

Computing Percentiles

Data Science and A.I. Lecture Series

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From the following data compute the value of P_{70} .

C.I.	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100
f_i	5	7	10	16	11	7	5	4	3	2

C.I.		
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greater than 49 is 56. So, the
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Then

$$P_{70} = 50 + \frac{49-49}{7} \times 10 = 50$$