R outputs:

>survivedd <- read.csv("Desktop/New Stuff CMU/ForRLog.csv")

> survivedd$survive <- factor( ifelse( survivedd$survive==1, "yes", "no"))

>summary( model2 <- glm( survive ~ num\_easy\_y1, survivedd, family="binomial" ) )$coefficients

Estimate Std. Error z value Pr(>|z|)

(Intercept) -1.40897049 0.05531493 -25.471794 4.049610e-143

num\_easy\_y1 0.06601533 0.02346734 2.813072 4.907063e-03

> plot( survivedd$num\_easy\_y1, jitter(ifelse( survivedd$survive=="yes",1,0 ),.1), pch=20, xlab="Number of E-Easy Labels Completed", ylab="Likelihood of Survival" )

> inverselogit <- function(x){ exp(x) / (1+exp(x) ) }

> par(mar=c(5.1,4.1,4.1,2.1) )

> par(mar=c(5.1,5.1,4.1,2.1) )

> plot( -5:5, inverselogit(2\*(-5:5)), type="o", xlab="x", ylab=expression( hat(Y)~(proportion) ) )

>intercept <- coef( model2 )["(Intercept)"]

> num\_easy\_y1coef <- coef( model2 )["num\_easy\_y1"]

> > div4marginal <- num\_easy\_y1coef/4

> meannum\_easy\_y1 <- mean( survivedd$num\_easy\_y1 )

> marginal\_effect\_at\_mean <- inverselogit( intercept + num\_easy\_y1coef\*(meannum\_easy\_y1+1) ) - inverselogit( intercept + num\_easy\_y1coef\*meannum\_easy\_y1 )

> mean\_of\_sample\_marginal\_effects <- mean( dlogis( intercept+num\_easy\_y1coef\*survivedd$num\_easy\_y1 ) )\*num\_easy\_y1coef

$div\_by\_4

[1] 0.01650383

$at\_mean

[1] 0.01082658

$mean\_of\_marginal

[1] 0.01058855

> par( mfrow=c(1,3), mar=c(5.6, 4.1, 4.1, 2.1) )

> num\_easy\_y1s <- seq( min(survivedd$num\_easy\_y1), max(survivedd$num\_easy\_y1), by=.1 )

> proportion\_accepted <- inverselogit( intercept + num\_easy\_y1coef\*num\_easy\_y1s )

> plot( num\_easy\_y1s, proportion\_accepted, xlab="number of E-Easy done", ylab="Proportion survived", pch=16, cex=.25, main="Predicted outcome", type="o" )

> highergpas <- 55:length(proportion\_accepted)

> > lowergpas <- 0:length( proportion\_accepted[-(0:55)] )

Regression Analysis:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SUMMARY OUTPUT | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| *Regression Statistics* | |  |  |  |  |  |  |  |
| Multiple R | 0.13407336 |  |  |  |  |  |  |  |
| R Square | 0.01797566 |  |  |  |  |  |  |  |
| Adjusted R Square | 0.01706427 |  |  |  |  |  |  |  |
| Standard Error | 0.3981728 |  |  |  |  |  |  |  |
| Observations | 2158 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| ANOVA |  |  |  |  |  |  |  |  |
|  | *df* | *SS* | *MS* | *F* | *Significance F* |  |  |  |
| Regression | 2 | 6.25393201 | 3.12696601 | 19.7233185 | 3.2488E-09 |  |  |  |
| Residual | 2155 | 341.657097 | 0.15854158 |  |  |  |  |  |
| Total | 2157 | 347.911029 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | *Coefficients* | *Standard Error* | *t Stat* | *P-value* | *Lower 95%* | *Upper 95%* | *Lower 95.0%* | *Upper 95.0%* |
| Intercept | 0.19159986 | 0.00880773 | 21.753599 | 5.1364E-95 | 0.17432732 | 0.2088724 | 0.17432732 | 0.2088724 |
| effort | 3.1503E-06 | 5.919E-07 | 5.32240161 | 1.1303E-07 | 1.9896E-06 | 4.3111E-06 | 1.9896E-06 | 4.3111E-06 |
| num\_easy\_y1 | 0.01190792 | 0.00394256 | 3.02034928 | 0.0025545 | 0.00417629 | 0.01963954 | 0.00417629 | 0.01963954 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

