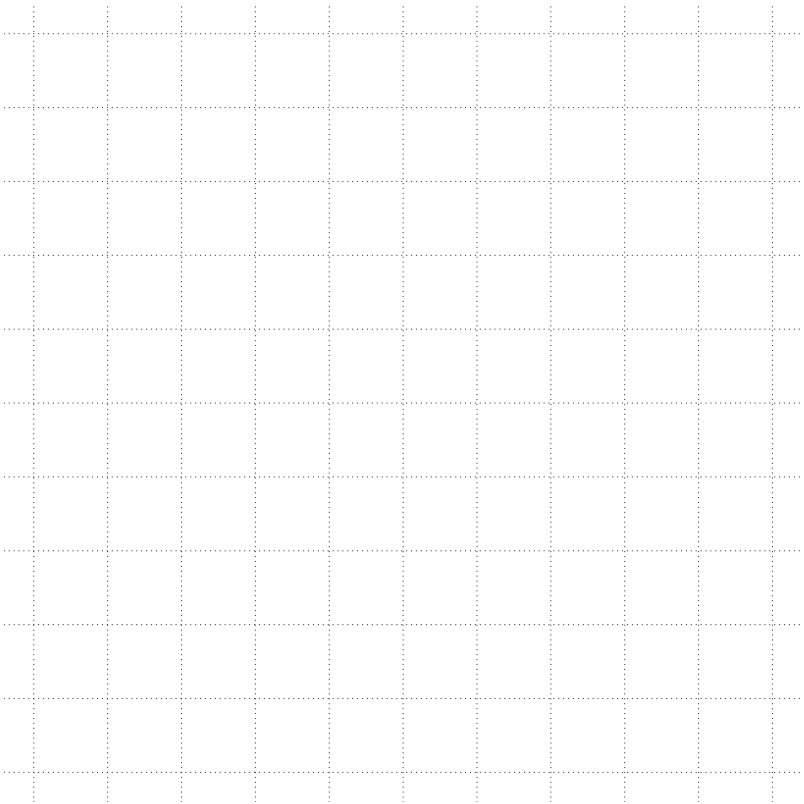


5. **Problem:**

Please make a density table and a density histogram from the following (unsorted) continuous data, using the supplied classes.

257.65	258.21	263.47	266.17	266.88	268.76	268.86	269.94	272.48	274.82
275.57	277.91	279.57	281.34	281.68	283.21	283.9	284.29	284.56	286.62
287									

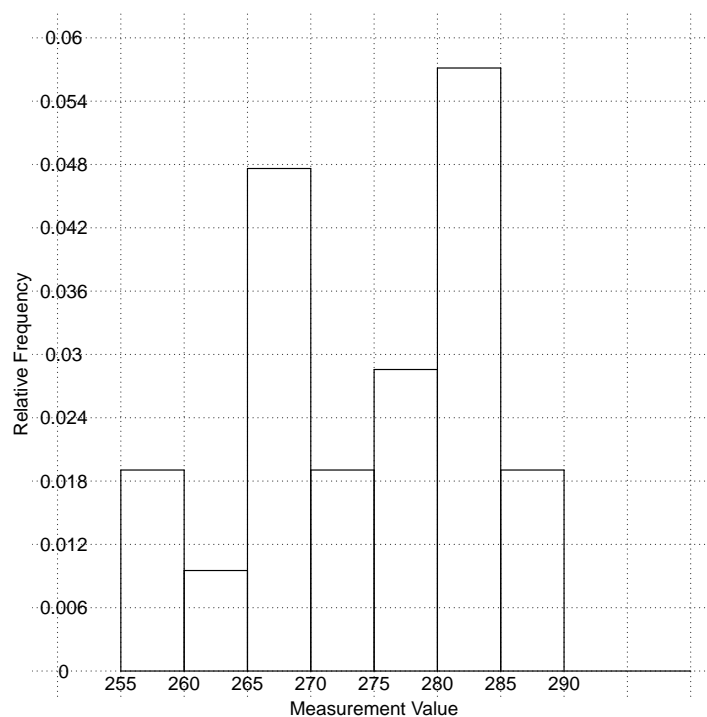
class	frequency	relative frequency	density
255 - 260			
260 - 265			
265 - 270			
270 - 275			
275 - 280			
280 - 285			
285 - 290			



Solution: Make the density table. Density is (relative frequency)/(width of class).

class	frequency	relative frequency	density
255 - 260	2	0.0952	0.019
260 - 265	1	0.0476	0.00952
265 - 270	5	0.238	0.0476
270 - 275	2	0.0952	0.019
275 - 280	3	0.143	0.0286
280 - 285	6	0.286	0.0571
285 - 290	2	0.0952	0.019

Make the density histogram.

