Linear Model 1: FBG

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Loading in the data:

Crude:

##   
## Call:  
## lm(formula = fbg ~ fuel\_used\_for\_cooking\_percent\_wood\_dung +   
## percent\_public\_source + percent\_private\_toilet + percent\_employed +   
## percent\_without\_hs\_education + percent\_caste, data = total)  
##   
## Residuals:  
## Min 1Q Median 3Q Max   
## -18.986 -7.429 -0.899 4.378 45.356   
##   
## Coefficients:  
## Estimate Std. Error t value  
## (Intercept) 122.80107 6.36472 19.294  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 9.48930 21.22527 0.447  
## percent\_public\_source -0.09995 0.09406 -1.063  
## percent\_private\_toilet 0.02323 0.02400 0.968  
## percent\_employed -10.24753 12.94866 -0.791  
## percent\_without\_hs\_education -19.77875 6.15917 -3.211  
## percent\_caste -0.06538 0.10860 -0.602  
## Pr(>|t|)   
## (Intercept) < 2e-16 \*\*\*  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 0.65558   
## percent\_public\_source 0.29001   
## percent\_private\_toilet 0.33487   
## percent\_employed 0.43019   
## percent\_without\_hs\_education 0.00167 \*\*   
## percent\_caste 0.54823   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## Residual standard error: 10.69 on 127 degrees of freedom  
## Multiple R-squared: 0.1805, Adjusted R-squared: 0.1418   
## F-statistic: 4.662 on 6 and 127 DF, p-value: 0.0002564

## Estimate Std. Error  
## (Intercept) 122.80107156 6.36471501  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 9.48929523 21.22527243  
## percent\_public\_source -0.09994546 0.09406388  
## percent\_private\_toilet 0.02323417 0.02400153  
## percent\_employed -10.24753383 12.94866078  
## percent\_without\_hs\_education -19.77874872 6.15917045  
## percent\_caste -0.06537879 0.10859781  
## t value Pr(>|t|)  
## (Intercept) 19.2940409 1.444002e-39  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 0.4470753 6.555822e-01  
## percent\_public\_source -1.0625276 2.900125e-01  
## percent\_private\_toilet 0.9680286 3.348700e-01  
## percent\_employed -0.7913972 4.301878e-01  
## percent\_without\_hs\_education -3.2112683 1.674270e-03  
## percent\_caste -0.6020267 5.482296e-01

## (Intercept)   
## 122.80107156   
## fuel\_used\_for\_cooking\_percent\_wood\_dung   
## 9.48929523   
## percent\_public\_source   
## -0.09994546   
## percent\_private\_toilet   
## 0.02323417   
## percent\_employed   
## -10.24753383   
## percent\_without\_hs\_education   
## -19.77874872   
## percent\_caste   
## -0.06537879

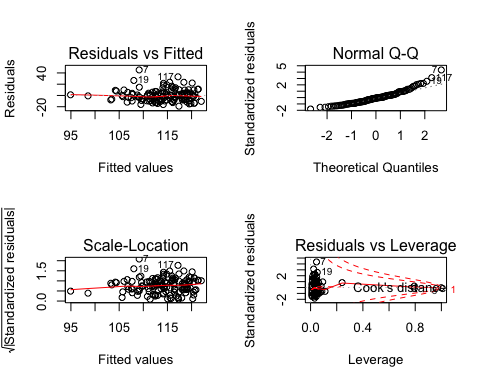
## 1 2 3 4 5 6 7   
## 119.01091 116.34154 112.42308 116.46722 114.10933 111.92198 109.14371   
## 8 9 10 11 12 13 14   
## 105.60747 109.17193 111.52316 109.22524 113.92924 112.29963 114.13588   
## 15 16 17 18 19 20 21   
## 119.25394 105.99402 114.30314 112.12651 108.03613 114.05193 103.26591   
## 22 23 24 25 26 27 28   
## 114.17625 109.63894 111.90210 112.46848 110.84780 116.02348 115.02830   
## 29 30 31 32 33 34 35   
## 105.74324 112.96933 114.20019 115.56389 118.49233 113.18215 114.45635   
## 36 37 38 39 40 41 42   
## 119.75424 118.02028 117.20549 116.57538 107.50254 122.01719 120.36618   
## 43 44 45 46 47 48 49   
## 120.57003 118.41260 118.99399 116.35077 118.40242 120.24471 120.53835   
## 50 51 52 53 54 55 56   
## 118.07903 119.38056 119.50487 120.90492 115.76585 117.30686 113.76497   
## 57 58 59 60 61 62 63   
## 115.91719 113.69292 109.49499 112.96153 104.42091 113.48919 118.55063   
## 64 65 66 67 68 69 70   
## 115.46191 112.72777 109.90307 109.70929 111.20991 111.08368 107.68395   
## 71 72 73 74 75 76 77   
## 119.53492 117.39695 118.79683 103.46317 116.51320 114.00253 107.70584   
## 78 79 80 81 82 83 84   
## 107.71165 116.65631 118.57285 121.39310 121.28166 106.65912 94.92825   
## 85 86 87 88 89 90 91   
## 113.53811 113.12021 108.78073 112.01467 111.41077 110.69613 118.33890   
## 92 93 94 95 96 97 98   
## 119.86197 112.55030 108.83245 114.33685 116.09813 119.53880 116.43208   
## 99 100 101 102 103 104 105   
## 106.78305 120.44842 104.20343 120.47416 118.09681 115.82543 118.99113   
## 106 107 108 109 110 111 112   
## 120.68959 114.84628 118.78228 114.65659 117.95440 112.49602 114.17283   
## 113 114 115 116 117 118 119   
## 111.21986 106.94510 115.90883 116.09081 117.18735 119.04566 119.13617   
## 120 121 122 123 124 125 126   
## 117.40003 114.85037 118.73793 112.85274 111.34877 120.12747 112.72799   
## 127 128 129 130 131 132 133   
## 109.14673 112.47638 116.83451 115.55059 115.55603 114.83908 117.38579   
## 134   
## 98.54199