Y= .19159986 + 3.1503E-06(x1) + .01190792 (x2) (Multiple Linear Predication)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| RESIDUAL OUTPUT | |  |  | PROBABILITY OUTPUT | |
|  |  |  |  |  |  |
| *Observation* | *Predicted survived* | *Residuals* |  | *Percentile* | *survived* |
| 1 | 0.19236224 | -0.192362235 |  | 0.0231696 | 0 |
| 2 | 0.20365269 | -0.203652694 |  | 0.0695088 | 0 |
| 3 | 0.20124296 | -0.20124296 |  | 0.11584801 | 0 |
| 4 | 0.19167232 | 0.808327683 |  | 0.16218721 | 0 |
| 5 | 0.19163766 | 0.808362336 |  | 0.20852641 | 0 |
| 6 | 0.19162506 | -0.191625062 |  | 0.25486562 | 0 |
| 7 | 0.19428392 | 0.805716076 |  | 0.30120482 | 0 |
| 8 | 0.19160616 | -0.191606161 |  | 0.34754402 | 0 |
| 9 | 0.19162191 | -0.191621912 |  | 0.39388323 | 0 |
| 10 | 0.19160616 | -0.191606161 |  | 0.44022243 | 0 |
| 11 | 0.19161876 | -0.191618762 |  | 0.48656163 | 0 |
| 12 | 0.19194324 | 0.808056756 |  | 0.53290083 | 0 |
| 13 | 0.21561417 | -0.215614168 |  | 0.57924004 | 0 |
| 14 | 0.19162506 | -0.191625062 |  | 0.62557924 | 0 |
| 15 | 0.19664036 | 0.803359644 |  | 0.67191844 | 0 |
| 16 | 0.19160616 | -0.191606161 |  | 0.71825765 | 0 |
| 17 | 0.19162506 | -0.191625062 |  | 0.76459685 | 0 |
| 18 | 0.37002083 | -0.370020832 |  | 0.81093605 | 0 |
| 19 | 0.19160616 | -0.191606161 |  | 0.85727525 | 0 |
| 20 | 0.19179203 | -0.191792029 |  | 0.90361446 | 0 |
| 21 | 0.19160616 | -0.191606161 |  | 0.94995366 | 0 |
| 22 | 0.19188969 | -0.191889688 |  | 0.99629286 | 0 |
| 23 | 0.20363379 | -0.203633792 |  | 1.04263207 | 0 |
| 24 | 0.19211651 | -0.192116511 |  | 1.08897127 | 0 |
| 25 | 0.19161246 | -0.191612461 |  | 1.13531047 | 0 |
| 26 | 0.19161246 | -0.191612461 |  | 1.18164968 | 0 |
| 27 | 0.26353882 | -0.263538824 |  | 1.22798888 | 0 |
| 28 | 0.19820606 | 0.801793939 |  | 1.27432808 | 0 |
| 29 | 0.19187079 | -0.191870787 |  | 1.32066728 | 0 |
| 30 | 0.1924788 | -0.192478796 |  | 1.36700649 | 0 |
| 31 | 0.19208186 | -0.192081857 |  | 1.41334569 | 0 |
| 32 | 0.19331678 | -0.193316779 |  | 1.45968489 | 0 |
| 33 | 0.19385548 | 0.806144518 |  | 1.5060241 | 0 |
| 34 | 0.23945521 | -0.239455209 |  | 1.5523633 | 0 |
| 35 | 0.19191804 | -0.191918041 |  | 1.5987025 | 0 |
| 36 | 0.19160616 | -0.191606161 |  | 1.64504171 | 0 |
| 37 | 0.19358771 | -0.193587706 |  | 1.69138091 | 0 |
| 38 | 0.19168177 | -0.191681768 |  | 1.73772011 | 0 |
| 39 | 0.19166602 | -0.191666016 |  | 1.78405931 | 0 |
| 40 | 0.19175423 | -0.191754225 |  | 1.83039852 | 0 |
