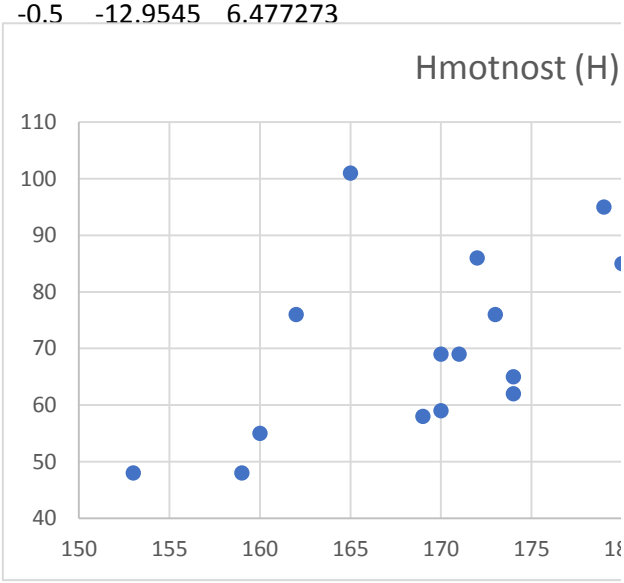
i	Pohlaví (P)	Výška (V)	Hmotnost (	Vi - mV	Hi - mH	(Vi-mV)(Hi-mH)
1	0	172	86	-2.5	11.04545	-27.6136
2	1	169	58	-5.5	-16.9545	93.25
3	0	183	80	8.5	5.045455	42.88636
4	1	170	69	-4.5	-5.95455	26.79545
5	0	180	85	5.5	10.04545	55.25
6	1	173	76	-1.5	1.045455	-1.56818
7	0	190	89	15.5	14.04545	217.7045
8	1	174	62	-0.5	-12.9545	6.477273
9	1	160	55			
10	0	182	75			
11	0	198	101			
12	1	153	48			
13	1	174	65			
14	1	162	76			
15	0	171	69			
16	1	159	48			
17	0	192	78			
18	1	170	59			
19	1	181	76			
20	0	179	95			
21	0	165	101			
22	0	182	98			



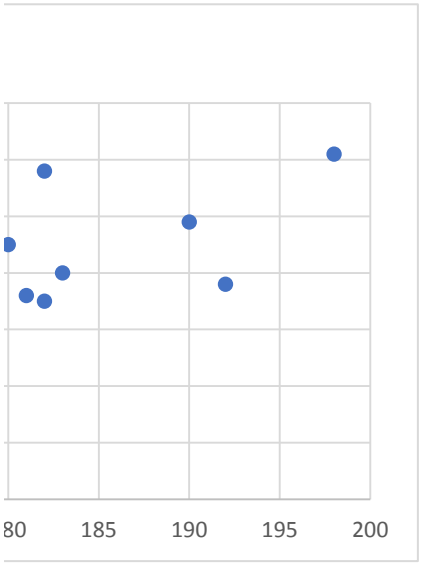
m	0.5	174.5	74.95455	vzorcem	0.651653
sd - vzorec		11.18566	16.15248	funkcí	0.651653
sd - funkcí	0.511766	11.18566	16.15248		

korelace

$$r_{XY} = \frac{1}{(N-1)} \sum_{i=1 \dots N} \left\{ \frac{(x_i - m_X)(y_i - m_Y)}{s_X s_Y} \right\}$$

úprava vzorce korelace

$$= \frac{1}{(N-1)} \sum_{i=1 \dots N} [\, z_{Xi} z_{Yi} \,]$$



kovariance

$c_{XY} = s_X r_{XY} s_Y$ z toho $r_{XY} = c_{XY}/(s_X s_Y)$

průměr

$m_X = (1/N)$

rozptyl (var

$s^2_X = [1/(N-$

směrodatn

s = odmocn

Suma(1…N) xi

riance)

1)] Suma(1…N) $(x_i - m_X)^2$

á odchylka

ıina(s^2)