## # A tibble: 1 x 11  
## r.squared adj.r.squared sigma statistic p.value df logLik AIC BIC  
## <dbl> <dbl> <dbl> <dbl> <dbl> <int> <dbl> <dbl> <dbl>  
## 1 0.181 0.142 10.7 4.66 2.56e-4 7 -504. 1024. 1047.  
## # … with 2 more variables: deviance <dbl>, df.residual <int>

|  |  |  |
| --- | --- | --- |
| term | estimate | p.value |
| (Intercept) | 122.801 | 0.000 |
| fuel\_used\_for\_cooking\_percent\_wood\_dung | 9.489 | 0.656 |
| percent\_public\_source | -0.100 | 0.290 |
| percent\_private\_toilet | 0.023 | 0.335 |
| percent\_employed | -10.248 | 0.430 |
| percent\_without\_hs\_education | -19.779 | 0.002 |
| percent\_caste | -0.065 | 0.548 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| fbg | fuel\_used\_for\_cooking\_percent\_wood\_dung | percent\_public\_source | percent\_private\_toilet | percent\_employed | percent\_without\_hs\_education | percent\_caste | .fitted | .se.fit | .resid | .hat | .sigma | .cooksd | .std.resid |
| 123.4 | 0.0000000 | 0.0270270 | 100.0000000 | 0.5405405 | 0.0270270 | 0.5675676 | 119.01091 | 2.124089 | 4.3890877 | 0.0394593 | 10.727889 | 0.0010294 | 0.4188115 |
| 109.8 | 0.0000000 | 0.0789474 | 0.7368421 | 0.5789474 | 0.0263158 | 0.2368421 | 116.34154 | 2.194424 | -6.5415405 | 0.0421158 | 10.718779 | 0.0024541 | -0.6250658 |
| 111.4 | 0.0277778 | 0.0555556 | 0.4722222 | 0.4444444 | 0.3055556 | 0.7500000 | 112.42308 | 1.403926 | -1.0230821 | 0.0172382 | 10.734911 | 0.0000233 | -0.0965136 |
| 113.1 | 0.0000000 | 0.1538462 | 0.7692308 | 0.6153846 | 0.0000000 | 0.4615385 | 116.46722 | 2.622645 | -3.3672183 | 0.0601566 | 10.730844 | 0.0009648 | -0.3248222 |
| 112.8 | 0.0277778 | 0.1944444 | 0.8333333 | 0.3888889 | 0.2500000 | 0.3888889 | 114.10933 | 1.833246 | -1.3093268 | 0.0293931 | 10.734652 | 0.0000668 | -0.1242878 |
| 98.6 | 0.0000000 | 0.3076923 | 0.7435897 | 0.5128205 | 0.2820513 | 0.4871795 | 111.92198 | 1.161337 | -13.3219776 | 0.0117956 | 10.668712 | 0.0026784 | -1.2532783 |
| 154.5 | 0.0000000 | 0.1351351 | 0.5405405 | 0.6486486 | 0.3513514 | 0.9189189 | 109.14371 | 2.279286 | 45.3562924 | 0.0454362 | 9.906699 | 0.1281662 | 4.3414748 |
| 105.6 | 0.0526316 | 0.3947368 | 0.9473684 | 0.5789474 | 0.2631579 | 100.0000000 | 105.60747 | 10.690242 | -0.0074718 | 0.9994924 | 10.735264 | 0.2705274 | -0.0310132 |
| 123.8 | 0.0000000 | 0.2777778 | 0.3611111 | 0.4166667 | 0.4722222 | 0.0000000 | 109.17193 | 2.192910 | 14.6280714 | 0.0420578 | 10.652415 | 0.0122532 | 1.3977182 |
| 102.1 | 0.0000000 | 0.1500000 | 0.8500000 | 0.4250000 | 0.3500000 | 0.0750000 | 111.52316 | 1.646317 | -9.4231614 | 0.0237045 | 10.701632 | 0.0027591 | -0.8918837 |
| 105.4 | 0.0000000 | 0.1071429 | 0.9285714 | 0.6666667 | 0.3392857 | 0.6785714 | 109.22524 | 2.470863 | -3.8252374 | 0.0533952 | 10.729589 | 0.0010894 | -0.3676853 |
| 106.8 | 0.0000000 | 0.0344828 | 0.9137931 | 0.4655172 | 0.2068966 | 0.4137931 | 113.92924 | 1.176748 | -7.1292445 | 0.0121108 | 10.716270 | 0.0007880 | -0.6707978 |
| 107.1 | 0.0000000 | 0.3818182 | 0.8000000 | 0.4909091 | 0.2727273 | 0.8727273 | 112.29963 | 1.132550 | -5.1996283 | 0.0112181 | 10.725193 | 0.0003876 | -0.4890173 |
| 98.0 | 0.0000000 | 0.1636364 | 0.8909091 | 0.4909091 | 0.1818182 | 0.6545455 | 114.13588 | 1.169737 | -16.1358793 | 0.0119669 | 10.637450 | 0.0039878 | -1.5181305 |
| 122.9 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4545455 | 0.0606061 | 0.2121212 | 119.25394 | 1.810492 | 3.6460615 | 0.0286680 | 10.730244 | 0.0005047 | 0.3459731 |
| 115.7 | 0.0263158 | 0.8684211 | 0.1315789 | 0.7368421 | 0.4736842 | 0.8157895 | 105.99402 | 3.257777 | 9.7059785 | 0.0928212 | 10.696850 | 0.0132754 | 0.9530048 |