| 41 | 0.1950337 | -0.195033698 |  | 1.87673772 | 0 |
| 42 | 0.20403728 | 0.795962715 |  | 1.92307692 | 0 |
| 43 | 0.19160616 | -0.191606161 |  | 1.96941613 | 0 |
| 44 | 0.19160301 | -0.19160301 |  | 2.01575533 | 0 |
| 45 | 0.19227088 | -0.192270876 |  | 2.06209453 | 0 |
| 46 | 0.19160616 | -0.191606161 |  | 2.10843373 | 0 |
| 47 | 0.22752209 | -0.227522087 |  | 2.15477294 | 0 |
| 48 | 0.19172272 | -0.191722722 |  | 2.20111214 | 0 |
| 49 | 0.19165026 | -0.191650265 |  | 2.24745134 | 0 |
| 50 | 0.19160616 | -0.191606161 |  | 2.29379055 | 0 |
| 51 | 0.20588941 | -0.205889414 |  | 2.34012975 | 0 |
| 52 | 0.19163766 | -0.191637664 |  | 2.38646895 | 0 |
| 53 | 0.19192749 | 0.808072508 |  | 2.43280816 | 0 |
| 54 | 0.19176368 | -0.191763676 |  | 2.47914736 | 0 |
| 55 | 0.19160616 | -0.191606161 |  | 2.52548656 | 0 |
| 56 | 0.19164396 | -0.191643964 |  | 2.57182576 | 0 |
| 57 | 0.19181093 | 0.808189069 |  | 2.61816497 | 0 |
| 58 | 0.19161876 | -0.191618762 |  | 2.66450417 | 0 |
| 59 | 0.19441624 | 0.805583763 |  | 2.71084337 | 0 |
| 60 | 0.19259221 | -0.192592208 |  | 2.75718258 | 0 |
| 61 | 0.19162821 | -0.191628213 |  | 2.80352178 | 0 |
| 62 | 0.19163136 | -0.191631363 |  | 2.84986098 | 0 |
| 63 | 0.19290724 | 0.807092761 |  | 2.89620019 | 0 |
| 64 | 0.19165026 | -0.191650265 |  | 2.94253939 | 0 |
| 65 | 0.20192028 | -0.201920276 |  | 2.98887859 | 0 |
| 66 | 0.19182983 | -0.191829833 |  | 3.03521779 | 0 |
| 67 | 0.19183613 | 0.808163867 |  | 3.081557 | 0 |
| 68 | 0.19419887 | -0.194198866 |  | 3.1278962 | 0 |
| 69 | 0.19180463 | -0.19180463 |  | 3.1742354 | 0 |
| 70 | 0.19183928 | -0.191839284 |  | 3.22057461 | 0 |
| 71 | 0.19176998 | 0.808230023 |  | 3.26691381 | 0 |
| 72 | 0.19165657 | 0.808343434 |  | 3.31325301 | 0 |
| 73 | 0.19161246 | -0.191612461 |  | 3.35959222 | 0 |
| 74 | 0.19167547 | -0.191675467 |  | 3.40593142 | 0 |
| 75 | 0.19161246 | -0.191612461 |  | 3.45227062 | 0 |
| 76 | 0.19200625 | -0.19200625 |  | 3.49860982 | 0 |
| 77 | 0.19161246 | -0.191612461 |  | 3.54494903 | 0 |
| 78 | 0.19277808 | 0.807221924 |  | 3.59128823 | 0 |
| 79 | 0.19180148 | -0.19180148 |  | 3.63762743 | 0 |
| 80 | 0.28897707 | 0.711022927 |  | 3.68396664 | 0 |
| 81 | 0.19192434 | -0.191924342 |  | 3.73030584 | 0 |
| 82 | 0.19165972 | -0.191659716 |  | 3.77664504 | 0 |
| 83 | 0.20358024 | -0.203580236 |  | 3.82298424 | 0 |
| 84 | 0.19162821 | -0.191628213 |  | 3.86932345 | 0 |
| 85 | 0.19165342 | 0.808346585 |  | 3.91566265 | 0 |
