

مقدار q در $\bar{x}$

9	10	11	12
5-1	1-12	12-14	14-20

فردا f

3	5	5	2	1
---	---	---	---	---

$\leftarrow a$

4	0	6	1	12
10	11	12	12	12
3	6	5	2	1

~~11 0 20 14 12~~

میانگین در این جدول $\bar{x}$ است

-10

$\frac{12}{10} = \frac{12}{10}$

$\frac{12}{10} = \frac{12}{10}$

$\frac{12}{10} = \frac{12}{10}$

$\frac{12}{10} = \frac{12}{10}$

مقدار q در $\bar{x}$

فردا f

11	10	12	14	12
2	5	5	9	3

$\bar{x} = 12 + 2a$

12	12	0	2	12
2	5	5	9	3

$\frac{12}{12} = \frac{1}{12}$

$= \frac{1}{12}$

$12, \omega = 12 + 2a$

$\omega = 2a$

- $\cdot 12\omega$
- $\cdot 12\omega$
- $\cdot 12\omega$
- $\cdot 12\omega$

د) اول

1	3	5	7	9
3	4	5	7	1
-12	-12	0	2	2

(-a)

در جدول وارانس برام است

$$\frac{-2\varepsilon + 1}{14} = \frac{-14}{14} = -1$$

(-1)

(2)

$$\frac{1}{14} \left[(1-\varepsilon) + 2(1-\varepsilon) + 2(1-\varepsilon) + 1(1-\varepsilon) + 1(1-\varepsilon) + 1(1-\varepsilon) + 1(1-\varepsilon) + 1(1-\varepsilon) + 1(1-\varepsilon) + 1(1-\varepsilon) \right]$$

(a)

a/a

32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

3a

Q1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

(33)

51, 52

وارانس

32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

17, 24

17, 18

18, 0.2

18, 44

Q1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Q1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

$$f(x) = x$$

تابع هانی:

نماینده ۱ و ۳

$$f(x) = K$$

تابع ثابت: مقدار قطعی برای هر x

$$\left(\frac{g}{f}\right)(1.0)$$

$$\frac{f(1.0) - 3g(1.0)}{3f(1.0) + g(0)} = \frac{3}{5}$$

اگر f ثابت و g وابسته

$$\frac{g(1.0)}{f(1.0)} = \frac{10}{K}$$

$$\frac{K-12}{3K} = \frac{3}{5}$$

$$9K = 5K - 36 \Rightarrow 4K = -36 \Rightarrow K = -9$$

$$(3f - 2g)(0)$$

$$(f \times g)(1)$$

$$3f(1) - 2g(1)$$

$$\frac{f(1) \times g(1)}{10 \times 4}$$

$$g = \{(-4, 9), (0, 1), (3, 5), (4, 6)\}$$

$$f(x) = \begin{cases} 3x-2 & x < 0 \\ x^2-1 & x \geq 0 \end{cases}$$

$$\frac{9-14}{10 \times 4} = \frac{-5}{40}$$

$$= -\frac{1}{8}$$

$f_{+2g} \quad \text{تابع } g = \{(0,1)(2,2)(4,3)(6,4)\} \quad f = \{(1,5)(2,9)(3,1)(4,-1)\}$

$2g = \{(0,2)(2,4)(4,6)(6,8)\}$

$(2,21)(4,17)$

$(2,20)(4,17)$

$(2,15)(4,1)$

$(2,18)(4,23)$

$(2,21)(4,17)$

ع۵۱ : مستقيم $f(-\frac{v}{10}) - f(-\frac{v}{100})$, معاد $f(x) = [1 - 3x]$

$\frac{-v}{10} \rightarrow [1 - 3(\frac{-v}{10})] = [1 + \frac{3v}{10}] = \frac{10+3v}{10} = [\frac{31}{10}] = [3,0] = 3$

$-\frac{v}{100} \rightarrow [1 - 3(\frac{-v}{100})] = [1 + \frac{3v}{100}] = \frac{100+3v}{100} = [\frac{121}{100}] = [1,0] = 1$

$3 - 1 = 2$

$$a_n = a_1 + (n-1)d$$



تعدادی عبارت

اولی و آخری

$$\begin{aligned} a_1 &= a_1 + 0d \\ a_2 &= a_1 + 1d \\ a_3 &= a_1 + 2d \end{aligned}$$

$d > 0$
 $d = 0$
 $d < 0$

← (نمایش حسابی)

تعداد و حد

قدیمترین = نسبت مشترک = افزایش مشترک: d

در یک دنباله حسابی که اول آن ۲۵ و اختلاف مشترک ۱۸ است. کدام جمله ۹۰۱ است؟

$$a_n = 901$$

n

$$\begin{aligned} a_n &= a_1 + (n-1)d \\ 901 &= 25 + (n-1) \times 18 \\ 901 &= 18n - 18 \end{aligned}$$

$$\begin{aligned} 25 + 18 &= 43 \\ 901 &= 18n \\ n &= \frac{901}{18} \end{aligned}$$

$$a_1 = 25$$

$$d = 18$$

۲۷

۲۹

۳۱

۳۳

$a \sim b \sim c$ $\Leftarrow$ نلته $\Leftarrow$ مقدار = فرد
 $mb = a + c$ زمان استاده $\Leftarrow$

اعداد $\frac{10n+3}{\text{اول}}$ و $\frac{1n+1}{\text{وسط}}$ و $\frac{5n-1}{\text{آخر}}$

$$2(1n+1) = (10n+3) + (5n-1)$$

$$19n + 19 = 15n + 2$$

$$n = -14$$

فرضاً مجموعہ کی ارات (نیلماسلم) : قدرین

$$S_n = \frac{n[2a_1 + (n-1)d]}{2}$$

تبدیل کرنے

مجموعہ n کے لئے

$$S_n = \frac{n(a_1 + a_n)}{2}$$

$a_1 = -40$

$a_2 = -38 \rightarrow d = a_2 - a_1$

$-38 - (-40) = 2$

$-40, -38, \dots$

a_{21}

$a_{21} = a_1 + 20d$

$-40 + 20 \times 2 = 0$

$$S_n = \frac{n[2a_1 + (n-1)d]}{2} = \frac{n[-80 + 19(2)]}{2} = \frac{n[-80 + 38]}{2} = \frac{n[-42]}{2} = -21n$$

مجموعہ 21 کے لئے

$$S_{21} = \frac{21 \cdot [-42]}{2} = -441$$

مجموعہ 20 کے لئے

$$S_{20} = \frac{20 \cdot [-40 + 19 \times 2]}{2} = \frac{20 \cdot [-40 + 38]}{2} = \frac{20 \cdot [-2]}{2} = -20$$

مجموعہ 21 کے لئے

$$S_{21} = \frac{21 \cdot [-40 + 19 \times 2]}{2} = \frac{21 \cdot [-40 + 38]}{2} = \frac{21 \cdot [-2]}{2} = -21$$

