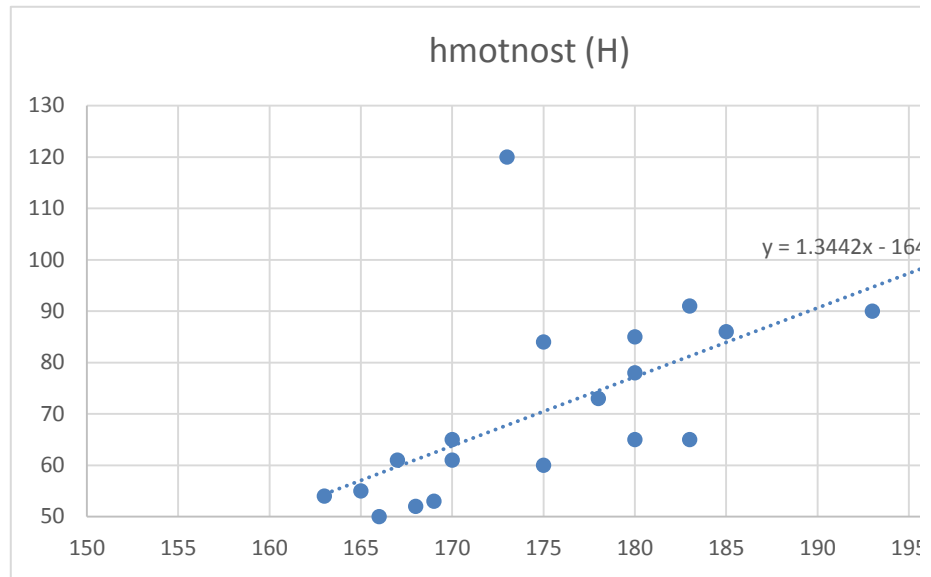


| číslo | výška (V) | hmotnost (H) | pohlaví (P) | $V_i - m_V$ | $H_i - m_H$ | $(V_i - m_V)^2$ | $(H_i - m_H)^2$ | zV_i |
|-------|-----------|--------------|-------------|-------------|-------------|-----------------|-----------------|----------|
| 1 | 180 | 78 | 1 | 4.428571 | 6.761905 | 19.61224 | 45.72336 | 0.462573 |
| 2 | 170 | 65 | 2 | -5.57143 | -6.2381 | 31.04082 | 38.91383 | -0.58195 |
| 3 | 168 | 52 | 2 | -7.57143 | -19.2381 | 57.32653 | 370.1043 | -0.79085 |
| 4 | 193 | 90 | 1 | 17.42857 | 18.7619 | 303.7551 | 352.0091 | 1.820449 |
| 5 | 180 | 85 | 1 | 4.428571 | 13.7619 | 19.61224 | 189.39 | 0.462573 |
| 6 | 165 | 48 | 2 | -10.5714 | -23.2381 | 111.7551 | 540.0091 | -1.10421 |
| 7 | 178 | 73 | 1 | 2.428571 | 1.761905 | 5.897959 | 3.104308 | 0.253669 |
| 8 | 175 | 60 | 2 | -0.57143 | -11.2381 | 0.326531 | 126.2948 | -0.05969 |
| 9 | 165 | 55 | 2 | -10.5714 | -16.2381 | 111.7551 | 263.6757 | -1.10421 |
| 10 | 185 | 86 | 1 | 9.428571 | 14.7619 | 88.89796 | 217.9138 | 0.984833 |
| 11 | 163 | 54 | 2 | -12.5714 | -17.2381 | 158.0408 | 297.1519 | -1.31311 |
| 12 | 170 | 61 | 2 | -5.57143 | -10.2381 | 31.04082 | 104.8186 | -0.58195 |
| 13 | 166 | 50 | 2 | -9.57143 | -21.2381 | 91.61224 | 451.0567 | -0.99976 |
| 14 | 199 | 100 | 1 | 23.42857 | 28.7619 | 548.898 | 827.2472 | 2.447162 |
| 15 | 180 | 65 | 2 | 4.428571 | -6.2381 | 19.61224 | 38.91383 | 0.462573 |
| 16 | 167 | 61 | 2 | -8.57143 | -10.2381 | 73.46939 | 104.8186 | -0.8953 |
| 17 | 175 | 84 | 1 | -0.57143 | 12.7619 | 0.326531 | 162.8662 | -0.05969 |
| 18 | 183 | 91 | 1 | 7.428571 | 19.7619 | 55.18367 | 390.5329 | 0.775929 |
| 19 | 173 | 120 | 1 | -2.57143 | 48.7619 | 6.612245 | 2377.723 | -0.26859 |
| 20 | 183 | 65 | 2 | 7.428571 | -6.2381 | 55.18367 | 38.91383 | 0.775929 |
| 21 | 169 | 53 | 2 | -6.57143 | -18.2381 | 43.18367 | 332.6281 | -0.6864 |
| | | | | | | s_V^2 | s_H^2 | |
| m | 175.5714 | 71.23809524 | | | | 91.65714 | 363.6905 | |
| s | 9.573774 | 19.07067058 | | | kontrola | 9.573774 | 19.07067 | |

