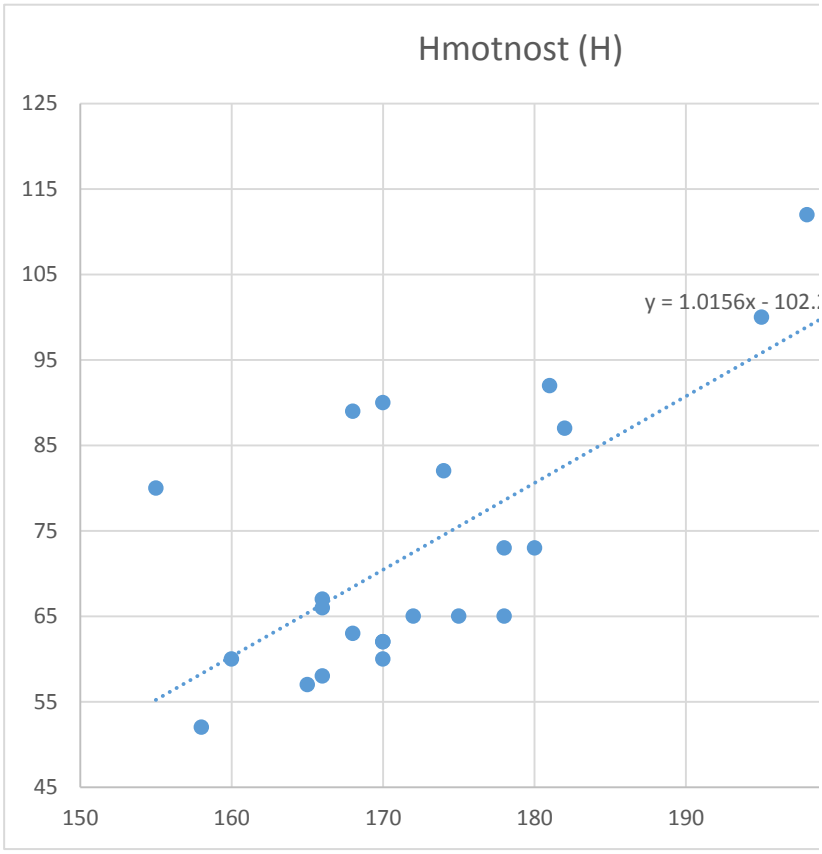
ID	Sex	Vyska (V)	Hmotnost (H)	v_i-m_V	h_i-m_H	z(v_i)	z(h_i)	z_v*z_h
1	1	174	82	0.416667	7.916667	0.035605	0.491883	0.017513421
2	2	168	89	-5.58333	14.91667	-0.4771	0.926812	-0.44218623
3	2	170	62	-3.58333	-12.0833	-0.3062	-0.75077	0.229886696
4	1	172	65	-1.58333	-9.08333	-0.1353	-0.56437	0.076358516
5	2	168	63	-5.58333	-11.0833	-0.4771	-0.68864	0.328551781
6	1	181	92	7.416667	17.91667	0.633766	1.11321	0.705514344
7	2	166	58	-7.58333	-16.0833	-0.64801	-0.9993	0.647554138
8	1	178	65	4.416667	-9.08333	0.377411	-0.56437	-0.21300007
9	1	170	60	-3.58333	-14.0833	-0.3062	-0.87503	0.267936908
10	2	158	52	-15.5833	-22.0833	-1.33162	-1.3721	1.827110705
11	1	201	98	27.41667	23.91667	2.342798	1.486005	3.481410031
12	1	198	112	24.41667	37.91667	2.086443	2.355862	4.915372084
13	2	175	65	1.416667	-9.08333	0.121056	-0.56437	-0.06832078
14	2	160	60	-13.5833	-14.0833	-1.16072	-0.87503	1.015667815
15	1	195	100	21.41667	25.91667	1.830088	1.610271	2.946937288
16	1	182	87	8.416667	12.91667	0.719218	0.802546	0.577205491
17	1	178	73	4.416667	-1.08333	0.377411	-0.06731	-0.02540368
18	2	165	57	-8.58333	-17.0833	-0.73346	-1.06143	0.778517658
19	2	170	62	-3.58333	-12.0833	-0.3062	-0.75077	0.229886696
20	1	180	73	6.416667	-1.08333	0.548314	-0.06731	-0.03690723
21	1	170	90	-3.58333	15.91667	-0.3062	0.988944	-0.30281627
22	2	166	66	-7.58333	-8.08333	-0.64801	-0.50224	0.32545467
23	2	166	67	-7.58333	-7.08333	-0.64801	-0.44011	0.285192237
24	1	155	80	-18.5833	5.916667	-1.58798	0.367618	-0.58376841

