

17 تالیف
بروین و همکار

مستطی

اصول ماری

اصول آمار

1	2	3
12	22	32

$$q = \{q_1, \dots, q_n\} \quad -1$$

$$(q_1 - q_2) + 1 \approx 17$$

$$S_n = \frac{n}{q} (q_1 + q_n) - 1, \quad \frac{1}{x} (1 \leq x) \approx 17.5$$

$$\frac{a+b}{x} = b \rightarrow \frac{1 \leq q}{x} \approx 17.5$$

1, ..., 3

(1)

4, ..., 12

(2)

13, ..., 24, ..., 36, ..., 48, ..., 60, ..., 72, ..., 84, ..., 96, ..., 108, ..., 120, ..., 132, ..., 144, ..., 156, ..., 168, ..., 180, ..., 192, ..., 204, ..., 216, ..., 228, ..., 240, ..., 252, ..., 264, ..., 276, ..., 288, ..., 300, ..., 312, ..., 324, ..., 336, ..., 348, ..., 360, ..., 372, ..., 384, ..., 396, ..., 408, ..., 420, ..., 432, ..., 444, ..., 456, ..., 468, ..., 480, ..., 492, ..., 504, ..., 516, ..., 528, ..., 540, ..., 552, ..., 564, ..., 576, ..., 588, ..., 600, ..., 612, ..., 624, ..., 636, ..., 648, ..., 660, ..., 672, ..., 684, ..., 696, ..., 708, ..., 720, ..., 732, ..., 744, ..., 756, ..., 768, ..., 780, ..., 792, ..., 804, ..., 816, ..., 828, ..., 840, ..., 852, ..., 864, ..., 876, ..., 888, ..., 900, ..., 912, ..., 924, ..., 936, ..., 948, ..., 960, ..., 972, ..., 984, ..., 996, ..., 1000

(3)

(4)

17, ..., 34, ..., 51, ..., 68, ..., 85, ..., 102, ..., 119, ..., 136, ..., 153, ..., 170, ..., 187, ..., 204, ..., 221, ..., 238, ..., 255, ..., 272, ..., 289, ..., 306, ..., 323, ..., 340, ..., 357, ..., 374, ..., 391, ..., 408, ..., 425, ..., 442, ..., 459, ..., 476, ..., 493, ..., 510, ..., 527, ..., 544, ..., 561, ..., 578, ..., 595, ..., 612, ..., 629, ..., 646, ..., 663, ..., 680, ..., 697, ..., 714, ..., 731, ..., 748, ..., 765, ..., 782, ..., 799, ..., 816, ..., 833, ..., 850, ..., 867, ..., 884, ..., 901, ..., 918, ..., 935, ..., 952, ..., 969, ..., 986, ..., 1000

(5)

$$\frac{17 + 104}{x} \approx 17.5$$

17, ..., 34, ..., 51, ..., 68, ..., 85, ..., 102, ..., 119, ..., 136, ..., 153, ..., 170, ..., 187, ..., 204, ..., 221, ..., 238, ..., 255, ..., 272, ..., 289, ..., 306, ..., 323, ..., 340, ..., 357, ..., 374, ..., 391, ..., 408, ..., 425, ..., 442, ..., 459, ..., 476, ..., 493, ..., 510, ..., 527, ..., 544, ..., 561, ..., 578, ..., 595, ..., 612, ..., 629, ..., 646, ..., 663, ..., 680, ..., 697, ..., 714, ..., 731, ..., 748, ..., 765, ..., 782, ..., 799, ..., 816, ..., 833, ..., 850, ..., 867, ..., 884, ..., 901, ..., 918, ..., 935, ..., 952, ..., 969, ..., 986, ..., 1000

17, ..., 34, ..., 51, ..., 68, ..., 85, ..., 102, ..., 119, ..., 136, ..., 153, ..., 170, ..., 187, ..., 204, ..., 221, ..., 238, ..., 255, ..., 272, ..., 289, ..., 306, ..., 323, ..., 340, ..., 357, ..., 374, ..., 391, ..., 408, ..., 425, ..., 442, ..., 459, ..., 476, ..., 493, ..., 510, ..., 527, ..., 544, ..., 561, ..., 578, ..., 595, ..., 612, ..., 629, ..., 646, ..., 663, ..., 680, ..., 697, ..., 714, ..., 731, ..., 748, ..., 765, ..., 782, ..., 799, ..., 816, ..., 833, ..., 850, ..., 867, ..., 884, ..., 901, ..., 918, ..., 935, ..., 952, ..., 969, ..., 986, ..., 1000

$$a_1, a_2, a_3, a_4, a_5, a_6, a_7, a_8, a_9, a_{10}, a_{11}, a_{12}, a_{13}, a_{14}, a_{15}, a_{16}, a_{17}, a_{18}, a_{19}, a_{20}, a_{21}, a_{22}, a_{23}, a_{24}, a_{25}, a_{26}, a_{27}, a_{28}, a_{29}, a_{30}, a_{31}, a_{32}, a_{33}, a_{34}, a_{35}, a_{36}, a_{37}, a_{38}, a_{39}, a_{40}, a_{41}, a_{42}, a_{43}, a_{44}, a_{45}, a_{46}, a_{47}, a_{48}, a_{49}, a_{50}, a_{51}, a_{52}, a_{53}, a_{54}, a_{55}, a_{56}, a_{57}, a_{58}, a_{59}, a_{60}, a_{61}, a_{62}, a_{63}, a_{64}, a_{65}, a_{66}, a_{67}, a_{68}, a_{69}, a_{70}, a_{71}, a_{72}, a_{73}, a_{74}, a_{75}, a_{76}, a_{77}, a_{78}, a_{79}, a_{80}, a_{81}, a_{82}, a_{83}, a_{84}, a_{85}, a_{86}, a_{87}, a_{88}, a_{89}, a_{90}, a_{91}, a_{92}, a_{93}, a_{94}, a_{95}, a_{96}, a_{97}, a_{98}, a_{99}, a_{100}$$