| 86 | 0.19169437 | -0.191694369 |  | 3.96200185 | 0 |
| 87 | 0.19177628 | -0.191776277 |  | 4.00834106 | 0 |
| 88 | 0.19166287 | -0.191662866 |  | 4.05468026 | 0 |
| 89 | 0.19162821 | -0.191628213 |  | 4.10101946 | 0 |
| 90 | 0.19161876 | 0.808381238 |  | 4.14735867 | 0 |
| 91 | 0.30950739 | 0.690492609 |  | 4.19369787 | 0 |
| 92 | 0.19160931 | -0.191609311 |  | 4.24003707 | 0 |
| 93 | 0.19169752 | -0.19169752 |  | 4.28637627 | 0 |
| 94 | 0.19170697 | -0.19170697 |  | 4.33271548 | 0 |
| 95 | 0.19160616 | -0.191606161 |  | 4.37905468 | 0 |
| 96 | 0.20463244 | -0.20463244 |  | 4.42539388 | 0 |
| 97 | 0.19258591 | 0.807414093 |  | 4.47173309 | 0 |
| 98 | 0.21557321 | -0.215573214 |  | 4.51807229 | 0 |
| 99 | 0.19166917 | -0.191669167 |  | 4.56441149 | 0 |
| 100 | 0.19167547 | -0.191675467 |  | 4.6107507 | 0 |
| 101 | 0.19161876 | -0.191618762 |  | 4.6570899 | 0 |
| 102 | 0.19161246 | -0.191612461 |  | 4.7034291 | 0 |
| 103 | 0.2047679 | 0.795232097 |  | 4.7497683 | 0 |
| 104 | 0.1919779 | -0.191977897 |  | 4.79610751 | 0 |
| 105 | 0.19161246 | -0.191612461 |  | 4.84244671 | 0 |
| 106 | 0.19176683 | -0.191766826 |  | 4.88878591 | 0 |
| 107 | 0.19164711 | -0.191647115 |  | 4.93512512 | 0 |
| 108 | 0.19161876 | -0.191618762 |  | 4.98146432 | 0 |
| 109 | 0.19206296 | -0.192062956 |  | 5.02780352 | 0 |
| 110 | 0.19161876 | -0.191618762 |  | 5.07414272 | 0 |
| 111 | 0.19249455 | -0.192494548 |  | 5.12048193 | 0 |
| 112 | 0.20360229 | -0.203602289 |  | 5.16682113 | 0 |
| 113 | 0.19193694 | 0.808063057 |  | 5.21316033 | 0 |
| 114 | 0.19160616 | -0.191606161 |  | 5.25949954 | 0 |
| 115 | 0.19170697 | -0.19170697 |  | 5.30583874 | 0 |
| 116 | 0.19198735 | -0.191987348 |  | 5.35217794 | 0 |
| 117 | 0.19251345 | -0.19251345 |  | 5.39851715 | 0 |
| 118 | 0.19181093 | -0.191810931 |  | 5.44485635 | 0 |
| 119 | 0.20541687 | -0.205416867 |  | 5.49119555 | 0 |
| 120 | 0.19160301 | -0.19160301 |  | 5.53753475 | 0 |
| 121 | 0.21566457 | -0.215664573 |  | 5.58387396 | 0 |
| 122 | 0.19160616 | -0.191606161 |  | 5.63021316 | 0 |
| 123 | 0.19161246 | -0.191612461 |  | 5.67655236 | 0 |
| 124 | 0.19160616 | -0.191606161 |  | 5.72289157 | 0 |
| 125 | 0.19160616 | -0.191606161 |  | 5.76923077 | 0 |
| 126 | 0.19164396 | -0.191643964 |  | 5.81556997 | 0 |
| 127 | 0.19190544 | -0.19190544 |  | 5.86190918 | 0 |
| 128 | 0.19172272 | -0.191722722 |  | 5.90824838 | 0 |
| 129 | 0.19162191 | -0.191621912 |  | 5.95458758 | 0 |