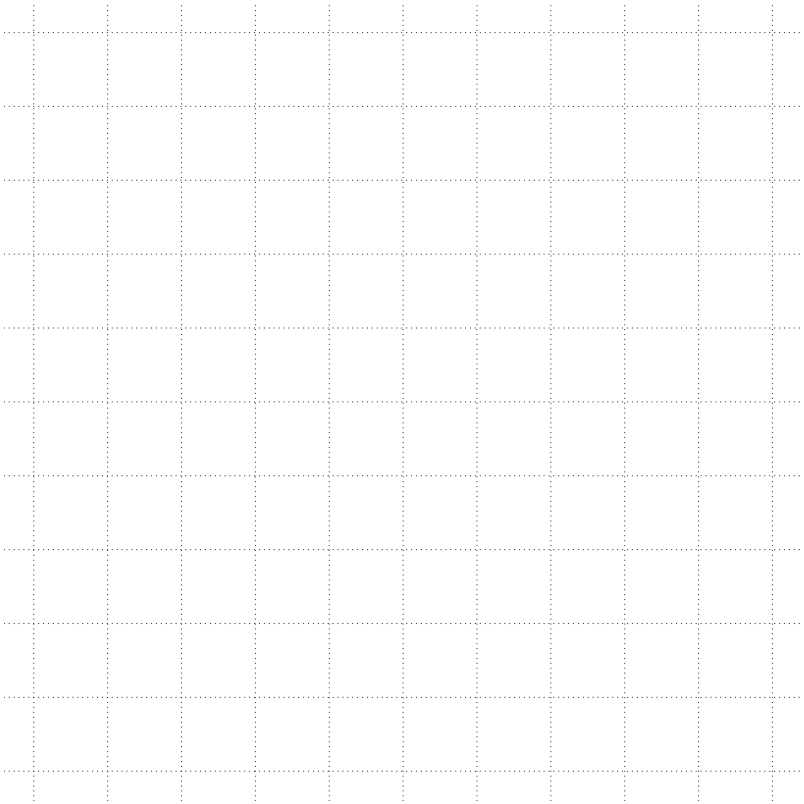


6. **Problem:**

Please make a density table and a density histogram from the following (unsorted) continuous data, using the supplied classes.

530.87	531.61	534.96	535.28	535.43	536.15	536.46	539.3	540.98	541.03
541.04	541.13	543.27	545.08	546.87	549.93	550.88	552.13	552.22	553.49
554.35	555.76	558.49	559.8	561.06	562.79	568.2			

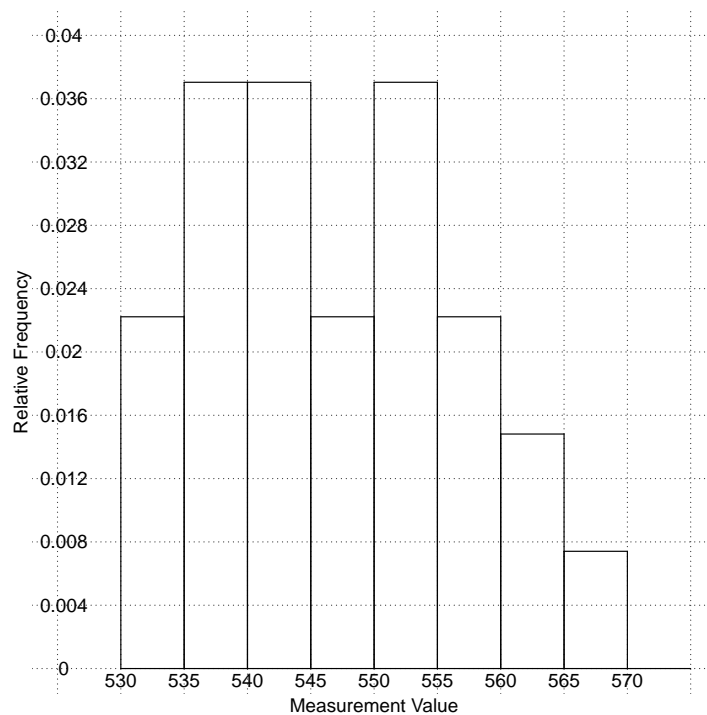
class	frequency	relative frequency	density
530 - 535			
535 - 540			
540 - 545			
545 - 550			
550 - 555			
555 - 560			
560 - 565			
565 - 570			