| 110.2 | 0.0000000 | 0.2702703 | 0.7837838 | 0.4594595 | 0.1891892 | 0.5945946 | 114.30314 | 1.217686 | -4.1031442 | 0.0129681 | 10.728998 | 0.0002800 | -0.3862366 |
| 105.9 | 0.1025641 | 0.0256410 | 0.9487179 | 0.5897436 | 0.2820513 | 0.6923077 | 112.12651 | 2.356549 | -6.2265115 | 0.0485688 | 10.720232 | 0.0025990 | -0.5969780 |
| 134.7 | 0.0000000 | 0.2105263 | 0.9473684 | 0.4210526 | 0.5263158 | 0.6315789 | 108.03613 | 2.420646 | 26.6638690 | 0.0512468 | 10.454637 | 0.0505723 | 2.5600518 |
| 127.8 | 0.0000000 | 0.0263158 | 0.8947368 | 0.4473684 | 0.2105263 | 0.2894737 | 114.05193 | 1.259752 | 13.7480657 | 0.0138795 | 10.664220 | 0.0033706 | 1.2947288 |
| 95.3 | 0.0540541 | 0.7837838 | 0.5675676 | 0.5405405 | 0.7297297 | 0.1621622 | 103.26591 | 2.961985 | -7.9659074 | 0.0767309 | 10.709869 | 0.0071366 | -0.7753063 |
| 135.7 | 0.0000000 | 0.1500000 | 0.9000000 | 0.5500000 | 0.1500000 | 0.4250000 | 114.17625 | 1.503230 | 21.5237514 | 0.0197631 | 10.559161 | 0.0119052 | 2.0330809 |
| 100.7 | 0.0000000 | 0.6923077 | 0.6666667 | 0.4871795 | 0.4102564 | 0.0256410 | 109.63894 | 1.539326 | -8.9389449 | 0.0207236 | 10.705101 | 0.0021574 | -0.8447648 |
| 117.7 | 0.0000000 | 0.8461538 | 0.6923077 | 0.4615385 | 0.3076923 | 0.2307692 | 111.90210 | 1.284615 | 5.7978997 | 0.0144328 | 10.722689 | 0.0006241 | 0.5461725 |
| 113.1 | 0.0000000 | 0.5365854 | 0.6585366 | 0.3902439 | 0.3170732 | 0.3658537 | 112.46848 | 1.867249 | 0.6315244 | 0.0304936 | 10.735153 | 0.0000162 | 0.0599815 |
| 111.4 | 0.0769231 | 0.3333333 | 0.7179487 | 0.5384615 | 0.3589744 | 0.7435897 | 110.84780 | 1.734189 | 0.5521983 | 0.0263025 | 10.735189 | 0.0000106 | 0.0523342 |
| 104.9 | 0.0000000 | 0.4102564 | 0.7179487 | 0.4102564 | 0.1282051 | 0.2051282 | 116.02348 | 1.609995 | -11.1234847 | 0.0226701 | 10.688404 | 0.0036691 | -1.0522586 |
| 114.9 | 0.0000000 | 0.1538462 | 0.7948718 | 0.4615385 | 0.1538462 | 0.0512821 | 115.02830 | 1.272927 | -0.1282953 | 0.0141713 | 10.735299 | 0.0000003 | -0.0120840 |
| 103.6 | 0.0000000 | 0.9250000 | 0.8250000 | 0.4500000 | 0.6250000 | 0.1750000 | 105.74324 | 2.764779 | -2.1432407 | 0.0668537 | 10.733485 | 0.0004406 | -0.2074905 |
| 113.8 | 0.0000000 | 0.2307692 | 0.8974359 | 0.5128205 | 0.2307692 | 0.1538462 | 112.96933 | 1.151223 | 0.8306721 | 0.0115911 | 10.735047 | 0.0000102 | 0.0781382 |
| 112.6 | 0.0000000 | 0.1750000 | 0.7750000 | 0.5000000 | 0.1750000 | 0.2500000 | 114.20019 | 1.198912 | -1.6001949 | 0.0125713 | 10.734346 | 0.0000412 | -0.1505990 |
| 116.4 | 0.0000000 | 0.1025641 | 0.7948718 | 0.3589744 | 0.1794872 | 0.2564103 | 115.56389 | 2.036455 | 0.8361086 | 0.0362705 | 10.735036 | 0.0000341 | 0.0796503 |
| 111.0 | 0.0000000 | 0.0270270 | 100.0000000 | 0.5945946 | 0.0270270 | 0.0270270 | 118.49233 | 2.557845 | -7.4923315 | 0.0572207 | 10.713273 | 0.0045152 | -0.7216293 |
| 103.5 | 0.0263158 | 0.4736842 | 0.9210526 | 0.4473684 | 0.2631579 | 0.8157895 | 113.18215 | 1.314325 | -9.6821549 | 0.0151081 | 10.700063 | 0.0018242 | -0.9123888 |
| 104.7 | 0.0256410 | 0.2307692 | 0.9743590 | 0.5384615 | 0.1538462 | 0.4102564 | 114.45635 | 1.451197 | -9.7563516 | 0.0184186 | 10.699399 | 0.0022735 | -0.9209297 |
| 124.1 | 0.0000000 | 0.0188679 | 100.0000000 | 0.3773585 | 0.0754717 | 0.1320755 | 119.75424 | 2.107684 | 4.3457617 | 0.0388522 | 10.728039 | 0.0009924 | 0.4145463 |
| 112.8 | 0.0000000 | 0.0526316 | 0.9473684 | 0.3157895 | 0.0789474 | 0.0000000 | 118.02028 | 2.567969 | -5.2202791 | 0.0576745 | 10.724609 | 0.0022114 | -0.5029160 |
| 116.9 | 0.0000000 | 0.0000000 | 0.9750000 | 0.5000000 | 0.0250000 | 0.0000000 | 117.20549 | 1.751672 | -0.3054892 | 0.0268355 | 10.735269 | 0.0000033 | -0.0289604 |
