

ID	pohlavi	vyska	hmotnost	Vi-mV	Hi-mH	(mV-Vi)(mH-Hi)	H.stř	e
1	0	175	82	1.65	7.35	12.1275	75.87356	6.126444
2	0	172	89	-1.35	14.35	-19.3725	73.64891	15.35109
3	1	165	62	-8.35	-12.65	105.6275	68.45806	-6.45806
4	1	170	65	-3.35	-9.65	32.3275	72.16581	-7.16581
5	0	198	89	24.65	14.35	353.7275	92.92919	-3.92919
6	0	189	65	15.65	-9.65	-151.0225	86.25525	-21.2552
7	0	165	60	-8.35	-14.65	122.3275	68.45806	-8.45806
8	1	170	85	-3.35	10.35	-34.6725	72.16581	12.83419
9	1	178	74	4.65	-0.65	-3.0225	78.0982	-4.0982
10	0	152	68	-21.35	-6.65	141.9775	58.81792	9.182077
11	1	145	52	-28.35	-22.65	642.1275	53.62708	-1.62708
12	1	178	95	4.65	20.35	94.6275	78.0982	16.9018
13	1	170	77	-3.35	2.35	-7.8725	72.16581	4.83419
14	1	178	78	4.65	3.35	15.5775	78.0982	-0.0982
15	0	183	79	9.65	4.35	41.9775	81.80595	-2.80595
16	0	185	90	11.65	15.35	178.8275	83.28905	6.710951
17	1	165	58	-8.35	-16.65	139.0275	68.45806	-10.4581
18	1	180	75	6.65	0.35	2.3275	79.5813	-4.5813
19	0	199	100	25.65	25.35	650.2275	93.67074	6.329261
20	0	150	50	-23.35	-24.65	575.5775	57.33482	-7.33482

průměr	0.5	173.35	74.65					
sd	0.512989	14.32802	14.33536	r	0.741169333	korelace	a	
				vzorec	0.741169333		b	
				r^2	0.54933198		H.stř = -53,!	
				c	152.2342105	kovariance		
				R	0.741169333	mnohonásobná korela		

$$r_{XY} = \frac{1}{N-1} \text{Suma}(i \text{ 1 až N}) \text{-----}$$

$$s_x = \text{odmocnina}(s_x^2)$$

$$s_x^2 = \frac{1}{N-1} \text{Suma}(i \text{ 1 až N}) (X_i - m_x)^2$$

-53.8976

0.741549

9 + 0,742 * V

ce, multiple correlation

$$\frac{(X_i - m_x)(Y_i - m_y)}{s_x s_y} = \frac{1}{N-1} \text{Suma}(\dots) z_{xi} z_{yi}$$

ID	pohlavi	vyska	hmotnost	Vi-mV	Hi-mH	(mV-Vi)(mH-Hi)	H.stř	e
1	0	175	82	1.65	7.35	12.1275	75.86426	6.13574
2	0	172	89	-1.35	14.35	-19.3725	73.63921	15.36079
3	1	165	62	-8.35	-12.65	105.6275	68.4657	-6.4657
4	1	170	65	-3.35	-9.65	32.3275	72.17412	-7.17412
5	0	198	89	24.65	14.35	353.7275	92.92298	-3.92298
6	0	189	65	15.65	-9.65	-151.0225	86.24783	-21.2478
7	0	165	60	-8.35	-14.65	122.3275	68.44743	-8.44743
8	1	170	85	-3.35	10.35	-34.6725	72.17412	12.82588
9	1	178	74	4.65	-0.65	-3.0225	78.10758	-4.10758
10	0	152	68	-21.35	-6.65	141.9775	58.80554	9.194457
11	1	145	52	-28.35	-22.65	642.1275	53.63203	-1.63203
12	1	178	95	4.65	20.35	94.6275	78.10758	16.89242
13	1	170	77	-3.35	2.35	-7.8725	72.17412	4.825883
14	1	178	78	4.65	3.35	15.5775	78.10758	-0.10758
15	0	183	79	9.65	4.35	41.9775	81.79773	-2.79773
16	0	185	90	11.65	15.35	178.8275	83.28109	6.718907
17	1	165	58	-8.35	-16.65	139.0275	68.4657	-10.4657
18	1	180	75	6.65	0.35	2.3275	79.59095	-4.59095
19	0	199	100	25.65	25.35	650.2275	93.66466	6.33534
20	0	150	50	-23.35	-24.65	575.5775	57.32218	-7.32218

