

РК 3

Чайковский Н.О.

Вариант 3

Дана выборка: 24, 17, 20, 22, 18, 22, 23, 25, 23, 19, 20, 18, 23, 22, 24, 25, 24, 23, 17, 19, 24, 26, 26, 23, 24, 22, 23, 26, 23.

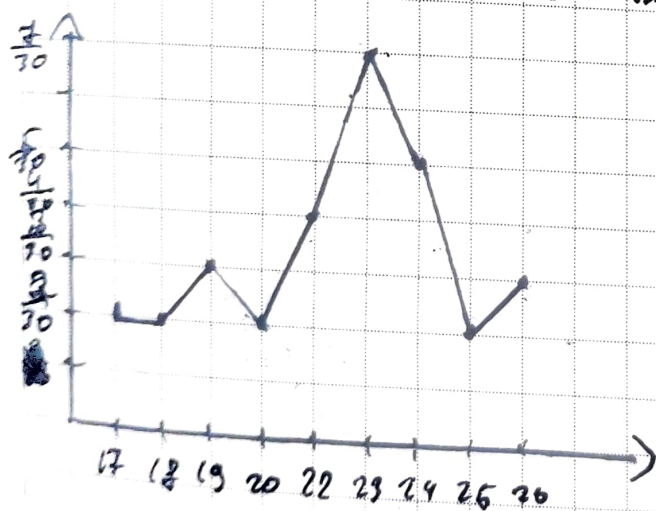
Статистический рег:

$x_i$	17	18	19	20	22	23	24	25	26
$n_i$	2	2	3	2	4	7	5	2	3

Объем выборки

$$2 + 2 + 3 + 2 + 4 + 7 + 5 + 2 + 3 = 30$$

Полигон относительных частот



$$\begin{aligned} W_1 &= \frac{2}{30} \\ W_2 &= \frac{2}{30} \\ W_3 &= \frac{3}{30} \\ W_4 &= \frac{2}{30} \\ W_5 &= \frac{4}{30} \\ W_6 &= \frac{7}{30} \\ W_7 &= \frac{5}{30} \\ W_8 &= \frac{3}{30} \end{aligned}$$

Среднее арифметическое

$$\bar{x}(\text{ср}) = \frac{17 + 18 + 19 + 20 + 22 + 23 + 24 + 25 + 26}{30} \approx 6,97$$