| zHi | zV x zH |
|----------|----------|
| 0.354571 | 0.164015 |
| -0.3271 | 0.190357 |
| -1.00878 | 0.797794 |
| 0.983809 | 1.790975 |
| 0.721627 | 0.333805 |
| -1.21853 | 1.345504 |
| 0.092388 | 0.023436 |
| -0.58929 | 0.035173 |
| -0.85147 | 0.940199 |
| 0.774063 | 0.762323 |
| -0.90391 | 1.186929 |
| -0.53685 | 0.312418 |
| -1.11365 | 1.113379 |
| 1.508175 | 3.690747 |
| -0.3271 | -0.15131 |
| -0.53685 | 0.480644 |
| 0.66919 | -0.03994 |
| 1.036246 | 0.804054 |
| 2.556906 | -0.68676 |
| -0.3271 | -0.25381 |
| -0.95634 | 0.656433 |

| | |
|------------|----------|
| r | 0.674818 |
| kontrola r | 0.674818 |
| r2 | 0.45538 |

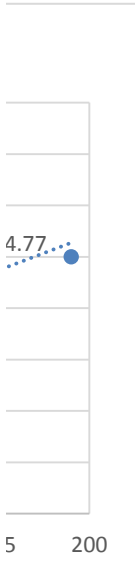


Jednoduchá regrese

| | |
|---|----------|
| b | 1.344218 |
| a | -164.768 |

významnost

| | |
|----|----------|
| t | 3.98581 |
| df | 19 |
| p | 0.000904 |



VÝSLEDEK

Regresní statistika

| | |
|------------------------|----------|
| Násobné R | 0.674818 |
| Hodnota s _p | 0.45538 |
| Nastavená | 0.426715 |
| Chyba stř. l | 14.43947 |
| Pozorování | 21 |

ANOVA

| | Rozdíl | SS | MS | F | významnost F |
|---------|--------|----------|----------|----------|--------------|
| Regrese | 1 | 3312.344 | 3312.344 | 15.88668 | 0.000791 |
| Rezidua | 19 | 3961.465 | 208.4982 | | |
| Celkem | 20 | 7273.81 | | | |

| | Koeficienty | ba stř. hodn. | t Stat | Hodnota P | Dolní 95% | Horní 95% | Dolní 95,0% |
|-----------|-------------|---------------|----------|-----------|-----------|-----------|-------------|
| Hranice | -164.768 | 59.29538 | -2.77877 | 0.011964 | -288.875 | -40.6614 | -288.875 |
| výška (V) | 1.344218 | 0.337251 | 3.98581 | 0.000791 | 0.638344 | 2.050092 | 0.638344 |

Horní 95,0%
-40.6614
2.050092

| číslo | výška (V) | hmotnost (H) | pohlaví (P) | $V_i - m_V$ | $H_i - m_H$ | $(V_i - m_V)^2$ | $(H_i - m_H)^2$ | zV_i |
|-------|-----------|--------------|-------------|-------------|-------------|-----------------|-----------------|----------|
| 1 | 180 | 78 | 1 | 4.428571 | 6.761905 | 19.61224 | 45.72336 | 0.462573 |
| 2 | 170 | 65 | 2 | -5.57143 | -6.2381 | 31.04082 | 38.91383 | -0.58195 |
| 3 | 168 | 52 | 2 | -7.57143 | -19.2381 | 57.32653 | 370.1043 | -0.79085 |
| 4 | 193 | 90 | 1 | 17.42857 | 18.7619 | 303.7551 | 352.0091 | 1.820449 |
| 5 | 180 | 85 | 1 | 4.428571 | 13.7619 | 19.61224 | 189.39 | 0.462573 |
| 6 | 165 | 48 | 2 | -10.5714 | -23.2381 | 111.7551 | 540.0091 | -1.10421 |
| 7 | 178 | 73 | 1 | 2.428571 | 1.761905 | 5.897959 | 3.104308 | 0.253669 |
| 8 | 175 | 60 | 2 | -0.57143 | -11.2381 | 0.326531 | 126.2948 | -0.05969 |
| 9 | 165 | 55 | 2 | -10.5714 | -16.2381 | 111.7551 | 263.6757 | -1.10421 |
| 10 | 185 | 86 | 1 | 9.428571 | 14.7619 | 88.89796 | 217.9138 | 0.984833 |
| 11 | 163 | 54 | 2 | -12.5714 | -17.2381 | 158.0408 | 297.1519 | -1.31311 |
| 12 | 170 | 61 | 2 | -5.57143 | -10.2381 | 31.04082 | 104.8186 | -0.58195 |
| 13 | 166 | 50 | 2 | -9.57143 | -21.2381 | 91.61224 | 451.0567 | -0.99976 |
| 14 | 199 | 100 | 1 | 23.42857 | 28.7619 | 548.898 | 827.2472 | 2.447162 |
| 15 | 180 | 65 | 2 | 4.428571 | -6.2381 | 19.61224 | 38.91383 | 0.462573 |
| 16 | 167 | 61 | 2 | -8.57143 | -10.2381 | 73.46939 | 104.8186 | -0.8953 |
| 17 | 175 | 84 | 1 | -0.57143 | 12.7619 | 0.326531 | 162.8662 | -0.05969 |
| 18 | 183 | 91 | 1 | 7.428571 | 19.7619 | 55.18367 | 390.5329 | 0.775929 |
| 19 | 173 | 120 | 1 | -2.57143 | 48.7619 | 6.612245 | 2377.723 | -0.26859 |
| 20 | 183 | 65 | 2 | 7.428571 | -6.2381 | 55.18367 | 38.91383 | 0.775929 |
| 21 | 169 | 53 | 2 | -6.57143 | -18.2381 | 43.18367 | 332.6281 | -0.6864 |
| | | | | | | s_V^2 | s_H^2 | |
| m | 175.5714 | 71.23809524 | | | | 91.65714 | 363.6905 | |
| s | 9.573774 | 19.07067058 | | | kontrola | 9.573774 | 19.07067 | |

