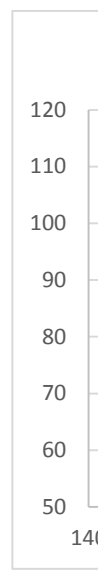


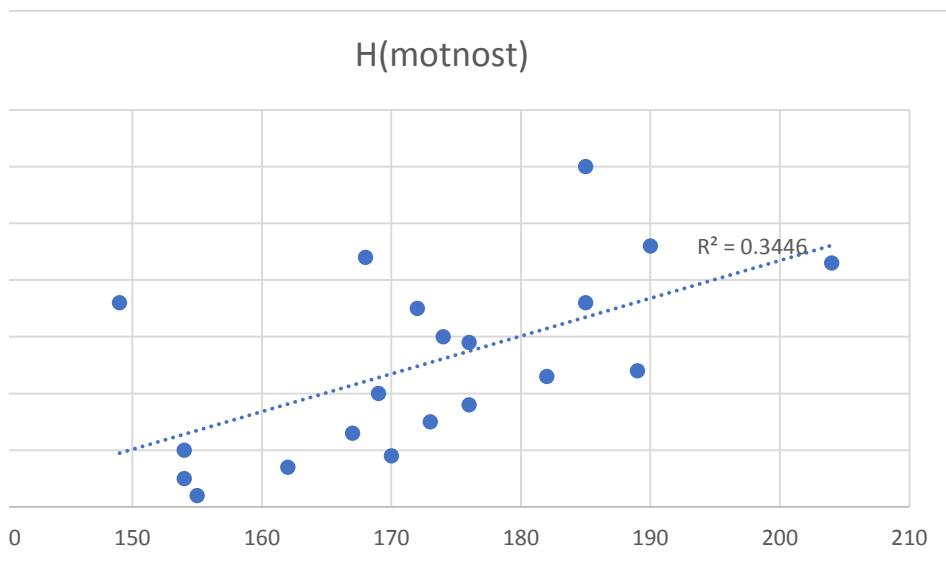
i	V(ýška)	H(motnost)	P(ohlaví)	Vi-mV	Hi-mH	Z <sub>Vi</sub>	Z <sub>Hi</sub>	Z <sub>Vi</sub> X Z <sub>Hi</sub>
1	172	85	1	-0.7	9.75	-0.05001	0.61408	-0.03071
2	170	59	0	-2.7	-16.25	-0.1929	-1.02347	0.197431
3	149	86	0	-23.7	10.75	-1.69327	0.677063	-1.14645
4	176	79	1	3.3	3.75	0.235771	0.236185	0.055686
5	185	86	1	12.3	10.75	0.878784	0.677063	0.594992
6	162	57	0	-10.7	-18.25	-0.76447	-1.14943	0.878707
7	182	73	1	9.3	-2.25	0.664446	-0.14171	-0.09416
8	190	96	1	17.3	20.75	1.236013	1.306888	1.615331
9	154	55	0	-18.7	-20.25	-1.33604	-1.2754	1.703978
10	167	63	1	-5.7	-12.25	-0.40724	-0.77154	0.314202
11	204	93	0	31.3	17.75	2.236255	1.117941	2.5
12	155	52	1	-17.7	-23.25	-1.26459	-1.46434	1.851798
13	174	80	1	1.3	4.75	0.09288	0.299167	0.027787
14	185	110	0	12.3	34.75	0.878784	2.188644	1.923345
15	169	70	1	-3.7	-5.25	-0.26435	-0.33066	0.087409
16	173	65	0	0.3	-10.25	0.021434	-0.64557	-0.01384
17	189	74	0	16.3	-1.25	1.164567	-0.07873	-0.09168
18	154	60	0	-18.7	-15.25	-1.33604	-0.96048	1.283243
19	176	68	1	3.3	-7.25	0.235771	-0.45662	-0.10766
20	168	94	0	-4.7	18.75	-0.3358	1.180923	-0.39655