| 130 | 0.23971038 | -0.239710384 |  | 6.00092678 | 0 |
| 131 | 0.19278753 | -0.192787527 |  | 6.04726599 | 0 |
| 132 | 0.19160616 | 0.808393839 |  | 6.09360519 | 0 |
| 133 | 0.19194009 | -0.191940093 |  | 6.13994439 | 0 |
| 134 | 0.19163136 | -0.191631363 |  | 6.1862836 | 0 |
| 135 | 0.19161246 | -0.191612461 |  | 6.2326228 | 0 |
| 136 | 0.19671281 | 0.803287187 |  | 6.278962 | 0 |
| 137 | 0.19171012 | 0.808289879 |  | 6.3253012 | 0 |
| 138 | 0.19163766 | -0.191637664 |  | 6.37164041 | 0 |
| 139 | 0.19161246 | -0.191612461 |  | 6.41797961 | 0 |
| 140 | 0.19210076 | -0.192100759 |  | 6.46431881 | 0 |
| 141 | 0.27684233 | -0.276842331 |  | 6.51065802 | 0 |
| 142 | 0.23926619 | -0.239266191 |  | 6.55699722 | 0 |
| 143 | 0.19272767 | 0.807272329 |  | 6.60333642 | 0 |
| 144 | 0.19160616 | -0.191606161 |  | 6.64967563 | 0 |
| 145 | 0.19182353 | -0.191823532 |  | 6.69601483 | 0 |
| 146 | 0.1925544 | 0.807445596 |  | 6.74235403 | 0 |
| 147 | 0.20454423 | 0.795455769 |  | 6.78869323 | 0 |
| 148 | 0.19268042 | 0.807319584 |  | 6.83503244 | 0 |
| 149 | 0.19167232 | -0.191672317 |  | 6.88137164 | 0 |
| 150 | 0.19161246 | -0.191612461 |  | 6.92771084 | 0 |
| 151 | 0.19160616 | -0.191606161 |  | 6.97405005 | 0 |
| 152 | 0.19221732 | -0.192217321 |  | 7.02038925 | 0 |
| 153 | 0.19162821 | -0.191628213 |  | 7.06672845 | 0 |
| 154 | 0.19161246 | 0.808387539 |  | 7.11306766 | 0 |
| 155 | 0.19185819 | -0.191858185 |  | 7.15940686 | 0 |
| 156 | 0.20919749 | 0.790802507 |  | 7.20574606 | 0 |
| 157 | 0.1925166 | -0.1925166 |  | 7.25208526 | 0 |
| 158 | 0.19163766 | -0.191637664 |  | 7.29842447 | 0 |
| 159 | 0.20352983 | -0.203529831 |  | 7.34476367 | 0 |
| 160 | 0.19165026 | -0.191650265 |  | 7.39110287 | 0 |
| 161 | 0.19160616 | 0.808393839 |  | 7.43744208 | 0 |
| 162 | 0.19162821 | -0.191628213 |  | 7.48378128 | 0 |
| 163 | 0.19160616 | -0.191606161 |  | 7.53012048 | 0 |
| 164 | 0.20409374 | -0.204093737 |  | 7.57645968 | 0 |
| 165 | 0.19289149 | 0.807108513 |  | 7.62279889 | 0 |
| 166 | 0.19162506 | -0.191625062 |  | 7.66913809 | 0 |
| 167 | 0.19181093 | -0.191810931 |  | 7.71547729 | 0 |
| 168 | 0.19160616 | 0.808393839 |  | 7.7618165 | 0 |
| 169 | 0.19161876 | -0.191618762 |  | 7.8081557 | 0 |
| 170 | 0.19339869 | -0.193398687 |  | 7.8544949 | 0 |
| 171 | 0.19168177 | -0.191681768 |  | 7.90083411 | 0 |
| 172 | 0.19182668 | -0.191826682 |  | 7.94717331 | 0 |
| 173 | 0.19254495 | 0.807455047 |  | 7.99351251 | 0 |
