

Severe Discrepancy

Minnesota Regression Table

Minnesota Regression Table

Correlation between Ability and Achievement Tests (r_{xy})

| Ability Score | Correlation | | | | | | | | | | |
|---------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | .32 | .37 | .42 | .47 | .52 | .57 | .62 | .67 | .72 | .77 | .82 |
| | Achievement Standard Scores | | | | | | | | | | |
| 75 | 67 | 66 | 66 | 65 | 65 | 64 | 64 | 64 | 64 | 64 | 64 |
| 76 | 67 | 67 | 67 | 66 | 66 | 65 | 65 | 65 | 64 | 65 | 65 |
| 77 | 68 | 67 | 67 | 66 | 66 | 65 | 65 | 65 | 65 | 66 | 66 |
| 78 | 68 | 67 | 67 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| 79 | 68 | 68 | 67 | 67 | 67 | 66 | 66 | 66 | 67 | 67 | 68 |
| 80 | 69 | 69 | 68 | 68 | 67 | 67 | 67 | 67 | 67 | 68 | 69 |
| 81 | 69 | 69 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 69 | 69 |
| 82 | 69 | 69 | 69 | 68 | 68 | 68 | 68 | 68 | 69 | 69 | 70 |
| 83 | 70 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 70 | 70 | 71 |
| 84 | 70 | 70 | 69 | 69 | 69 | 69 | 69 | 70 | 70 | 71 | 72 |
| 85 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 71 | 72 | 73 |
| 86 | 71 | 70 | 70 | 70 | 70 | 70 | 71 | 71 | 72 | 72 | 73 |
| 87 | 71 | 70 | 71 | 71 | 71 | 71 | 71 | 72 | 72 | 73 | 74 |
| 88 | 71 | 70 | 71 | 71 | 71 | 72 | 72 | 72 | 73 | 74 | 75 |
| 89 | 72 | 72 | 72 | 72 | 72 | 72 | 73 | 73 | 74 | 75 | 76 |
| 90 | 72 | 72 | 72 | 72 | 72 | 73 | 73 | 74 | 75 | 76 | 77 |
| 91 | 72 | 72 | 72 | 73 | 73 | 73 | 74 | 74 | 75 | 76 | 78 |
| 92 | 73 | 73 | 73 | 73 | 73 | 74 | 74 | 75 | 76 | 77 | 78 |
| 93 | 73 | 73 | 73 | 74 | 74 | 74 | 75 | 76 | 77 | 78 | 89 |
| 94 | 73 | 73 | 74 | 74 | 74 | 75 | 76 | 76 | 77 | 79 | 80 |
| 95 | 74 | 74 | 74 | 74 | 75 | 76 | 76 | 77 | 78 | 79 | 81 |
| 96 | 74 | 74 | 74 | 75 | 75 | 76 | 77 | 78 | 79 | 80 | 82 |
| 97 | 74 | 75 | 75 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 83 |
| 98 | 74 | 75 | 75 | 76 | 77 | 77 | 78 | 79 | 80 | 82 | 83 |
| 99 | 75 | 75 | 76 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 84 |
| 100 | 75 | 76 | 76 | 77 | 78 | 78 | 79 | 81 | 82 | 83 | 85 |
| 101 | 75 | 76 | 77 | 77 | 78 | 79 | 80 | 81 | 83 | 84 | 86 |
| 102 | 76 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 85 | 87 |
| 103 | 76 | 77 | 77 | 78 | 79 | 80 | 81 | 83 | 84 | 86 | 87 |
| 104 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 85 | 86 | 88 |
| 105 | 77 | 77 | 78 | 79 | 80 | 81 | 83 | 84 | 85 | 87 | 89 |
| 106 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 85 | 86 | 88 | 90 |
| 107 | 77 | 78 | 79 | 80 | 81 | 82 | 84 | 85 | 87 | 89 | 91 |
| 108 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 86 | 88 | 89 | 92 |
| 109 | 78 | 79 | 80 | 81 | 82 | 84 | 85 | 87 | 88 | 90 | 92 |
| 110 | 78 | 79 | 80 | 82 | 83 | 84 | 86 | 87 | 89 | 91 | 93 |
| 111 | 79 | 80 | 81 | 82 | 83 | 85 | 86 | 88 | 90 | 92 | 94 |
| 112 | 79 | 80 | 81 | 82 | 83 | 85 | 86 | 88 | 90 | 92 | 94 |
| 113 | 79 | 80 | 82 | 83 | 84 | 86 | 87 | 89 | 91 | 93 | 96 |
| 114 | 80 | 81 | 82 | 83 | 85 | 86 | 88 | 90 | 92 | 94 | 96 |
| 115 | 80 | 81 | 82 | 84 | 85 | 87 | 89 | 91 | 93 | 95 | 97 |
| 116 | 80 | 82 | 83 | 84 | 86 | 88 | 89 | 91 | 93 | 96 | 98 |
| 117 | 81 | 82 | 83 | 85 | 86 | 88 | 90 | 92 | 94 | 96 | 99 |
| 118 | 81 | 82 | 84 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 100 |