Průměr	173.5833	74.08333333	r_{VS}	-0.5651	r_{VH}	0.738420339
Rozptyl	136.9493	259.0362319	r_{HS}	-0.60462	kontrola	0.738420339
SD	11.70253	16.09460257				
					r^2	0.545264598
Průměr	173.5833	74.08333333			t	5.136125273
SD	11.70253	16.09460257			df	22
					p-hodnota	4.57301E-05
						0.000045730
			$r_{VH.S}$	0.603749		

H.stř	e
74.50648	7.493518
68.41314	20.58686
70.44426	-8.44426
72.47537	-7.47537
68.41314	-5.41314
81.61538	10.38462
66.38203	-8.38203
78.56871	-13.5687
70.44426	-10.4443
58.25758	-6.25758
101.9265	-3.9265
98.87983	13.12017
75.52204	-10.522
60.28869	-0.28869
95.83317	4.166834
82.63093	4.369067
78.56871	-5.56871
65.36647	-8.36647
70.44426	-8.44426
80.59982	-7.59982
70.44426	19.55574
66.38203	-0.38203
66.38203	0.617969
55.21091	24.78909



2.61E-14

117.7929

10.85325

$$t = r \frac{odm(N-2)}{odm(1-r^2)}$$

df=N-2

H = a + b*V + e = H.stř + e

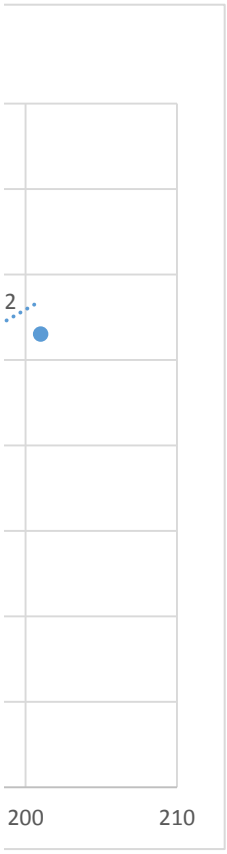
b = (sH/sV) * r 1.015556

a = mH - b*mV -102.2

H = -102,2 + 1,016 * V

$R = r_{H\ H.stř}$ 0.73842

R^2 0.545265


2
200
210

ID	Sex	Vyska (V)	Hmotnost (H)	v_i-m_V	h_i-m_H	$z(v_i)$	$z(h_i)$	z_v*z_h
1	1	174	82	0.416667	7.916667	0.035605	0.491883	0.017513421
2	2	168	89	-5.58333	14.91667	-0.4771	0.926812	-0.44218623
3	2	170	62	-3.58333	-12.0833	-0.3062	-0.75077	0.229886696
4	1	172	65	-1.58333	-9.08333	-0.1353	-0.56437	0.076358516
5	2	168	63	-5.58333	-11.0833	-0.4771	-0.68864	0.328551781
6	1	181	92	7.416667	17.91667	0.633766	1.11321	0.705514344
7	2	166	58	-7.58333	-16.0833	-0.64801	-0.9993	0.647554138
8	1	178	65	4.416667	-9.08333	0.377411	-0.56437	-0.21300007
9	1	170	60	-3.58333	-14.0833	-0.3062	-0.87503	0.267936908
10	2	158	52	-15.5833	-22.0833	-1.33162	-1.3721	1.827110705
11	1	201	98	27.41667	23.91667	2.342798	1.486005	3.481410031
12	1	198	112	24.41667	37.91667	2.086443	2.355862	4.915372084
13	2	175	65	1.416667	-9.08333	0.121056	-0.56437	-0.06832078
14	2	160	60	-13.5833	-14.0833	-1.16072	-0.87503	1.015667815
15	1	195	100	21.41667	25.91667	1.830088	1.610271	2.946937288
