**High**

**Data:-**

**e**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Hight(X) | Shoe Size(US)(Y) | X \* X | Y \* Y | X \* Y | Size(Predicted) | E | E^2 |
| 180 | 9 | 32400 | 81 | 1620 | 8.234 | 0.766 | 0.587 |
| 165 | 8 | 27225 | 64 | 1320 | 7.587 | 0.413 | 0.170 |
| 178 | 9 | 31684 | 81 | 1602 | 8.148 | 0.852 | 0.727 |
| 160 | 10 | 25600 | 100 | 1600 | 7.372 | 2.628 | 6.906 |
| 182 | 6 | 33124 | 36 | 1092 | 8.320 | -2.320 | 5.382 |
| 158 | 6 | 24964 | 36 | 948 | 7.286 | -1.286 | 1.654 |
| 165 | 6 | 27225 | 36 | 990 | 7.587 | -1.587 | 2.520 |
| 181 | 10 | 32761 | 100 | 1810 | 8.277 | 1.723 | 2.969 |
| 184 | 10 | 33856 | 100 | 1840 | 8.406 | 1.594 | 2.541 |
| 180 | 11 | 32400 | 121 | 1980 | 8.234 | 2.766 | 7.652 |
| 179 | 9 | 32041 | 81 | 1611 | 8.191 | 0.809 | 0.655 |
| 177 | 10 | 31329 | 100 | 1770 | 8.104 | 1.896 | 3.593 |
| 178 | 9 | 31684 | 81 | 1602 | 8.148 | 0.852 | 0.727 |
| 165 | 7 | 27225 | 49 | 1155 | 7.587 | -0.587 | 0.345 |
| 160 | 6 | 25600 | 36 | 960 | 7.372 | -1.372 | 1.883 |
| 185 | 11 | 34225 | 121 | 2035 | 8.449 | 2.551 | 6.507 |
| 174 | 8 | 30276 | 64 | 1392 | 7.975 | 0.025 | 0.001 |
| 164 | 6 | 26896 | 36 | 984 | 7.544 | -1.544 | 2.385 |
| 174 | 11 | 30276 | 121 | 1914 | 7.975 | 3.025 | 9.149 |
| 181 | 10 | 32761 | 100 | 1810 | 8.277 | 1.723 | 2.969 |
| 172 | 9 | 29584 | 81 | 1548 | 7.889 | 1.111 | 1.234 |
| 163 | 6 | 26569 | 36 | 978 | 7.501 | -1.501 | 2.254 |
| 168 | 6.5 | 28224 | 42.25 | 1092 | 7.717 | -1.217 | 1.480 |
| 165 | 9 | 27225 | 81 | 1485 | 7.587 | 1.413 | 1.995 |
| 170 | 8 | 28900 | 64 | 1360 | 7.803 | 0.197 | 0.039 |
| 174 | 11 | 30276 | 121 | 1914 | 7.975 | 3.025 | 9.149 |
| 189 | 9 | 35721 | 81 | 1701 | 8.621 | 0.379 | 0.143 |
| 185 | 9 | 34225 | 81 | 1665 | 8.449 | 0.551 | 0.303 |
| 195 | 8 | 38025 | 64 | 1560 | 8.880 | -0.880 | 0.774 |
| 149 | 6.5 | 22201 | 42.25 | 968.5 | 6.898 | -0.398 | 0.159 |
| 189 | 9 | 35721 | 81 | 1701 | 8.621 | 0.379 | 0.143 |
| 147 | 6 | 21609 | 36 | 882 | 6.812 | -0.812 | 0.659 |
| 154 | 11 | 23716 | 121 | 1694 | 7.114 | 3.886 | 15.104 |
| 174 | 7 | 30276 | 49 | 1218 | 7.975 | -0.975 | 0.951 |
| 169 | 8 | 28561 | 64 | 1352 | 7.760 | 0.240 | 0.058 |