| 112.7 | 0.0000000 | 0.0769231 | 0.8846154 | 0.4230769 | 0.0961538 | 0.0192308 | 116.57538 | 1.594703 | -3.8753816 | 0.0222415 | 10.729625 | 0.0004366 | -0.3665227 |
| 103.6 | 0.0000000 | 0.8285714 | 0.0285714 | 0.6000000 | 0.4571429 | 0.4000000 | 107.50254 | 2.047631 | -3.9025379 | 0.0366697 | 10.729459 | 0.0007519 | -0.3718448 |
| 111.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3030303 | 0.0000000 | 0.0303030 | 122.01719 | 2.687158 | -10.5171942 | 0.0631525 | 10.691572 | 0.0099440 | -1.0161730 |
| 118.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4000000 | 0.0333333 | 0.0000000 | 120.36618 | 1.961067 | -2.1661835 | 0.0336348 | 10.733510 | 0.0002112 | -0.2060757 |
| 106.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4444444 | 0.0000000 | 0.0000000 | 120.57003 | 1.854068 | -13.7700292 | 0.0300646 | 10.662797 | 0.0075709 | -1.3075722 |
| 110.9 | 0.0000000 | 0.0263158 | 100.0000000 | 0.5526316 | 0.0526316 | 0.0789474 | 118.41260 | 2.182698 | -7.5125995 | 0.0416670 | 10.713513 | 0.0031992 | -0.7176856 |
| 111.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3947368 | 0.1052632 | 0.0526316 | 118.99399 | 2.031189 | -7.1939950 | 0.0360832 | 10.715440 | 0.0025111 | -0.6852556 |
| 108.0 | 0.0000000 | 0.0000000 | 0.9666667 | 0.5666667 | 0.0333333 | 0.1000000 | 116.35077 | 2.066175 | -8.3507659 | 0.0373369 | 10.708494 | 0.0035103 | -0.7959602 |
| 141.8 | 0.0400000 | 0.0000000 | 100.0000000 | 0.5000000 | 0.1000000 | 0.0000000 | 118.40242 | 1.984928 | 23.3975813 | 0.0344583 | 10.523635 | 0.0252814 | 2.2268331 |
| 120.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4761905 | 0.0000000 | 0.0000000 | 120.24471 | 1.873560 | -0.1447107 | 0.0307001 | 10.735297 | 0.0000009 | -0.0137459 |
| 106.9 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4473684 | 0.0000000 | 0.0263158 | 120.53835 | 1.852062 | -13.6383452 | 0.0299996 | 10.664187 | 0.0074097 | -1.2950243 |
| 121.5 | 0.0000000 | 0.0000000 | 0.9855072 | 0.4347826 | 0.0144928 | 0.0434783 | 118.07903 | 1.826668 | 3.4209716 | 0.0291826 | 10.730848 | 0.0004527 | 0.3247005 |
| 129.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4615385 | 0.0512821 | 0.0000000 | 119.38056 | 1.811392 | 10.1194371 | 0.0286965 | 10.696262 | 0.0038917 | 0.9602429 |
| 109.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5483871 | 0.0000000 | 0.0000000 | 119.50487 | 2.221194 | -9.7048733 | 0.0431496 | 10.698858 | 0.0055459 | -0.9278336 |
| 117.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4117647 | 0.0000000 | 0.0000000 | 120.90492 | 1.927636 | -3.3049159 | 0.0324978 | 10.731131 | 0.0004738 | -0.3142221 |
| 115.6 | 0.0000000 | 0.1304348 | 0.8695652 | 0.4347826 | 0.1304348 | 0.1086957 | 115.76585 | 1.441105 | -0.1658461 | 0.0181633 | 10.735294 | 0.0000006 | -0.0156527 |
| 117.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5641026 | 0.1025641 | 0.1282051 | 117.30686 | 2.243319 | -0.1068571 | 0.0440136 | 10.735300 | 0.0000007 | -0.0102207 |
| 104.3 | 0.0000000 | 0.1315789 | 0.9736842 | 0.4736842 | 0.2105263 | 0.4210526 | 113.76497 | 1.149190 | -9.4649736 | 0.0115502 | 10.701750 | 0.0013232 | -0.8903163 |
| 105.3 | 0.0000000 | 0.0500000 | 0.9500000 | 0.5250000 | 0.0750000 | 0.5750000 | 115.91719 | 1.616304 | -10.6171925 | 0.0228481 | 10.692577 | 0.0033702 | -1.0044559 |
| 117.6 | 0.0000000 | 0.0243902 | 0.8536585 | 0.5121951 | 0.1951220 | 0.2682927 | 113.69292 | 1.189377 | 3.9070776 | 0.0123721 | 10.729590 | 0.0002419 | 0.3676695 |
| 93.5 | 0.0000000 | 0.4594595 | 0.4324324 | 0.4054054 | 0.4594595 | 0.4324324 | 109.49499 | 2.224056 | -15.9949872 | 0.0432609 | 10.635999 | 0.0151072 | -1.5292883 |