m	172.7	75.25	0.5					kontrola
s	13.997	15.8774086				rVH	0.586993	0.586993

kontrola								
m	172.7	75.25	0.5			8.3E-16	0	
s	13.997	15.8774086	0.512989			1	1	

m z-skórů a následně kor



Statistická významnost

t 3.076115

df 18

p-hodnota 0.006511

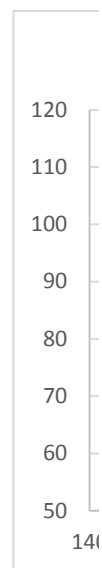
	<i>V(ýška)</i>	<i>H(motnost)</i>
<i>V(ýška)</i>	1	
<i>H(motnost)</i>	0.586993	1

$r^2$

0.34456

elaci

i	V(ýška)	H(motnost)	P(ohlaví)	Vi-mV	Hi-mH	Z <sub>Vi</sub>	Z <sub>Hi</sub>	Z <sub>Vi</sub> X Z <sub>Hi</sub>
2	170	59	0	-2.7	-16.25	-0.1929	-1.02347	0.197431
3	149	86	0	-23.7	10.75	-1.69327	0.677063	-1.14645
6	162	57	0	-10.7	-18.25	-0.76447	-1.14943	0.878707
9	154	55	0	-18.7	-20.25	-1.33604	-1.2754	1.703978
11	204	93	0	31.3	17.75	2.236255	1.117941	2.5
14	185	110	0	12.3	34.75	0.878784	2.188644	1.923345
16	173	65	0	0.3	-10.25	0.021434	-0.64557	-0.01384
17	189	74	0	16.3	-1.25	1.164567	-0.07873	-0.09168
18	154	60	0	-18.7	-15.25	-1.33604	-0.96048	1.283243
20	168	94	0	-4.7	18.75	-0.3358	1.180923	-0.39655
1	172	85	1	-0.7	9.75	-0.05001	0.61408	-0.03071
4	176	79	1	3.3	3.75	0.235771	0.236185	0.055686
5	185	86	1	12.3	10.75	0.878784	0.677063	0.594992
7	182	73	1	9.3	-2.25	0.664446	-0.14171	-0.09416
8	190	96	1	17.3	20.75	1.236013	1.306888	1.615331
10	167	63	1	-5.7	-12.25	-0.40724	-0.77154	0.314202
12	155	52	1	-17.7	-23.25	-1.26459	-1.46434	1.851798
13	174	80	1	1.3	4.75	0.09288	0.299167	0.027787
15	169	70	1	-3.7	-5.25	-0.26435	-0.33066	0.087409
19	176	68	1	3.3	-7.25	0.235771	-0.45662	-0.10766