| 195 | 8 | 38025 | 64 | 1560 | 8.880 | -0.880 | 0.774 |
| 159 | 6.5 | 25281 | 42.25 | 1033.5 | 7.329 | -0.829 | 0.687 |
| 192 | 11 | 36864 | 121 | 2112 | 8.751 | 2.249 | 5.059 |
| 155 | 6 | 24025 | 36 | 930 | 7.157 | -1.157 | 1.338 |
| 191 | 8 | 36481 | 64 | 1528 | 8.708 | -0.708 | 0.501 |
| 153 | 6 | 23409 | 36 | 918 | 7.070 | -1.070 | 1.146 |
| 157 | 7 | 24649 | 49 | 1099 | 7.243 | -0.243 | 0.059 |
| 140 | 6.5 | 19600 | 42.25 | 910 | 6.510 | -0.010 | 0.000 |
| 144 | 6 | 20736 | 36 | 864 | 6.683 | -0.683 | 0.466 |
| 172 | 10 | 29584 | 100 | 1720 | 7.889 | 2.111 | 4.456 |
| 157 | 11 | 24649 | 121 | 1727 | 7.243 | 3.757 | 14.116 |
| 153 | 7 | 23409 | 49 | 1071 | 7.070 | -0.070 | 0.005 |
| 169 | 6.5 | 28561 | 42.25 | 1098.5 | 7.760 | -1.260 | 1.587 |
| 185 | 11 | 34225 | 121 | 2035 | 8.449 | 2.551 | 6.507 |
| 172 | 6 | 29584 | 36 | 1032 | 7.889 | -1.889 | 3.569 |
| 151 | 6 | 22801 | 36 | 906 | 6.984 | -0.984 | 0.969 |
| 190 | 9 | 36100 | 81 | 1710 | 8.665 | 0.335 | 0.113 |
| 187 | 7 | 34969 | 49 | 1309 | 8.535 | -1.535 | 2.357 |
| 163 | 7 | 26569 | 49 | 1141 | 7.501 | -0.501 | 0.251 |
| 151 | 6.5 | 22801 | 42.25 | 981.5 | 6.984 | -0.484 | 0.235 |
| 190 | 9 | 36100 | 81 | 1710 | 8.665 | 0.335 | 0.113 |
| 187 | 6.5 | 34969 | 42.25 | 1215.5 | 8.535 | -2.035 | 4.142 |
| 163 | 7 | 26569 | 49 | 1141 | 7.501 | -0.501 | 0.251 |
| 179 | 9 | 32041 | 81 | 1611 | 8.191 | 0.809 | 0.655 |
| 153 | 9 | 23409 | 81 | 1377 | 7.070 | 1.930 | 3.723 |
| 178 | 7 | 31684 | 49 | 1246 | 8.148 | -1.148 | 1.317 |
| 195 | 6.5 | 38025 | 42.25 | 1267.5 | 8.880 | -2.380 | 5.664 |
| 160 | 6.5 | 25600 | 42.25 | 1040 | 7.372 | -0.872 | 0.761 |
| 157 | 7 | 24649 | 49 | 1099 | 7.243 | -0.243 | 0.059 |
| 189 | 7 | 35721 | 49 | 1323 | 8.621 | -1.621 | 2.629 |
| 197 | 8 | 38809 | 64 | 1576 | 8.966 | -0.966 | 0.933 |
| 171 | 8 | 29241 | 64 | 1368 | 7.846 | 0.154 | 0.024 |
| 185 | 9 | 34225 | 81 | 1665 | 8.449 | 0.551 | 0.303 |
| 175 | 7 | 30625 | 49 | 1225 | 8.018 | -1.018 | 1.037 |
| 149 | 6.5 | 22201 | 42.25 | 968.5 | 6.898 | -0.398 | 0.159 |
| 157 | 6.5 | 24649 | 42.25 | 1020.5 | 7.243 | -0.743 | 0.552 |
| 161 | 8 | 25921 | 64 | 1288 | 7.415 | 0.585 | 0.342 |