Severe Discrepancy

| Ability Score | Correlation | | | | | | | | | | |
|---------------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | .32 | .37 | .42 | .47 | .52 | .57 | .62 | .67 | .72 | .77 | .82 |
| | Achievement Standard Scores | | | | | | | | | | |
| 119 | 81 | 83 | 84 | 86 | 87 | 89 | 91 | 93 | 95 | 98 | 101 |
| 120 | 82 | 83 | 85 | 86 | 88 | 90 | 92 | 94 | 96 | 99 | 101 |
| 121 | 82 | 83 | 85 | 87 | 88 | 90 | 92 | 95 | 97 | 99 | 102 |
| 122 | 82 | 84 | 85 | 87 | 89 | 91 | 93 | 95 | 98 | 100 | 103 |
| 123 | 82 | 84 | 86 | 88 | 90 | 92 | 94 | 96 | 98 | 101 | 104 |
| 124 | 83 | 84 | 86 | 88 | 90 | 92 | 94 | 97 | 99 | 102 | 105 |
| 125 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 100 | 103 | 105 |
| 126 | 83 | 85 | 87 | 89 | 91 | 93 | 96 | 98 | 101 | 103 | 106 |
| 127 | 84 | 86 | 88 | 90 | 92 | 94 | 96 | 99 | 101 | 104 | 107 |
| 128 | 84 | 86 | 88 | 90 | 92 | 94 | 97 | 99 | 102 | 105 | 108 |
| 129 | 84 | 86 | 88 | 90 | 93 | 95 | 97 | 100 | 103 | 106 | 109 |
| 130 | 85 | 87 | 89 | 91 | 93 | 96 | 98 | 101 | 103 | 106 | 110 |
| 131 | 85 | 87 | 89 | 91 | 94 | 96 | 99 | 101 | 104 | 107 | 110 |
| 132 | 85 | 87 | 90 | 92 | 94 | 97 | 99 | 102 | 105 | 108 | 111 |
| 133 | 86 | 88 | 90 | 92 | 95 | 97 | 100 | 103 | 106 | 109 | 112 |
| 134 | 86 | 88 | 90 | 93 | 95 | 98 | 100 | 103 | 106 | 109 | 113 |
| 135 | 86 | 89 | 91 | 93 | 96 | 98 | 101 | 104 | 107 | 110 | 114 |
| 136 | 87 | 89 | 91 | 94 | 96 | 99 | 102 | 105 | 108 | 111 | 114 |
| 137 | 87 | 89 | 92 | 94 | 97 | 100 | 102 | 105 | 108 | 112 | 115 |
| 138 | 87 | 90 | 92 | 95 | 97 | 100 | 103 | 106 | 109 | 113 | 116 |
| 139 | 88 | 90 | 93 | 95 | 98 | 101 | 104 | 107 | 110 | 113 | 117 |
| 140 | 88 | 90 | 93 | 96 | 98 | 101 | 104 | 107 | 111 | 114 | 118 |
| 141 | 88 | 91 | 93 | 96 | 99 | 102 | 105 | 108 | 111 | 115 | 119 |
| 142 | 89 | 91 | 94 | 97 | 99 | 102 | 105 | 109 | 112 | 116 | 119 |
| 143 | 89 | 92 | 94 | 97 | 100 | 103 | 106 | 109 | 113 | 116 | 120 |
| 144 | 89 | 92 | 95 | 98 | 100 | 104 | 107 | 110 | 113 | 117 | 121 |
| 145 | 90 | 92 | 95 | 98 | 101 | 104 | 107 | 111 | 114 | 118 | 122 |
| 146 | 90 | 93 | 95 | 98 | 101 | 105 | 108 | 111 | 115 | 119 | 123 |
| 147 | 90 | 93 | 96 | 99 | 102 | 105 | 109 | 112 | 116 | 119 | 124 |
| 148 | 90 | 93 | 96 | 99 | 103 | 106 | 109 | 113 | 116 | 120 | 124 |
| 149 | 91 | 94 | 97 | 100 | 103 | 106 | 110 | 113 | 117 | 121 | 125 |
| 150 | 91 | 94 | 97 | 100 | 104 | 107 | 110 | 114 | 118 | 122 | 126 |
| 151 | 91 | 94 | 98 | 101 | 104 | 108 | 111 | 115 | 119 | 123 | 127 |
| 152 | 92 | 95 | 98 | 101 | 105 | 108 | 112 | 115 | 119 | 123 | 128 |
| 153 | 92 | 95 | 98 | 102 | 105 | 109 | 112 | 116 | 120 | 124 | 128 |
| 154 | 92 | 96 | 99 | 102 | 106 | 109 | 113 | 117 | 121 | 125 | 129 |
| 155 | 93 | 96 | 99 | 103 | 106 | 110 | 114 | 117 | 121 | 126 | 130 |
| 156 | 93 | 96 | 100 | 103 | 107 | 110 | 114 | 119 | 122 | 126 | 131 |
| 157 | 93 | 97 | 100 | 104 | 107 | 111 | 115 | 119 | 123 | 127 | 132 |
| 158 | 94 | 97 | 101 | 104 | 108 | 111 | 115 | 119 | 124 | 128 | 133 |
| 159 | 94 | 97 | 101 | 105 | 108 | 112 | 116 | 120 | 124 | 129 | 133 |
| 160 | 94 | 98 | 101 | 105 | 109 | 113 | 117 | 121 | 125 | 129 | 134 |

Minnesota Regression Table

Note: Both the ability and achievement scores are based on a mean standard score of 100 with a standard deviation of ± 15 . In constructing this table, standard scores were rounded to the nearest whole number.