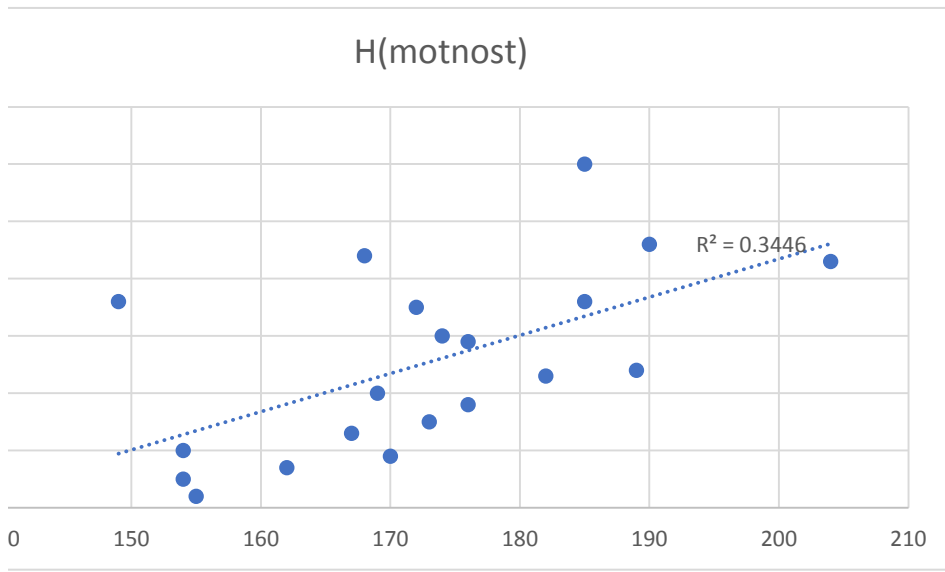
m 172.7 75.25 0.5  
s 13.997 15.8774086

rVP

kontrola  
0.139274

kontrola

m 172.7 75.25 0.5  
s 13.997 15.8774086 0.512989



m z-skórů a následně kor  
ženy

- 170
- 149
- 162
- 154
- 204
- 185
- 173
- 189
- 154
- 168

Statistická významnost

t 0.596703

df 18

p-hodnota 0.558137

$r^2$   
0.019397

elací  
muži

Dvouvýběrový t-test s rovností rozptylů

Dvouvýběrový t-test s nerovností r

172

176

185

182

190

167

155

174

169

176

	<i>ženy</i>	<i>muži</i>
Stř. hodnot	170.8	174.6
Rozptyl	307.2889	98.26667
Pozorování	10	10
Společný rc	202.7778	
Hyp. rozdíl	0	
Rozdíl	18	
t Stat	-0.5967	
P(T<=t) (1)	0.279068	
t krit (1)	1.734064	
P(T<=t) (2)	0.558137	
t krit (2)	2.100922	

	<i>ženy</i>	<i>muži</i>
Stř. hodnot	170.8	174.6
Rozptyl	307.2889	98.26667
Pozorování	10	10
Hyp. rozdíl	0	
Rozdíl	14	
t Stat	-0.5967	
P(T<=t) (1)	0.280116	
t krit (1)	1.76131	
P(T<=t) (2)	0.560232	
t krit (2)	2.144787	

rozptylů





$e_i$

- 10.21610875
- 14.45215195
- 26.53111063
- 1.552630165
- 2.559803342
- 11.12519478
- 8.442587717
- 9.230455107
- 7.798237601
- 8.454543012
- 3.091719951
- 11.46410725
- 3.884369459
- 26.55980334
- 2.786282306
- 10.44976089
- 12.10367525
- 2.798237601
- 9.447369835
- 21.87958734