průměr	0.5	173.35	74.65					
sd	0.512989	14.32802	14.33536	r_{VH}	0.741169333	korelace	a	
				vzorec	0.741169333		b1	
	muži	176.8	77.2	r^2	0.54933198		b2	
	ženy	169.9	72.1	c	152.2342105	kovariance	SS	
				$R_{HH.stř}$	0.741169589	mnohonásr	R^2	
				r_{PH}	-0.182502864			

$$r_{XY} = \frac{1}{N-1} \text{Suma}(i \text{ 1 až } N)$$

$$s_x = \text{odmocnina}(s_x^2)$$

$$s_x^2 = \frac{1}{N-1} \text{Suma}(i \text{ 1 až } N)$$

-53.93032523

0.741683344

0.018274258

1759.654341

0.54933236

$$N) \frac{(X_i - m_x)(Y_i - m_y)}{s_x s_y} = \frac{1}{N-1} \text{Suma}(\dots) z_{xi} z_{yi}$$

$$\sum N) (X_i - m_x)^2$$

ID	pohlavi	vyska	hmotnost	z.P	z.V	z.H	V.stř	H.stř	e.V
1	0	175	82	-0.975	0.1152	0.5127	0.240787	0.177882	0.1256
2	0	172	89	-0.975	-0.094	1.001	0.240787	0.177882	0.335
3	1	165	62	0.9747	-0.583	-0.882	-0.24079	-0.17788	0.342
4	1	170	65	0.9747	-0.234	-0.673	-0.24079	-0.17788	-0.007
5	0	198	89	-0.975	1.7204	1.001	0.240787	0.177882	-1.48
6	0	189	65	-0.975	1.0923	-0.673	0.240787	0.177882	-0.851
7	0	165	60	-0.975	-0.583	-1.022	0.240787	0.177882	0.8236
8	1	170	85	0.9747	-0.234	0.722	-0.24079	-0.17788	-0.007
9	1	178	74	0.9747	0.3245	-0.045	-0.24079	-0.17788	-0.565
10	0	152	68	-0.975	-1.49	-0.464	0.240787	0.177882	1.7309
11	1	145	52	0.9747	-1.979	-1.58	-0.24079	-0.17788	1.7379
12	1	178	95	0.9747	0.3245	1.4196	-0.24079	-0.17788	-0.565
13	1	170	77	0.9747	-0.234	0.1639	-0.24079	-0.17788	-0.007
14	1	178	78	0.9747	0.3245	0.2337	-0.24079	-0.17788	-0.565
15	0	183	79	-0.975	0.6735	0.3034	0.240787	0.177882	-0.433
16	0	185	90	-0.975	0.8131	1.0708	0.240787	0.177882	-0.572
17	1	165	58	0.9747	-0.583	-1.161	-0.24079	-0.17788	0.342
18	1	180	75	0.9747	0.4641	0.0244	-0.24079	-0.17788	-0.705
19	0	199	100	-0.975	1.7902	1.7684	0.240787	0.177882	-1.549
20	0	150	50	-0.975	-1.63	-1.72	0.240787	0.177882	1.8705

průměr 0.5 173.35 74.65

sd	0.512989	14.32802	14.33536	r_{VH}	0.7412	$r_{VH.P}$	0.730619
				r_{VP}	-0.247	$r_{VP.H}$	-0.16935
				r_{HP}	-0.183	$r_{HP.V}$	0.000918

e.H

- 0.33484
- 0.82314
- 0.70455
- 0.49528
- 0.82314
- 0.85104
- 1.19983
- 0.89987
- 0.13254
- 0.64177
- 1.40213
- 1.59745
- 0.34181
- 0.41157
- 0.12556
- 0.8929
- 0.98358
- 0.2023
- 1.59047
- 1.89741

$$r_{XY} = \frac{1}{N-1} \frac{\text{Suma}(i \text{ 1 až } N) (X_i - m_x)(Y_i - m_y)}{s_x s_y}$$

$$s_x = \text{odmocnina}(s_x^2)$$

$$s_x^2 = \frac{1}{N-1} \text{Suma}(i \text{ 1 až } N) (X_i - m_x)^2$$

kontrola

- 0.73062

$$r_y) \quad 1$$
$$\text{-----} = \text{-----} \text{Suma(...) } z_{xi} z_{yi}$$
$$N-1$$