| 174 | 0.19164396 | -0.191643964 |  | 8.03985171 | 0 |
| 175 | 0.19160616 | -0.191606161 |  | 8.08619092 | 0 |
| 176 | 0.19179518 | -0.191795179 |  | 8.13253012 | 0 |
| 177 | 0.19181093 | -0.191810931 |  | 8.17886932 | 0 |
| 178 | 0.19168492 | -0.191684918 |  | 8.22520853 | 0 |
| 179 | 0.19193064 | 0.808069357 |  | 8.27154773 | 0 |
| 180 | 0.19160616 | -0.191606161 |  | 8.31788693 | 0 |
| 181 | 0.19258276 | -0.192582757 |  | 8.36422614 | 0 |
| 182 | 0.19259221 | -0.192592208 |  | 8.41056534 | 0 |
| 183 | 0.19182668 | -0.191826682 |  | 8.45690454 | 0 |
| 184 | 0.27541524 | -0.27541524 |  | 8.50324374 | 0 |
| 185 | 0.19246935 | -0.192469346 |  | 8.54958295 | 0 |
| 186 | 0.19176998 | -0.191769977 |  | 8.59592215 | 0 |
| 187 | 0.22188064 | -0.221880642 |  | 8.64226135 | 0 |
| 188 | 0.19160616 | -0.191606161 |  | 8.68860056 | 0 |
| 189 | 0.19274972 | -0.192749723 |  | 8.73493976 | 0 |
| 190 | 0.19160616 | -0.191606161 |  | 8.78127896 | 0 |
| 191 | 0.30400065 | 0.695999351 |  | 8.82761816 | 0 |
| 192 | 0.19161876 | -0.191618762 |  | 8.87395737 | 0 |
| 193 | 0.19160616 | -0.191606161 |  | 8.92029657 | 0 |
| 194 | 0.19166917 | -0.191669167 |  | 8.96663577 | 0 |
| 195 | 0.30286969 | -0.302869687 |  | 9.01297498 | 0 |
| 196 | 0.21927483 | 0.780725171 |  | 9.05931418 | 0 |
| 197 | 0.19223307 | -0.192233072 |  | 9.10565338 | 0 |
| 198 | 0.19260796 | -0.192607959 |  | 9.15199259 | 0 |
| 199 | 0.19164711 | 0.808352885 |  | 9.19833179 | 0 |
| 200 | 0.19160616 | -0.191606161 |  | 9.24467099 | 0 |
| 201 | 0.31597472 | 0.684025275 |  | 9.29101019 | 0 |
| 202 | 0.19161876 | -0.191618762 |  | 9.3373494 | 0 |
| 203 | 0.19161246 | -0.191612461 |  | 9.3836886 | 0 |
| 204 | 0.2097992 | -0.209799202 |  | 9.4300278 | 0 |
| 205 | 0.19296709 | 0.807032905 |  | 9.47636701 | 0 |
| 206 | 0.19188024 | -0.191880238 |  | 9.52270621 | 0 |
| 207 | 0.19160616 | -0.191606161 |  | 9.56904541 | 0 |
| 208 | 0.20401183 | -0.204011829 |  | 9.61538462 | 0 |
| 209 | 0.19229608 | -0.192296079 |  | 9.66172382 | 0 |
| 210 | 0.19664036 | 0.803359644 |  | 9.70806302 | 0 |
| 211 | 0.19286628 | 0.807133715 |  | 9.75440222 | 0 |
| 212 | 0.19195269 | -0.191952695 |  | 9.80074143 | 0 |
| 213 | 0.19165342 | -0.191653415 |  | 9.84708063 | 0 |
| 214 | 0.19165342 | -0.191653415 |  | 9.89341983 | 0 |
| 215 | 0.19162191 | -0.191621912 |  | 9.93975904 | 0 |
| 216 | 0.20357079 | -0.203570785 |  | 9.98609824 | 0 |
| 217 | 0.19160616 | -0.191606161 |  | 10.0324374 | 0 |