16	1	182	87	8.416667	12.91667	0.719218	0.802546	0.577205491
17	1	178	73	4.416667	-1.08333	0.377411	-0.06731	-0.02540368
18	2	165	57	-8.58333	-17.0833	-0.73346	-1.06143	0.778517658
19	2	170	62	-3.58333	-12.0833	-0.3062	-0.75077	0.229886696
20	1	180	73	6.416667	-1.08333	0.548314	-0.06731	-0.03690723
21	1	170	90	-3.58333	15.91667	-0.3062	0.988944	-0.30281627
22	2	166	66	-7.58333	-8.08333	-0.64801	-0.50224	0.32545467
23	2	166	67	-7.58333	-7.08333	-0.64801	-0.44011	0.285192237
24	1	155	80	-18.5833	5.916667	-1.58798	0.367618	-0.58376841

Průměr	173.5833	74.08333333	r_{VS}	-0.5651	r_{VH}	0.738420339
Rozptyl	136.9493	259.0362319	r_{HS}	-0.60462	kontrola	0.738420339
SD	11.70253	16.09460257				
					r^2	0.545264598
Průměr	173.5833	74.08333333			t	5.136125273
SD	11.70253	16.09460257			df	22
					p-hodnota	4.57301E-05
						0.000045730

H.stř	e
78.40585	3.594152
64.89404	24.10596
66.4972	-4.4972
76.8027	-11.8027
64.89404	-1.89404
84.01688	7.983119
63.29089	-5.29089
81.61215	-16.6122
75.19954	-15.1995
56.87828	-4.87828
100.0484	-2.04841
97.64368	14.35632
70.50508	-5.50508
58.48143	1.518566
95.23895	4.761052
84.81846	2.181543
81.61215	-8.61215
62.48931	-5.48931
66.4972	-4.4972
83.2153	-10.2153
75.19954	14.80046
63.29089	2.709109
63.29089	3.709109
63.1759	16.8241

$H = (a + b_1*V + b_2*S) + e = (H.stř) + e$

a	-52.3661
b_1	0.801576
b_2	-8.70235
SS	2402.06
R^2	0.596823

VÝSLEDEK

Regresní statistika	
Násobné R	0.772543
Hodnota sp	0.596823
Nastavená	0.558425
Chyba stř. l	10.69504
Pozorování	24

ANOVA

	Rozdíl	*SS*	*MS*	*F*
Regrese	2	3555.773	1777.887	15.54317
Rezidua	21	2402.06	114.3838	
Celkem	23	5957.833		

	Koeficienty	*ba stř. hodn*	*t Stat*	*Hodnota P*
Hranice	-52.3787	44.9806	-1.16447	0.257292
Sex	-8.70298	5.310746	-1.63875	0.116162
Vyska (V)	0.801654	0.23098	3.470667	0.002285

ýznamnost F
7.21E-05

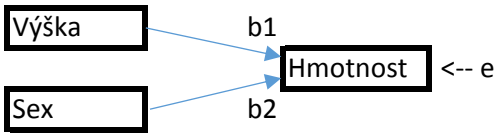
Dolní 95%	*Horní 95%*	*Dolní 95,0%*	*Horní 95,0%*
-145.921	41.16362	-145.921	41.16362
-19.7473	2.341321	-19.7473	2.341321
0.321305	1.282003	0.321305	1.282003

