

input data

6.0	9.1	8.7	6.7	5.4	10.9	9.9	9.4	9.9	9.4
9.2	9.6	8.1	7.8	9.5	8.2	9.7	8.1	8.5	9.5
7.9	8.9	8.9	9.7	5.7	11.4	9.7	9.2	9.8	10.6

variational series

5.4	5.7	6.0	6.7	7.8	7.9	8.1	8.1	8.2	8.5
8.7	8.9	8.9	9.1	9.2	9.2	9.4	9.4	9.5	9.5
9.6	9.7	9.7	9.7	9.8	9.9	9.9	10.6	10.9	11.4

$$x_{min} = 5.4; \ x_{max} = 11.4$$

$$L = 6; \ h = \frac{x_{max} - x_{min}}{L} = \frac{11.4 - 5.4}{6} = 1$$

bin edges

5.4	6.4	7.4	8.4	9.4	10.4	11.4
-----	-----	-----	-----	-----	------	------

range	frequency	frequency density	cumulative frequency	cumulative frequency density
(5.4, 6.4)	3	0.1	3	0.1
(6.4, 7.4)	1	0.033333	4	0.133333
(7.4, 8.4)	5	0.166667	9	0.3
(8.4, 9.4)	7	0.233333	16	0.533333
(9.4, 10.4)	11	0.366667	27	0.9
(10.4, 11.4)	3	0.1	30	1.0