a            -39.7457  
b            0.66587

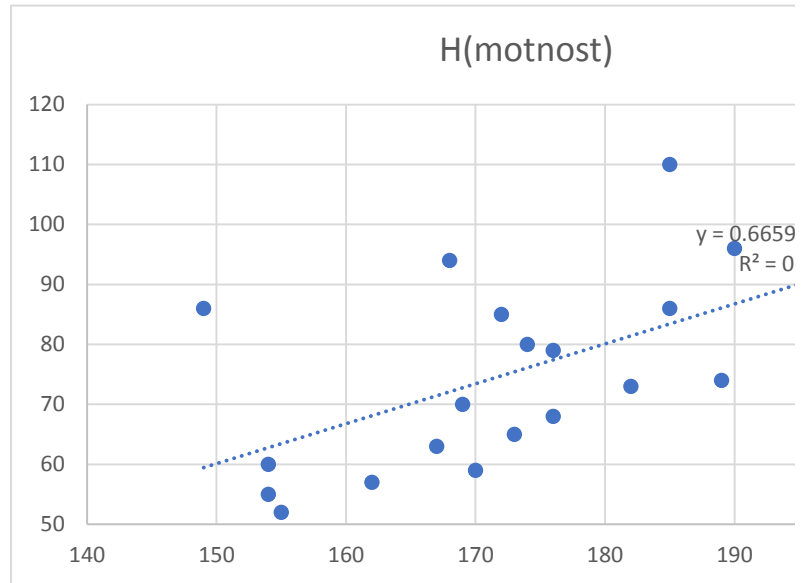
$H = a + bV + e$

$H_i^{\wedge} = a + bV_i$

$H_i = H_i^{\wedge} + e_i$

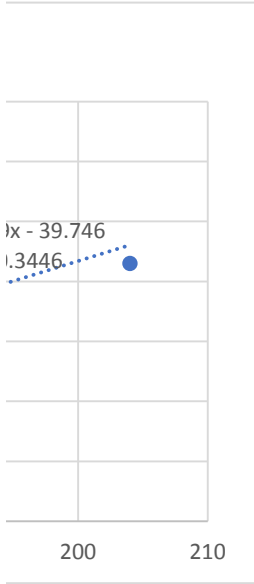
z toho

$e_i = H_i^{\wedge} - H_i$



$r^2$

- 0.344560347
- 4.53131E-16
- 0.809592276
- 0.586992629
- 0.344560347



i	V(ýška)	H(motnost)	P(ohlaví)	Vi-mV	Hi-mH	Z <sub>Vi</sub>	Z <sub>Hi</sub>	Z <sub>Vi</sub> x Z <sub>Hi</sub>	H <sub>i</sub> <sup>^</sup>
1	172	85	1	-0.7	9.75	-0.05001	0.61408	-0.03071	120.8
2	170	59	0	-2.7	-16.25	-0.1929	-1.02347	0.197431	119.5
3	149	86	0	-23.7	10.75	-1.69327	0.677063	-1.14645	107.95
4	176	79	1	3.3	3.75	0.235771	0.236185	0.055686	123
5	185	86	1	12.3	10.75	0.878784	0.677063	0.594992	127.95
6	162	57	0	-10.7	-18.25	-0.76447	-1.14943	0.878707	115.1
7	182	73	1	9.3	-2.25	0.664446	-0.14171	-0.09416	126.3
8	190	96	1	17.3	20.75	1.236013	1.306888	1.615331	130.7
9	154	55	0	-18.7	-20.25	-1.33604	-1.2754	1.703978	110.7
10	167	63	1	-5.7	-12.25	-0.40724	-0.77154	0.314202	118.05
11	204	93	0	31.3	17.75	2.236255	1.117941	2.5	138.2
12	155	52	1	-17.7	-23.25	-1.26459	-1.46434	1.851798	111.45
13	174	80	1	1.3	4.75	0.09288	0.299167	0.027787	121.9
14	185	110	0	12.3	34.75	0.878784	2.188644	1.923345	127.75
15	169	70	1	-3.7	-5.25	-0.26435	-0.33066	0.087409	119.15
16	173	65	0	0.3	-10.25	0.021434	-0.64557	-0.01384	121.15
17	189	74	0	16.3	-1.25	1.164567	-0.07873	-0.09168	129.95
18	154	60	0	-18.7	-15.25	-1.33604	-0.96048	1.283243	110.7
19	176	68	1	3.3	-7.25	0.235771	-0.45662	-0.10766	123
20	168	94	0	-4.7	18.75	-0.3358	1.180923	-0.39655	118.4

m	172.7	75.25	0.5						kontrola
s	13.997	15.8774086					rVH	0.586993	0.586993
	kontrola								rVe
m	172.7	75.25	0.5			8.3E-16	0		RHe
s	13.997	15.8774086	0.512989			1	1		R

$e_i$

35.8  
60.5  
21.95  
44  
41.95  
58.1  
53.3  
34.7  
55.7  
55.05  
45.2  
59.45  
41.9  
17.75  
49.15  
56.15  
55.95  
50.7  
55  
24.4

a 26  
b1 0.55  
b2 0.2

$$H = a + b_1V + b_2P + e$$

$$H_i^{\wedge} = a + b_1V_i + b_2P_i$$

$$H_i = H_i^{\wedge} + e_i$$

z toho

$$e_i = H_i^{\wedge} - H_i$$

SS 45210.89 snaha minimalizovat

$R^2$  0.343175 snaha maximalizovat

$r^2$

0.344560347  
-0.123983062  
-0.876098108  
0.585811273

vícenásobná korelace ( $r_{HH^{\wedge}}$ )