Solution: Make the density table. Density is (relative frequency)/(width of class).

class	frequency	relative frequency	density
530 - 535	3	0.111	0.0222
535 - 540	5	0.185	0.037
540 - 545	5	0.185	0.037
545 - 550	3	0.111	0.0222
550 - 555	5	0.185	0.037
555 - 560	3	0.111	0.0222
560 - 565	2	0.0741	0.0148
565 - 570	1	0.037	0.00741

Make the density histogram.

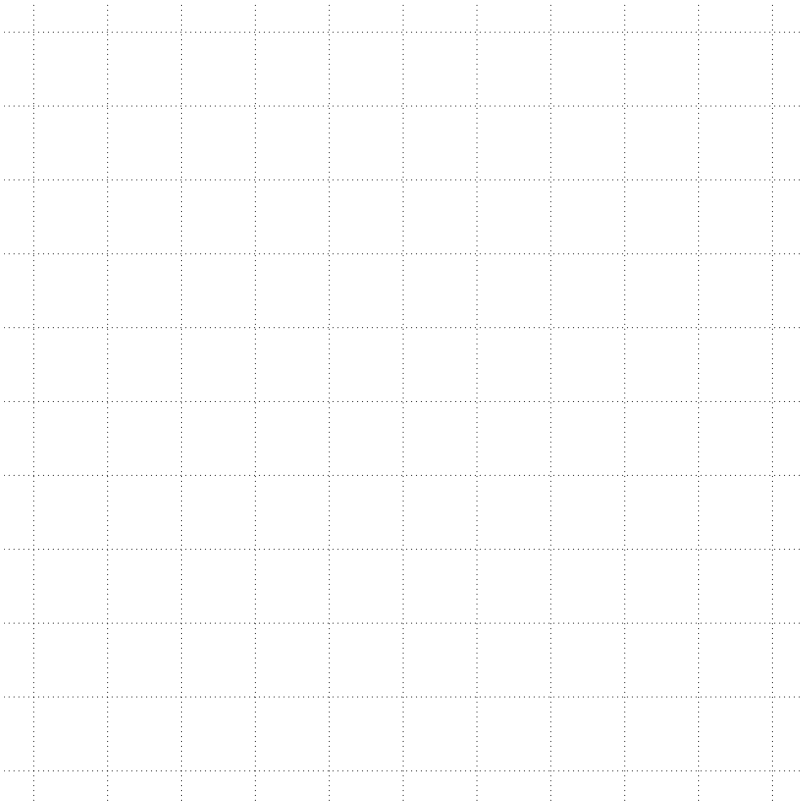


7. **Problem:**

Please make a density table and a density histogram from the following (unsorted) continuous data, using the supplied classes.

239.22	240.05	244.1	244.31	249.44	254.45	261.58	264.49	266.74	272.05
272.77	273.59	279.88	283.13	286.77	289.18	291.26			

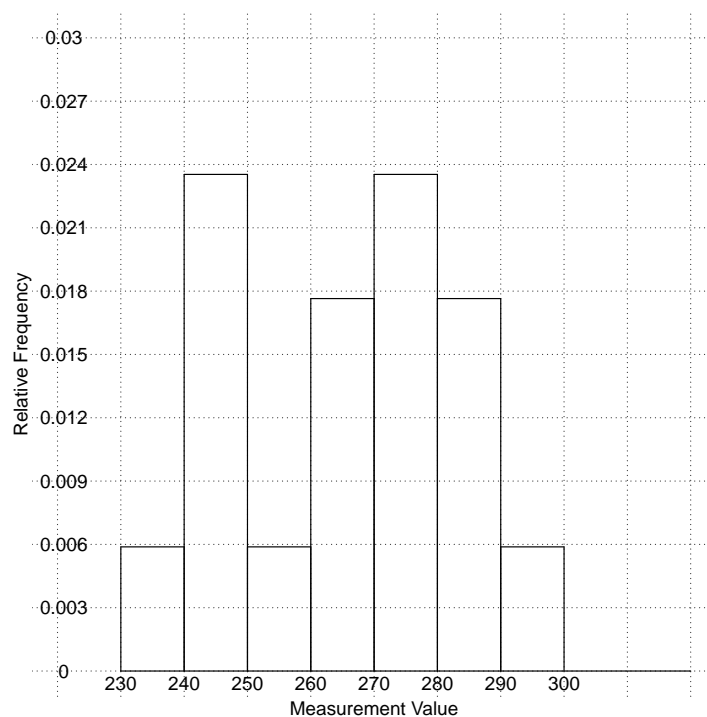
class	frequency	relative frequency	density
230 - 240			
240 - 250			
250 - 260			
260 - 270			
270 - 280			
280 - 290			
290 - 300			