| 182 | 9 | 33124 | 81 | 1638 | 8.320 | 0.680 | 0.463 |
| 185 | 7 | 34225 | 49 | 1295 | 8.449 | -1.449 | 2.100 |
| 188 | 9 | 35344 | 81 | 1692 | 8.578 | 0.422 | 0.178 |
| 181 | 8 | 32761 | 64 | 1448 | 8.277 | -0.277 | 0.077 |
| 161 | 7 | 25921 | 49 | 1127 | 7.415 | -0.415 | 0.172 |
| 168 | 8 | 28224 | 64 | 1344 | 7.717 | 0.283 | 0.080 |
| 176 | 6.5 | 30976 | 42.25 | 1144 | 8.061 | -1.561 | 2.438 |
| 163 | 8 | 26569 | 64 | 1304 | 7.501 | 0.499 | 0.249 |
| 172 | 9 | 29584 | 81 | 1548 | 7.889 | 1.111 | 1.234 |
| 196 | 11 | 38416 | 121 | 2156 | 8.923 | 2.077 | 4.314 |
| 187 | 7 | 34969 | 49 | 1309 | 8.535 | -1.535 | 2.357 |
| 172 | 7 | 29584 | 49 | 1204 | 7.889 | -0.889 | 0.790 |
| 178 | 9 | 31684 | 81 | 1602 | 8.148 | 0.852 | 0.727 |
| 164 | 6.5 | 26896 | 42.25 | 1066 | 7.544 | -1.044 | 1.091 |
| 191 | 6.5 | 36481 | 42.25 | 1241.5 | 8.708 | -2.208 | 4.874 |
| 193 | 7 | 37249 | 49 | 1351 | 8.794 | -1.794 | 3.218 |
| 190 | 7 | 36100 | 49 | 1330 | 8.665 | -1.665 | 2.771 |
| 175 | 8 | 30625 | 64 | 1400 | 8.018 | -0.018 | 0.000 |
| 179 | 8 | 32041 | 64 | 1432 | 8.191 | -0.191 | 0.036 |
| 172 | 7 | 29584 | 49 | 1204 | 7.889 | -0.889 | 0.790 |
| 168 | 6.5 | 28224 | 42.25 | 1092 | 7.717 | -1.217 | 1.480 |
| 164 | 6 | 26896 | 36 | 984 | 7.544 | -1.544 | 2.385 |
| 194 | 9 | 37636 | 81 | 1746 | 8.837 | 0.163 | 0.027 |
| 178 | 8 | 31684 | 64 | 1424 | 8.148 | -0.148 | 0.022 |
| 180 | 9 | 32400 | 81 | 1620 | 8.234 | 0.766 | 0.587 |
| 185 | 9 | 34225 | 81 | 1665 | 8.449 | 0.551 | 0.303 |
| 197 | 8 | 38809 | 64 | 1576 | 8.966 | -0.966 | 0.933 |
| 165 | 7 | 27225 | 49 | 1155 | 7.587 | -0.587 | 0.345 |
| 168 | 7 | 28224 | 49 | 1176 | 7.717 | -0.717 | 0.514 |
| 176 | 8 | 30976 | 64 | 1408 | 8.061 | -0.061 | 0.004 |
| 181 | 8 | 32761 | 64 | 1448 | 8.277 | -0.277 | 0.077 |
| 164 | 8 | 26896 | 64 | 1312 | 7.544 | 0.456 | 0.208 |
| 166 | 8 | 27556 | 64 | 1328 | 7.631 | 0.369 | 0.136 |
| 190 | 9 | 36100 | 81 | 1710 | 8.665 | 0.335 | 0.113 |
| 186 | 10 | 34596 | 100 | 1860 | 8.492 | 1.508 | 2.273 |
| 168 | 9 | 28224 | 81 | 1512 | 7.717 | 1.283 | 1.647 |
| 183 | 7 | 33489 | 49 | 1281 | 8.363 | -1.363 | 1.858 |
| 18901 | 866.5 | 3297423 | 7126.75 | 151112.5 | 866.500 |  | 201.498 |