ID	Sex	Vyska (V)	Hmotnost (H)	v_i-m_V	h_i-m_H	$z(v_i)$	$z(h_i)$	z_v*z_h
1	1	174	82	0.416667	7.916667	0.035605	0.491883	0.017513421
2	2	168	89	-5.58333	14.91667	-0.4771	0.926812	-0.44218623
3	2	170	62	-3.58333	-12.0833	-0.3062	-0.75077	0.229886696
4	1	172	65	-1.58333	-9.08333	-0.1353	-0.56437	0.076358516
5	2	168	63	-5.58333	-11.0833	-0.4771	-0.68864	0.328551781
6	1	181	92	7.416667	17.91667	0.633766	1.11321	0.705514344
7	2	166	58	-7.58333	-16.0833	-0.64801	-0.9993	0.647554138
8	1	178	65	4.416667	-9.08333	0.377411	-0.56437	-0.21300007
9	1	170	60	-3.58333	-14.0833	-0.3062	-0.87503	0.267936908
10	2	158	52	-15.5833	-22.0833	-1.33162	-1.3721	1.827110705
11	1	201	98	27.41667	23.91667	2.342798	1.486005	3.481410031
12	1	198	112	24.41667	37.91667	2.086443	2.355862	4.915372084
13	2	175	65	1.416667	-9.08333	0.121056	-0.56437	-0.06832078
14	2	160	60	-13.5833	-14.0833	-1.16072	-0.87503	1.015667815
15	1	195	100	21.41667	25.91667	1.830088	1.610271	2.946937288
16	1	182	87	8.416667	12.91667	0.719218	0.802546	0.577205491
17	1	178	73	4.416667	-1.08333	0.377411	-0.06731	-0.02540368
18	2	165	57	-8.58333	-17.0833	-0.73346	-1.06143	0.778517658
19	2	170	62	-3.58333	-12.0833	-0.3062	-0.75077	0.229886696
20	1	180	73	6.416667	-1.08333	0.548314	-0.06731	-0.03690723
21	1	170	90	-3.58333	15.91667	-0.3062	0.988944	-0.30281627
22	2	166	66	-7.58333	-8.08333	-0.64801	-0.50224	0.32545467
23	2	166	67	-7.58333	-7.08333	-0.64801	-0.44011	0.285192237
24	1	155	80	-18.5833	5.916667	-1.58798	0.367618	-0.58376841

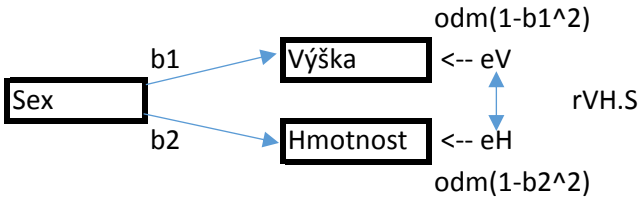
Průměr	173.5833	74.08333333	r_{VS}	-0.5651	r_{VH}	0.738420339
Rozptyl	136.9493	259.0362319	r_{HS}	-0.60462	kontrola	0.738420339
SD	11.70253	16.09460257				
					r^2	0.545264598
Průměr	173.5833	74.08333333			t	5.136125273
SD	11.70253	16.09460257			df	22
					p-hodnota	4.57301E-05
						0.000045730

Muži	Ženy
82	
	89
	62
65	
	63
92	
	58
65	
60	
	52
98	
112	
	65
	60
100	
87	
73	
	57
	62
73	
90	
	66
	67
80	
82.84615	63.72727

Proměnné jsou vyjádřeny jako z-skóry (odpadá konstanta



H = b1*V + b2*S + e



V = b1*S + eV

H = b2*S + eH

regrese)

IR	vstupní matice korelací (entering, calculated)
IR.stř	matice korelací odhadnutá pomocí modelu (implied)
	(k jejich odhadu slouží Wrightova pravidla)

IR.stř. rSV = b1

rSH = b2

rVH = b1*b2 + odm(1-b1^2)*rVH.S*odm(1-b2^2)

rVH = rSV*rSH + odm(1-rSV^2)*rVH.S*odm(1-rSH^2)

$$rVH.S = \frac{rVH - rSV*rSH}{odm(1-rSV^2)odm(1-rSH^2)}$$