

| Height | Male | Weight | Row | J | K | L | M | N | O | P | Q | R |
|--------|------|--------|-----|--|-----------|-----------|---|----------|---------------------|--------|---------|--------|
| 67 | 0 | 125 | 2 | Generate Summary Statistics by Gender: | | | | | | | | |
| 62 | 0 | 120 | 3 | Averages | Male=1 | Male=0 | AVERAGEIFS() requires Excel 2007 or newer | | | | | |
| 65.5 | 0 | 120 | 4 | Height | 70.8 | 65.4 | =AVERAGEIFS(\$C2:\$C93,\$D2:\$D93,"=0") | | | | | |
| 66 | 0 | 120 | 5 | Weight | 158.3 | 123.8 | =AVERAGEIFS(\$E2:\$E93,\$D2:\$D93,"=0") | | | | | |
| 62.75 | 0 | 112 | 6 | =AVERAGEIFS(\$E2:\$E93,\$D2:\$D93,"=1") | | | | | | | | |
| 65 | 0 | 122 | 7 | AVERAGEIFS function allows data to be <i>separate</i> from the criteria. | | | | | | | | |
| 66 | 0 | 130 | 8 | J | K | L | M | N | O | P | Q | R |
| 66 | 0 | 125 | 9 | SUMMARY OUTPUT | | | | | | | | |
| 65 | 0 | 115 | 10 | | | | | | | | | |
| 70 | 0 | 125 | 11 | <u>Regression Statistics</u> | | | | | | | | |
| 69 | 0 | 150 | 12 | Multiple R | 0.81 | | | | | | | |
| 62 | 0 | 110 | 13 | R Square | 0.66 | | | | | | | |
| 63 | 0 | 118 | 14 | Adjusted R Sq | 0.65 | | | | | | | |
| 68 | 0 | 110 | 15 | Standard Error | 13.98 | | | | | | | |
| 62 | 0 | 108 | 16 | Observations | 92 | | | | | | | |
| 61.75 | 0 | 108 | 17 | | | | | | | | | |
| 68 | 0 | 130 | 18 | ANOVA | | | | | | | | |
| 69 | 0 | 145 | 19 | | <i>df</i> | <i>SS</i> | <i>MS</i> | <i>F</i> | <i>gnificance F</i> | | | |
| 67 | 0 | 115 | 20 | Regression | 2 | 33887 | 16943 | 86.68 | 1.3E-21 | | | |
| 68 | 0 | 133 | 21 | Residual | 89 | 17397 | 195.47 | | | | | |
| 68 | 0 | 125 | 22 | Total | 91 | 51284 | | | | | | |
| 64 | 0 | 102 | 23 | | | | | | | | | |
| 68 | 0 | 138 | 24 | <u>Coefficients</u> <i>Standard Error</i> <i>t Stat</i> <i>P-value</i> <i>Lower 95%</i> <i>Upper 95%</i> <i>Lower 95.0%</i> <i>Upper 95.0%</i> | | | | | | | | |
| 63 | 0 | 116 | 25 | Intercept | -117.60 | 37.50 | -3.14 | 0.00 | -192.11 | -43.08 | -192.11 | -43.08 |
| 66 | 0 | 130 | 26 | Height | 3.69 | 0.57 | 6.45 | 0.00 | 2.55 | 4.83 | 2.55 | 4.83 |
| 65 | 0 | 118 | 27 | Male? | 14.70 | 4.29 | 3.43 | 0.00 | 6.18 | 23.22 | 6.18 | 23.22 |
| 67 | 0 | 150 | 28 | | | | | | | | | |
| 63 | 0 | 95 | 29 | | | | | | | | | |
| 69 | 0 | 150 | 30 | | | | | | | | | |
| 65 | 0 | 135 | 31 | J | K | L | M | N | O | P | | |
| 64 | 0 | 125 | 32 | Height | Male | Weight | | | | | | |
| 62 | 0 | 131 | 33 | 60 | 0 | 104 | =K\$25+K\$26*J33+K\$27*K33 | | | | | |
| 61 | 0 | 140 | 34 | 76 | 0 | 163 | Pull down L33 to L36. | | | | | |
| 68 | 0 | 116 | 35 | 60 | 1 | 119 | | | | | | |
| 63 | 0 | 121 | 36 | 76 | 1 | 178 | | | | | | |
| 68 | 1 | 150 | | Height | Male | Weight | | | | | | |
| 69 | 1 | 145 | | J | K | L | | | | | | |
| 69 | 1 | 160 | | | | | | | | | | |
| 72 | 1 | 145 | | | | | | | | | | |
| 66 | 1 | 135 | | | | | | | | | | |
| 71 | 1 | 170 | | | | | | | | | | |
| 71 | 1 | 155 | | | | | | | | | | |
| 71.5 | 1 | 164 | | | | | | | | | | |
| 73.5 | 1 | 160 | | | | | | | | | | |
| 72 | 1 | 195 | | | | | | | | | | |

| | | |
|------|---|-----|
| 72 | 1 | 175 |
| 74 | 1 | 190 |
| 70 | 1 | 155 |
| 73 | 1 | 155 |
| 66 | 1 | 140 |
| 69 | 1 | 155 |
| 75 | 1 | 160 |
| 73 | 1 | 190 |
| 69 | 1 | 175 |
| 70 | 1 | 130 |
| 74 | 1 | 190 |
| 67 | 1 | 145 |
| 74 | 1 | 180 |
| 67 | 1 | 150 |
| 71 | 1 | 150 |
| 69.5 | 1 | 150 |
| 72 | 1 | 142 |
| 68 | 1 | 155 |
| 73 | 1 | 170 |
| 71 | 1 | 170 |
| 75 | 1 | 185 |
| 66 | 1 | 130 |
| 70 | 1 | 150 |
| 75 | 1 | 190 |
| 66 | 1 | 135 |
| 69 | 1 | 170 |
| 68 | 1 | 155 |
| 71 | 1 | 140 |
| 73 | 1 | 165 |
| 70 | 1 | 157 |
| 73 | 1 | 155 |
| 73 | 1 | 155 |
| 67 | 1 | 123 |
| 71 | 1 | 138 |
| 72 | 1 | 215 |
| 74 | 1 | 148 |
| 72 | 1 | 180 |
| 72 | 1 | 155 |
| 73 | 1 | 180 |
| 72 | 1 | 150 |
| 69 | 1 | 136 |
| 73.5 | 1 | 155 |
| 74 | 1 | 160 |
| 67 | 1 | 140 |
| 68 | 1 | 145 |
| 70 | 1 | 153 |
| 69 | 1 | 150 |