| 98.7 | 0.0000000 | 0.0512821 | 0.8717949 | 0.5128205 | 0.2307692 | 0.5384615 | 112.96153 | 1.147116 | -14.2615254 | 0.0115085 | 10.658975 | 0.0029930 | -1.3414724 |
| 112.2 | 0.2549020 | 0.3421053 | 0.7894737 | 0.6052632 | 0.7368421 | 0.1052632 | 104.42091 | 5.250897 | 7.7790891 | 0.2411412 | 10.705787 | 0.0316602 | 0.8351231 |
| 102.6 | 0.0000000 | 0.1538462 | 0.8974359 | 0.5128205 | 0.2051282 | 0.0769231 | 113.48919 | 1.178040 | -10.8891926 | 0.0121374 | 10.690844 | 0.0018426 | -1.0245888 |
| 122.7 | 0.0000000 | 0.0000000 | 0.8333333 | 0.4166667 | 0.0000000 | 0.0000000 | 118.55063 | 1.961270 | 4.1493724 | 0.0336418 | 10.728717 | 0.0007750 | 0.3947440 |
| 138.9 | 0.0000000 | 0.0000000 | 0.9729730 | 0.4054054 | 0.1621622 | 0.0000000 | 115.46191 | 1.596405 | 23.4380925 | 0.0222890 | 10.525564 | 0.0160037 | 2.2167628 |
| 100.0 | 0.0000000 | 0.2666667 | 0.8000000 | 0.4666667 | 0.2666667 | 0.1333333 | 112.72777 | 1.188903 | -12.7277742 | 0.0123622 | 10.674502 | 0.0025652 | -1.1977215 |
| 104.2 | 0.0256410 | 0.0512821 | 0.8974359 | 0.4871795 | 0.4102564 | 0.7692308 | 109.90307 | 1.467754 | -5.7030745 | 0.0188413 | 10.723044 | 0.0007953 | -0.5384453 |
| 103.7 | 0.0500000 | 0.2500000 | 0.7000000 | 0.5000000 | 0.4250000 | 0.4250000 | 109.70929 | 1.586280 | -6.0092928 | 0.0220072 | 10.721647 | 0.0010381 | -0.5682739 |
| 101.1 | 0.0000000 | 0.2500000 | 0.6500000 | 0.5000000 | 0.3250000 | 0.4500000 | 111.20991 | 1.226631 | -10.1099067 | 0.0131593 | 10.696951 | 0.0017256 | -0.9517565 |
| 115.1 | 0.0000000 | 0.1351351 | 0.8918919 | 0.5675676 | 0.2972973 | 0.4324324 | 111.08368 | 1.469687 | 4.0163205 | 0.0188910 | 10.729225 | 0.0003955 | 0.3792032 |
| 97.8 | 0.0000000 | 0.2500000 | 0.8888889 | 0.6666667 | 0.4166667 | 0.6111111 | 107.68395 | 2.547897 | -9.8839496 | 0.0567765 | 10.696951 | 0.0077894 | -0.9517556 |
| 110.0 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5454545 | 0.0000000 | 0.0000000 | 119.53492 | 2.200414 | -9.5349248 | 0.0423461 | 10.700155 | 0.0052449 | -0.9112031 |
| 119.4 | 0.0000000 | 0.0000000 | 0.9607843 | 0.5294118 | 0.0000000 | 0.0196078 | 117.39695 | 1.986206 | 2.0030523 | 0.0345027 | 10.733768 | 0.0001855 | 0.1906422 |
| 122.6 | 0.0000000 | 0.0000000 | 0.9285714 | 0.3928571 | 0.0000000 | 0.0000000 | 118.79683 | 2.088917 | 3.8031707 | 0.0381634 | 10.729745 | 0.0007455 | 0.3626581 |
| 96.9 | 0.0975610 | 0.3414634 | 0.2439024 | 0.5609756 | 0.7317073 | 0.2195122 | 103.46317 | 3.140148 | -6.5631725 | 0.0862392 | 10.717865 | 0.0055587 | -0.6420957 |
| 128.1 | 0.0000000 | 0.0000000 | 0.9333333 | 0.5833333 | 0.0166667 | 0.0333333 | 116.51320 | 2.272024 | 11.5867964 | 0.0451472 | 10.683205 | 0.0083060 | 1.1089127 |
| 120.5 | 0.0000000 | 0.0750000 | 0.9000000 | 0.4250000 | 0.2250000 | 0.1000000 | 114.00253 | 1.413848 | 6.4974718 | 0.0174827 | 10.719410 | 0.0009553 | 0.6130227 |
| 109.5 | 0.0000000 | 0.5263158 | 0.5789474 | 0.5526316 | 0.4736842 | 0.3684211 | 107.70584 | 1.857487 | 1.7941586 | 0.0301756 | 10.734078 | 0.0001290 | 0.1703792 |
| 111.5 | 0.0000000 | 0.6000000 | 0.3500000 | 0.5500000 | 0.4750000 | 0.1000000 | 107.71165 | 1.855777 | 3.7883509 | 0.0301201 | 10.729833 | 0.0005742 | 0.3597439 |
| 130.4 | 0.0000000 | 0.0263158 | 0.9736842 | 0.5000000 | 0.0526316 | 0.0000000 | 116.65631 | 1.624841 | 13.7436895 | 0.0230901 | 10.663593 | 0.0057099 | 1.3004040 |
| 128.1 | 0.0256410 | 0.0000000 | 100.0000000 | 0.5641026 | 0.0512821 | 0.0000000 | 118.57285 | 2.281975 | 9.5271510 | 0.0455435 | 10.700095 | 0.0056695 | 0.9119839 |