| 218 | 0.22535178 | 0.774648223 |  | 10.0787766 | 0 |
| 219 | 0.19161246 | -0.191612461 |  | 10.1251158 | 0 |
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| 2120 | 0.25130012 | -0.251300122 |  | 98.2159407 | 1 |
| 2121 | 0.1935373 | -0.193537301 |  | 98.2622799 | 1 |
| 2122 | 0.2154724 | -0.215472404 |  | 98.3086191 | 1 |
| 2123 | 0.19164081 | -0.191640814 |  | 98.3549583 | 1 |
| 2124 | 0.19221732 | -0.192217321 |  | 98.4012975 | 1 |
| 2125 | 0.19165657 | -0.191656566 |  | 98.4476367 | 1 |
| 2126 | 0.19162191 | 0.808378088 |  | 98.4939759 | 1 |
| 2127 | 0.23966313 | -0.23966313 |  | 98.5403151 | 1 |
| 2128 | 0.19161246 | -0.191612461 |  | 98.5866543 | 1 |
| 2129 | 0.19171012 | -0.191710121 |  | 98.6329935 | 1 |
| 2130 | 0.19192119 | -0.191921192 |  | 98.6793327 | 1 |
| 2131 | 0.19160931 | -0.191609311 |  | 98.7256719 | 1 |
| 2132 | 0.20542002 | 0.794579982 |  | 98.7720111 | 1 |
| 2133 | 0.2042607 | -0.204260703 |  | 98.8183503 | 1 |
| 2134 | 0.20038608 | 0.799613925 |  | 98.8646895 | 1 |
| 2135 | 0.19163136 | -0.191631363 |  | 98.9110287 | 1 |
| 2136 | 0.19160616 | -0.191606161 |  | 98.9573679 | 1 |
| 2137 | 0.19160616 | -0.191606161 |  | 99.0037071 | 1 |
| 2138 | 0.19223307 | -0.192233072 |  | 99.0500463 | 1 |
| 2139 | 0.19165657 | -0.191656566 |  | 99.0963855 | 1 |
| 2140 | 0.192504 | -0.192503999 |  | 99.1427247 | 1 |
| 2141 | 0.19161246 | -0.191612461 |  | 99.1890639 | 1 |
| 2142 | 0.19161246 | -0.191612461 |  | 99.2354032 | 1 |
| 2143 | 0.19161246 | -0.191612461 |  | 99.2817424 | 1 |
| 2144 | 0.19171642 | 0.808283579 |  | 99.3280816 | 1 |
| 2145 | 0.19160301 | -0.19160301 |  | 99.3744208 | 1 |
| 2146 | 0.19320967 | -0.193209668 |  | 99.42076 | 1 |
| 2147 | 0.21553541 | -0.21553541 |  | 99.4670992 | 1 |
| 2148 | 0.33992277 | -0.339922768 |  | 99.5134384 | 1 |
| 2149 | 0.19161876 | -0.191618762 |  | 99.5597776 | 1 |
| 2150 | 0.22674157 | -0.226741571 |  | 99.6061168 | 1 |
| 2151 | 0.19169752 | -0.19169752 |  | 99.652456 | 1 |
| 2152 | 0.19166917 | -0.191669167 |  | 99.6987952 | 1 |
| 2153 | 0.251549 | -0.251548997 |  | 99.7451344 | 1 |
| 2154 | 0.19160616 | -0.191606161 |  | 99.7914736 | 1 |
| 2155 | 0.19162821 | -0.191628213 |  | 99.8378128 | 1 |
| 2156 | 0.19160616 | -0.191606161 |  | 99.884152 | 1 |
| 2157 | 0.19160616 | -0.191606161 |  | 99.9304912 | 1 |
| 2158 | 0.19168807 | -0.191688069 |  | 99.9768304 | 1 |

Once you reach the 79.8192771 percentile you are predicted to “survive” in the environment.