Solution: Make the density table. Density is (relative frequency)/(width of class).

class	frequency	relative frequency	density
230 - 240	1	0.0588	0.00588
240 - 250	4	0.235	0.0235
250 - 260	1	0.0588	0.00588
260 - 270	3	0.176	0.0176
270 - 280	4	0.235	0.0235
280 - 290	3	0.176	0.0176
290 - 300	1	0.0588	0.00588

Make the density histogram.

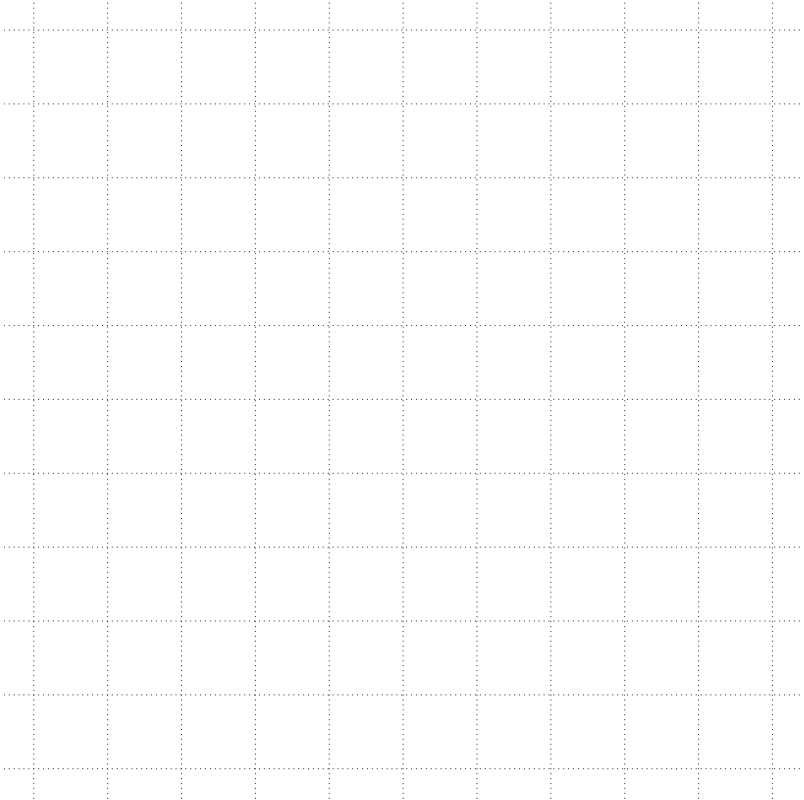


8. **Problem:**

Please make a density table and a density histogram from the following (unsorted) continuous data, using the supplied classes.

202.01	202.17	202.18	202.3	202.36	202.54	203.18	203.26	203.34	203.57
203.81	204.2	205.16	205.29	205.42	205.43	205.68	206.32	206.43	206.48
206.63	207.48	208.55	208.61	209.01	210.55	211.51	212.65	214.26	214.93
215.66	215.75	215.85	217.19						

class	frequency	relative frequency	density
202 - 204			
204 - 206			
206 - 208			
208 - 210			
210 - 212			
212 - 214			
214 - 216			
216 - 218			



Solution: Make the density table. Density is (relative frequency)/(width of class).

class	frequency	relative frequency	density
202 - 204	11	0.324	0.162
204 - 206	6	0.176	0.0882
206 - 208	5	0.147	0.0735
208 - 210	3	0.0882	0.0441
210 - 212	2	0.0588	0.0294
212 - 214	1	0.0294	0.0147
214 - 216	5	0.147	0.0735
216 - 218	1	0.0294	0.0147

Make the density histogram.