| 132.6 | 0.0000000 | 0.0303030 | 100.0000000 | 0.3636364 | 0.0000000 | 0.0303030 | 121.39310 | 2.185985 | 11.2068971 | 0.0417925 | 10.686744 | 0.0071426 | 1.0706754 |
| 132.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3750000 | 0.0000000 | 0.0000000 | 121.28166 | 2.111124 | 10.9183365 | 0.0389791 | 10.689354 | 0.0062862 | 1.0415791 |
| 94.8 | 0.0000000 | 0.9750000 | 0.0000000 | 0.5500000 | 0.5250000 | 0.3750000 | 106.65912 | 2.076768 | -11.8591210 | 0.0377207 | 10.681144 | 0.0071580 | -1.1305874 |
| 96.1 | 0.0000000 | 100.0000000 | 0.0000000 | 0.5405405 | 0.6216216 | 0.6756757 | 94.92825 | 9.523132 | 1.1717546 | 0.7931658 | 10.732851 | 0.0318053 | 0.2409505 |
| 106.7 | 0.0000000 | 0.2931034 | 0.6896552 | 0.5344828 | 0.1896552 | 0.3275862 | 113.53811 | 1.306062 | -6.8381114 | 0.0149187 | 10.717744 | 0.0008982 | -0.6443211 |
| 116.1 | 0.0000000 | 0.0000000 | 0.9148936 | 0.5744681 | 0.1914894 | 0.4255319 | 113.12021 | 1.602300 | 2.9797935 | 0.0224539 | 10.731947 | 0.0002607 | 0.2818511 |
| 109.6 | 0.0000000 | 0.1666667 | 0.8333333 | 0.6666667 | 0.3611111 | 0.7500000 | 108.78073 | 2.482704 | 0.8192734 | 0.0539081 | 10.735042 | 0.0000505 | 0.0787707 |
| 110.9 | 0.0000000 | 0.0000000 | 0.7068966 | 0.5517241 | 0.2586207 | 0.5172414 | 112.01467 | 1.340785 | -1.1146737 | 0.0157225 | 10.734838 | 0.0000252 | -0.1050730 |
| 111.5 | 0.0000000 | 0.0869565 | 0.7391304 | 0.5652174 | 0.2826087 | 0.2608696 | 111.41077 | 1.446906 | 0.0892323 | 0.0183099 | 10.735302 | 0.0000002 | 0.0084224 |
| 101.2 | 0.0000000 | 0.0000000 | 0.9743590 | 0.5384615 | 0.3333333 | 0.2564103 | 110.69613 | 1.336177 | -9.4961271 | 0.0156147 | 10.701389 | 0.0018155 | -0.8950889 |
| 115.1 | 0.0175439 | 0.0000000 | 0.9824561 | 0.3859649 | 0.0350877 | 0.0350877 | 118.33890 | 2.100023 | -3.2389033 | 0.0385703 | 10.731271 | 0.0005469 | -0.3089167 |
| 105.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4531250 | 0.0312500 | 0.0156250 | 119.86197 | 1.820667 | -14.2619675 | 0.0289911 | 10.657591 | 0.0078142 | -1.3535368 |
| 111.7 | 0.0169492 | 0.1355932 | 0.7796610 | 0.4915254 | 0.2711864 | 0.2372881 | 112.55030 | 1.105789 | -0.8503044 | 0.0106942 | 10.735034 | 0.0000099 | -0.0799487 |
| 106.4 | 0.0000000 | 0.2131148 | 0.9672131 | 0.5081967 | 0.4426230 | 0.1147541 | 108.83245 | 1.654065 | -2.4324504 | 0.0239282 | 10.733064 | 0.0001857 | -0.2302530 |
| 119.6 | 0.0000000 | 0.0800000 | 0.9800000 | 0.4800000 | 0.1800000 | 0.0000000 | 114.33685 | 1.180035 | 5.2631456 | 0.0121785 | 10.724934 | 0.0004320 | 0.4952316 |
| 103.4 | 0.0000000 | 0.0526316 | 0.8684211 | 0.5526316 | 0.0526316 | 0.2105263 | 116.09813 | 1.881121 | -12.6981268 | 0.0309484 | 10.673621 | 0.0066394 | -1.2063364 |
| 104.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4000000 | 0.0750000 | 0.0500000 | 119.53880 | 1.973029 | -15.0388001 | 0.0340464 | 10.648405 | 0.0103108 | -1.4309922 |
| 114.4 | 0.0000000 | 0.0285714 | 0.9142857 | 0.4571429 | 0.0857143 | 0.1142857 | 116.43208 | 1.482774 | -2.0320786 | 0.0192289 | 10.733748 | 0.0001031 | -0.1918929 |
| 112.2 | 0.0540541 | 0.1081081 | 0.1351351 | 0.5675676 | 0.5405405 | 0.2432432 | 106.78306 | 2.087974 | 5.4169450 | 0.0381289 | 10.724022 | 0.0015109 | 0.5165332 |
| 119.5 | 0.0000000 | 0.0175439 | 100.0000000 | 0.4561404 | 0.0000000 | 0.0000000 | 120.44842 | 1.850759 | -0.9484216 | 0.0299574 | 10.734962 | 0.0000358 | -0.0900551 |
| 113.3 | 0.0416667 | 0.2708333 | 0.3125000 | 0.5625000 | 0.6666667 | 0.3541667 | 104.20343 | 2.647765 | 9.0965743 | 0.0613145 | 10.702670 | 0.0071942 | 0.8780516 |
| 130.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3859649 | 0.0350877 | 0.0175439 | 120.47416 | 2.036101 | 9.7258380 | 0.0362579 | 10.698962 | 0.0046136 | 0.9265073 |