**Size(US)(Y) X \* X Y \* Y X \* Y Size(Predicted) E E^2**

**180 9 32400 81 1620 8.233729901 0.766270099 0.587169865**

**165 8 27225 64 1320 7.587487496 0.412512504 0.170166566**

**178 9 31684 81 1602 8.147564247 0.852435753 0.726646713**

**160 10 25600 100 1600 7.372073361 2.627926639 6.90599842**

**182 6 33124 36 1092 8.319895555 -2.319895555 5.381915386**

**158 6 24964 36 948 7.285907707 -1.285907707 1.653558631**

**165 6 27225 36 990 7.587487496 -1.587487496 2.52011655**

**181 10 32761 100 1810 8.276812728 1.723187272 2.969374374**

**184 10 33856 100 1840 8.406061209 1.593938791 2.540640869**

**180 11 32400 121 1980 8.233729901 2.766270099 7.652250261**

**179 9 32041 81 1611 8.190647074 0.809352926 0.655052159**

**177 10 31329 100 1770 8.10448142 1.89551858 3.592990687**

**178 9 31684 81 1602 8.147564247 0.852435753 0.726646713**

**165 7 27225 49 1155 7.587487496 -0.587487496 0.345141558**

**160 6 25600 36 960 7.372073361 -1.372073361 1.882585308**

**185 11 34225 121 2035 8.449144036 2.550855964 6.506866149**

**174 8 30276 64 1392 7.975232939 0.024767061 0.000613407**

**164 6 26896 36 984 7.544404669 -1.544404669 2.385185782**

**174 11 30276 121 1914 7.975232939 3.024767061 9.149215773**

**181 10 32761 100 1810 8.276812728 1.723187272 2.969374374**

**172 9 29584 81 1548 7.889067285 1.110932715 1.234171497**

**163 6 26569 36 978 7.501321842 -1.501321842 2.253967273**

**168 6.5 28224 42.25 1092 7.716735977 -1.216735977 1.480446438**

**165 9 27225 81 1485 7.587487496 1.412512504 1.995191574**

**170 8 28900 64 1360 7.802901631 0.197098369 0.038847767**

**174 11 30276 121 1914 7.975232939 3.024767061 9.149215773**

**189 9 35721 81 1701 8.621475344 0.378524656 0.143280915**

**185 9 34225 81 1665 8.449144036 0.550855964 0.303442293**

**195 8 38025 64 1560 8.879972306 -0.879972306 0.774351259**

**149 6.5 22201 42.25 968.5 6.898162264 -0.398162264 0.158533188**

**189 9 35721 81 1701 8.621475344 0.378524656 0.143280915**

**147 6 21609 36 882 6.81199661 -0.81199661 0.659338495**

**154 11 23716 121 1694 7.113576399 3.886423601 15.10428841**

**174 7 30276 49 1218 7.975232939 -0.975232939 0.951079285**

**169 8 28561 64 1352 7.759818804 0.240181196 0.057687007**

**195 8 38025 64 1560 8.879972306 -0.879972306 0.774351259**

**159 6.5 25281 42.25 1033.5 7.328990534 -0.828990534 0.687225305**

**192 11 36864 121 2112 8.750723825 2.249276175 5.059243311**

**155 6 24025 36 930 7.156659226 -1.156659226 1.337860565**

**191 8 36481 64 1528 8.707640998 -0.707640998 0.500755782**

**153 6 23409 36 918 7.070493572 -1.070493572 1.145956488**

**157 7 24649 49 1099 7.24282488 -0.24282488 0.058963922**

**140 6.5 19600 42.25 910 6.510416821 -0.010416821 0.00010851**

**144 6 20736 36 864 6.682748129 -0.682748129 0.466145008**

**172 10 29584 100 1720 7.889067285 2.110932715 4.456036927**

**157 11 24649 121 1727 7.24282488 3.75717512 14.11636488**

**153 7 23409 49 1071 7.070493572 -0.070493572 0.004969344**

**169 6.5 28561 42.25 1098.5 7.759818804 -1.259818804 1.587143419**

**185 11 34225 121 2035 8.449144036 2.550855964 6.506866149**

**172 6 29584 36 1032 7.889067285 -1.889067285 3.568575207**

**151 6 22801 36 906 6.984327918 -0.984327918 0.96890145**

**190 9 36100 81 1710 8.664558171 0.335441829 0.112521221**

**187 7 34969 49 1309 8.53530969 -1.53530969 2.357175844**

**163 7 26569 49 1141 7.501321842 -0.501321842 0.251323589**

**151 6.5 22801 42.25 981.5 6.984327918 -0.484327918 0.234573532**

**190 9 36100 81 1710 8.664558171 0.335441829 0.112521221**

**187 6.5 34969 42.25 1215.5 8.53530969 -2.03530969 4.142485534**

**163 7 26569 49 1141 7.501321842 -0.501321842 0.251323589**

**179 9 32041 81 1611 8.190647074 0.809352926 0.655052159**

**153 9 23409 81 1377 7.070493572 1.929506428 3.722995056**

**178 7 31684 49 1246 8.147564247 -1.147564247 1.316903701**

**195 6.5 38025 42.25 1267.5 8.879972306 -2.379972306 5.664268177**

**160 6.5 25600 42.25 1040 7.372073361 -0.872073361 0.760511947**

**157 7 24649 49 1099 7.24282488 -0.24282488 0.058963922**

**189 7 35721 49 1323 8.621475344 -1.621475344 2.629182291**

**197 8 38809 64 1576 8.96613796 -0.96613796 0.933422558**

**171 8 29241 64 1368 7.845984458 0.154015542 0.023720787**

**185 9 34225 81 1665 8.449144036 0.550855964 0.303442293**

**175 7 30625 49 1225 8.018315766 -1.018315766 1.036966999**

**149 6.5 22201 42.25 968.5 6.898162264 -0.398162264 0.158533188**

**157 6.5 24649 42.25 1020.5 7.24282488 -0.74282488 0.551788802**

**161 8 25921 64 1288 7.415156188 0.584843812 0.342042284**

**182 9 33124 81 1638 8.319895555 0.680104445 0.462542056**

**185 7 34225 49 1295 8.449144036 -1.449144036 2.100018437**

**188 9 35344 81 1692 8.578392517 0.421607483 0.17775287**

**181 8 32761 64 1448 8.276812728 -0.276812728 0.076625286**

**161 7 25921 49 1127 7.415156188 -0.415156188 0.17235466**

**168 8 28224 64 1344 7.716735977 0.283264023 0.080238507**

**176 6.5 30976 42.25 1144 8.061398593 -1.561398593 2.437965566**

**163 8 26569 64 1304 7.501321842 0.498678158 0.248679905**

**172 9 29584 81 1548 7.889067285 1.110932715 1.234171497**

**196 11 38416 121 2156 8.923055133 2.076944867 4.313699981**

**187 7 34969 49 1309 8.53530969 -1.53530969 2.357175844**

**172 7 29584 49 1204 7.889067285 -0.889067285 0.790440637**

**178 9 31684 81 1602 8.147564247 0.852435753 0.726646713**

**164 6.5 26896 42.25 1066 7.544404669 -1.044404669 1.090781113**

**191 6.5 36481 42.25 1241.5 8.707640998 -2.207640998 4.873678776**

**193 7 37249 49 1351 8.793806652 -1.793806652 3.217742305**

**190 7 36100 49 1330 8.664558171 -1.664558171 2.770753905**

**175 8 30625 64 1400 8.018315766 -0.018315766 0.000335467**

**179 8 32041 64 1432 8.190647074 -0.190647074 0.036346307**

**172 7 29584 49 1204 7.889067285 -0.889067285 0.790440637**

**168 6.5 28224 42.25 1092 7.716735977 -1.216735977 1.480446438**

**164 6 26896 36 984 7.544404669 -1.544404669 2.385185782**

**194 9 37636 81 1746 8.836889479 0.163110521 0.026605042**

**178 8 31684 64 1424 8.147564247 -0.147564247 0.021775207**

**180 9 32400 81 1620 8.233729901 0.766270099 0.587169865**

**185 9 34225 81 1665 8.449144036 0.550855964 0.303442293**

**197 8 38809 64 1576 8.96613796 -0.96613796 0.933422558**

**165 7 27225 49 1155 7.587487496 -0.587487496 0.345141558**

**168 7 28224 49 1176 7.716735977 -0.716735977 0.513710461**

**176 8 30976 64 1408 8.061398593 -0.061398593 0.003769787**

**181 8 32761 64 1448 8.276812728 -0.276812728 0.076625286**

**164 8 26896 64 1312 7.544404669 0.455595331 0.207567106**

**166 8 27556 64 1328 7.630570323 0.369429677 0.136478286**

**190 9 36100 81 1710 8.664558171 0.335441829 0.112521221**

**186 10 34596 100 1860 8.492226863 1.507773137 2.273379833**

**168 9 28224 81 1512 7.716735977 1.283264023 1.646766553**

**183 7 33489 49 1281 8.362978382 -1.362978382 1.85771007**

**18901 866.5 3297423 7126.75 151112.5 866.5000066 201.4979257**