$$1 + 1 + (1+1) + 1 + (1+1) + 1 + 0 + (1+1) + 1 = 19$$

$$a_2 = -1$$

$$h = 3k + 1$$

$$a_n = \left[\frac{n}{k+1} \right] - 1 = \frac{3k+1}{k+1} \approx 1 = \left[\frac{k-1}{k+1} \right] \Rightarrow k=0, 1$$

$$-1$$

$$\frac{1}{v_s} \wedge (-1f) = -\frac{1}{\omega} \quad a_n = -\frac{h^r}{\omega} + bn + c \quad a_\omega = -\omega + ab + c \wedge f \quad -f$$

$$a_v = \frac{1}{\omega} - \frac{1}{\omega} + vb + c = \frac{1}{\omega} \quad a_n = -\frac{h^r}{\omega} + bn - 1$$

$$vb + c = \frac{1}{\omega} \Rightarrow vb = \frac{1}{\omega} - c \Rightarrow vb = \frac{1}{\omega} - 1 \Rightarrow \wedge$$

$$a_{1\omega} = 1f \quad a_{11} = \frac{1}{\omega} \wedge$$

$$c = 1$$

$$\frac{1f}{\frac{1}{\omega}} = \omega$$

-w

$$\frac{a_v - a_r}{\omega} = \frac{m}{\omega}$$

$$\lambda(t) = \frac{1}{\omega} \lambda(a)$$

$$\lambda(a) = \frac{1}{\omega} \lambda(t) =$$

$$a_v = t_f$$

$$a_v = t_n$$

$$\frac{t_n - t_f}{f} = \frac{m}{f}$$

$$\omega \times \frac{1}{\omega} \lambda(t) = f \lambda(t)$$

-G

$$q(a+d)^r = \omega q f + 1 \cdot ad + r a^r + r a d \quad \left. \begin{array}{l} \\ \end{array} \right\} q_d^r = r a^r + a d$$

$$\frac{a}{d} = \frac{a+r d}{d} = \frac{a}{d} + r \Rightarrow \frac{a}{d} + r = t \Rightarrow r t + t = s \Rightarrow r t + t = s$$

$$\frac{a}{d} = \frac{a}{d} + r$$

$$t = \frac{a}{f}$$

$$-r$$

$$b-d, b, b+d \quad -v$$

$$b, \frac{b-d}{r}, \frac{b+d}{r}$$

$$\frac{b^r + b d}{f} = \frac{b^r - r a b + b^r}{f}$$

$$= \frac{b^r - r a b + b^r}{f} = d - r b d = 0 \Rightarrow d(d - r b)$$

$$\Rightarrow d - r b = 0 \Rightarrow d = r b$$

$$b, \frac{b+r b}{r}, \frac{b-r b}{r} \mid b, -b, b \Rightarrow a = -1$$

1V نکته

B/LP

مسئله ۱

$$a, aq \rightarrow aq^r$$

$$r a q \rightarrow r a, a q^r$$

$$r a q + a q^r = \epsilon a \Rightarrow r a + a^r = \epsilon$$

$$\left. \begin{array}{l} r a q + a q^r = \epsilon a \\ r a + a^r = \epsilon \end{array} \right\} q^r + r q - \epsilon = 0$$

-1

$$\begin{array}{c} q, 1 \times \\ - \epsilon \end{array}$$

$$\frac{a q^r}{a q} = a^r = (-\epsilon)^r = -\epsilon \epsilon$$

$$\frac{a q^r}{a q^r} = \frac{a q}{a q} = 1$$

$$\frac{q^r}{a^r} = \left(\frac{q}{a} \right)^r = r$$

$$\frac{a^r}{a q} = \frac{a}{q}$$

-9

$$\left(\frac{q}{a} \right)^r + \frac{a}{q} - r = 0$$

$$\frac{q}{a}$$

$$\frac{q^r}{a^r} + \frac{a}{q} - r = 0$$

$$\Rightarrow \frac{q}{a} = r$$

$$(a q^r)^r = a q^r \times a q^r \Rightarrow a^r q^r \times a q^r = a^r q^r \times a q^r$$

-10

$$\Rightarrow a q^r = (a^r - 1) \mu \nu$$

$$a \sqrt{r \nu}$$

$$\forall r a = r \nu$$

$$\Rightarrow a q^r = \mu \nu$$

$$\textcircled{\frac{1}{r \nu}}$$

$$\frac{q \sqrt{r}}{\omega \sqrt{r}} = \frac{r}{\omega \sqrt{r}} = \frac{r \omega}{\omega \sqrt{r}}$$