| 110.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4871795 | 0.1025641 | 0.1025641 | 118.09681 | 1.850127 | -7.9968053 | 0.0299369 | 10.710909 | 0.0025418 | -0.7593094 |
| 125.7 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4102564 | 0.2564103 | 0.3589744 | 115.82543 | 2.321133 | 9.8745711 | 0.0471199 | 10.697412 | 0.0063222 | 0.9460222 |
| 122.4 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5333333 | 0.0333333 | 0.1333333 | 118.99113 | 2.071698 | 3.4088715 | 0.0375368 | 10.730841 | 0.0005883 | 0.3249532 |
| 123.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4324324 | 0.0000000 | 0.0540541 | 120.68959 | 1.870414 | 2.9104113 | 0.0305971 | 10.732074 | 0.0003446 | 0.2764422 |
| 119.9 | 0.0000000 | 0.0697674 | 0.9302326 | 0.4186047 | 0.1860465 | 0.0000000 | 114.84628 | 1.469868 | 5.0537207 | 0.0188956 | 10.725678 | 0.0006264 | 0.4771510 |
| 117.0 | 0.0000000 | 0.0750000 | 100.0000000 | 0.4250000 | 0.1000000 | 0.0250000 | 118.78228 | 1.887045 | -1.7822815 | 0.0311436 | 10.734093 | 0.0001317 | -0.1693358 |
| 117.0 | 0.0161290 | 0.1774194 | 0.7903226 | 0.4354839 | 0.1935484 | 0.1129032 | 114.65659 | 1.371368 | 2.3434072 | 0.0164480 | 10.733241 | 0.0001167 | 0.2209791 |
| 118.2 | 0.0000000 | 0.0000000 | 0.9000000 | 0.4750000 | 0.0000000 | 0.0000000 | 117.95440 | 1.834540 | 0.2455963 | 0.0294347 | 10.735282 | 0.0000024 | 0.0233137 |
| 99.8 | 0.0000000 | 0.1621622 | 0.6756757 | 0.3783784 | 0.3243243 | 0.1891892 | 112.49602 | 2.005247 | -12.6960194 | 0.0351674 | 10.673372 | 0.0076081 | -1.2087704 |
| 132.6 | 0.0000000 | 0.0555556 | 100.0000000 | 0.5277778 | 0.2777778 | 0.6666667 | 114.17283 | 2.306588 | 18.4271672 | 0.0465312 | 10.602845 | 0.0217148 | 1.7648490 |
| 113.5 | 0.0000000 | 0.1282051 | 100.0000000 | 0.4615385 | 0.4615385 | 0.5128205 | 111.21986 | 3.039754 | 2.2801367 | 0.0808130 | 10.733214 | 0.0006213 | 0.2224135 |
| 103.4 | 0.0000000 | 0.6052632 | 0.7105263 | 0.4736842 | 0.5526316 | 0.4210526 | 106.94510 | 2.273915 | -3.5451027 | 0.0452223 | 10.730438 | 0.0007790 | -0.3392969 |
| 132.3 | 0.0000000 | 0.0476190 | 0.9523810 | 0.4285714 | 0.1269841 | 0.0952381 | 115.90883 | 1.483609 | 16.3911739 | 0.0192506 | 10.633560 | 0.0067182 | 1.5478656 |
| 129.8 | 0.0000000 | 0.0000000 | 0.9444444 | 0.3888889 | 0.1388889 | 0.0000000 | 116.09081 | 1.766725 | 13.7091855 | 0.0272987 | 10.663644 | 0.0067751 | 1.2999424 |
| 150.3 | 0.0000000 | 0.0000000 | 0.9473684 | 0.4473684 | 0.0526316 | 0.1578947 | 117.18735 | 1.632139 | 33.1126499 | 0.0232980 | 10.311994 | 0.0334572 | 3.1333948 |
| 107.3 | 0.0000000 | 0.0263158 | 0.9736842 | 0.3684211 | 0.0000000 | 0.0000000 | 119.04566 | 2.257265 | -11.7456570 | 0.0445625 | 10.681796 | 0.0084145 | -1.1237725 |
| 124.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4358974 | 0.0769231 | 0.0000000 | 119.13617 | 1.839139 | 4.9638273 | 0.0295824 | 10.725915 | 0.0009671 | 0.4712372 |
| 127.7 | 0.0000000 | 0.0000000 | 0.9000000 | 0.4000000 | 0.0666667 | 0.0666667 | 117.40003 | 1.826249 | 10.2999731 | 0.0291692 | 10.694835 | 0.0041022 | 0.9776120 |
| 133.8 | 0.0000000 | 0.0810811 | 0.8918919 | 0.5135135 | 0.1351351 | 0.4324324 | 114.85037 | 1.342523 | 18.9496327 | 0.0157633 | 10.599585 | 0.0073006 | 1.7862952 |
| 111.5 | 0.0500000 | 0.0250000 | 100.0000000 | 0.4750000 | 0.1000000 | 0.2000000 | 118.73793 | 2.033744 | -7.2379256 | 0.0361740 | 10.715194 | 0.0025488 | -0.6894726 |
| 106.3 | 0.1724138 | 0.8275862 | 0.0000000 | 0.5862069 | 0.2758621 | 0.5862069 | 112.85274 | 3.557881 | -6.5527364 | 0.1107101 | 10.717442 | 0.0075102 | -0.6498352 |