| zHi | zV x zH | Hi^ | ei |
|----------|----------|----------|----------|
| 0.354571 | 0.164015 | 77.19106 | 0.808941 |
| -0.3271 | 0.190357 | 63.74888 | 1.251117 |
| -1.00878 | 0.797794 | 61.06045 | -9.06045 |
| 0.983809 | 1.790975 | 94.66589 | -4.66589 |
| 0.721627 | 0.333805 | 77.19106 | 7.808941 |
| -1.21853 | 1.345504 | 57.0278 | -9.0278 |
| 0.092388 | 0.023436 | 74.50262 | -1.50262 |
| -0.58929 | 0.035173 | 70.46997 | -10.47 |
| -0.85147 | 0.940199 | 57.0278 | -2.0278 |
| 0.774063 | 0.762323 | 83.91215 | 2.087853 |
| -0.90391 | 1.186929 | 54.33936 | -0.33936 |
| -0.53685 | 0.312418 | 63.74888 | -2.74888 |
| -1.11365 | 1.113379 | 58.37201 | -8.37201 |
| 1.508175 | 3.690747 | 102.7312 | -2.73119 |
| -0.3271 | -0.15131 | 77.19106 | -12.1911 |
| -0.53685 | 0.480644 | 59.71623 | 1.28377 |
| 0.66919 | -0.03994 | 70.46997 | 13.53003 |
| 1.036246 | 0.804054 | 81.22371 | 9.776288 |
| 2.556906 | -0.68676 | 67.78154 | 52.21846 |
| -0.3271 | -0.25381 | 81.22371 | -16.2237 |
| -0.95634 | 0.656433 | 62.40467 | -9.40467 |

Jednoduchá regrese

b 1.344218
a -164.768

R² 0.674818
SS 3961.465

významnost

r 0.674818 t 3.98581
kontrola r 0.674818 df 19
r2 0.45538 p 0.000904

VÝSLEDEK

| <i>Regresní statistika</i> | |
|----------------------------|----------|
| Násobné R | 0.674818 |
| Hodnota s_e | 0.45538 |
| Nastavená | 0.426715 |
| Chyba stř. l | 14.43947 |
| Pozorování | 21 |

ANOVA

| | <i>Rozdíl</i> | <i>SS</i> | <i>MS</i> | <i>F</i> | <i>ýznamnost F</i> |
|---------|---------------|-----------|-----------|----------|--------------------|
| Regrese | 1 | 3312.344 | 3312.344 | 15.88668 | 0.000791 |
| Rezidua | 19 | 3961.465 | 208.4982 | | |
| Celkem | 20 | 7273.81 | | | |

| | <i>Koeficienty</i> | <i>ba stř. hodn</i> | <i>t Stat</i> | <i>Hodnota P</i> | <i>Dolní 95%</i> | <i>Horní 95%</i> | <i>Dolní 95,0%</i> |
|-----------|--------------------|---------------------|---------------|------------------|------------------|------------------|--------------------|
| Hranice | -164.768 | 59.29538 | -2.77877 | 0.011964 | -288.875 | -40.6614 | -288.875 |
| výška (V) | 1.344218 | 0.337251 | 3.98581 | 0.000791 | 0.638344 | 2.050092 | 0.638344 |

Horní 95,0%

-40.6614

2.050092