| 105.4 | 0.0000000 | 0.2162162 | 0.7297297 | 0.5405405 | 0.2972973 | 0.4324324 | 111.34877 | 1.287937 | -5.9487685 | 0.0145075 | 10.722023 | 0.0006605 | -0.5604058 |
| 142.2 | 0.0270270 | 0.0000000 | 100.0000000 | 0.4594595 | 0.0270270 | 0.1621622 | 120.12747 | 1.905663 | 22.0725330 | 0.0317612 | 10.547667 | 0.0206226 | 2.0977955 |
| 119.6 | 0.0000000 | 0.3333333 | 0.6944444 | 0.3888889 | 0.3055556 | 0.4166667 | 112.72799 | 1.854861 | 6.8720085 | 0.0300904 | 10.717292 | 0.0018873 | 0.6525597 |
| 106.5 | 0.0256410 | 0.1538462 | 0.4102564 | 0.4615385 | 0.4615385 | 0.5128205 | 109.14673 | 1.794617 | -2.6467307 | 0.0281675 | 10.732640 | 0.0002610 | -0.2510824 |
| 119.6 | 0.0000000 | 0.0000000 | 0.9487179 | 0.5128205 | 0.2564103 | 0.3076923 | 112.47638 | 1.144250 | 7.1236219 | 0.0114511 | 10.716313 | 0.0007429 | 0.6700450 |
| 117.5 | 0.0000000 | 0.0000000 | 0.9117647 | 0.4705882 | 0.0588235 | 0.0294118 | 116.83451 | 1.568244 | 0.6654919 | 0.0215096 | 10.735137 | 0.0000124 | 0.0629168 |
| 111.1 | 0.0000000 | 0.0263158 | 0.9210526 | 0.6052632 | 0.0526316 | 0.3947368 | 115.55059 | 2.313839 | -4.4505924 | 0.0468242 | 10.727620 | 0.0012755 | -0.4263179 |
| 115.8 | 0.0000000 | 0.0000000 | 0.9714286 | 0.5428571 | 0.0857143 | 0.1428571 | 115.55603 | 1.678172 | 0.2439662 | 0.0246307 | 10.735282 | 0.0000019 | 0.0231019 |
| 106.8 | 0.0000000 | 0.0000000 | 0.9090909 | 0.4848485 | 0.1515152 | 0.2727273 | 114.83908 | 1.238726 | -8.0390816 | 0.0134201 | 10.711063 | 0.0011133 | -0.7569070 |
| 98.4 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4705882 | 0.1470588 | 0.1176471 | 117.38579 | 1.877458 | -18.9857887 | 0.0308280 | 10.596932 | 0.0147811 | -1.8035593 |
| 97.8 | 0.5526316 | 100.0000000 | 0.0000000 | 0.5789474 | 0.6842105 | 0.6578947 | 98.54199 | 9.525962 | -0.7419866 | 0.7936375 | 10.734318 | 0.0128191 | -0.1527506 |

## Warning in sqrt(crit \* p \* (1 - hh)/hh): NaNs produced  
  
## Warning in sqrt(crit \* p \* (1 - hh)/hh): NaNs produced



Age as a confounder:

##   
## Call:  
## lm(formula = fbg ~ fuel\_used\_for\_cooking\_percent\_wood\_dung +   
## percent\_public\_source + percent\_private\_toilet + percent\_employed +   
## percent\_without\_hs\_education + percent\_caste + median\_age,   
## data = total)  
##   
## Residuals:  
## Min 1Q Median 3Q Max   
## -19.564 -6.450 -1.840 4.054 39.237   
##   
## Coefficients:  
## Estimate Std. Error t value  
## (Intercept) 64.394217 14.272593 4.512  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 1.570375 19.857818 0.079  
## percent\_public\_source -0.105662 0.087667 -1.205  
## percent\_private\_toilet -0.005991 0.023291 -0.257  
## percent\_employed 13.331542 13.155706 1.013  
## percent\_without\_hs\_education -4.754544 6.640426 -0.716  
## percent\_caste -0.045451 0.101298 -0.449  
## median\_age 0.998880 0.222016 4.499  
## Pr(>|t|)   
## (Intercept) 1.45e-05 \*\*\*  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 0.937   
## percent\_public\_source 0.230   
## percent\_private\_toilet 0.797   
## percent\_employed 0.313   
## percent\_without\_hs\_education 0.475   
## percent\_caste 0.654   
## median\_age 1.53e-05 \*\*\*  
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## Residual standard error: 9.965 on 126 degrees of freedom  
## Multiple R-squared: 0.2939, Adjusted R-squared: 0.2547   
## F-statistic: 7.493 on 7 and 126 DF, p-value: 1.568e-07

## Estimate Std. Error  
## (Intercept) 64.394216821 14.27259340  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 1.570374806 19.85781765  
## percent\_public\_source -0.105661602 0.08766658  
## percent\_private\_toilet -0.005991133 0.02329099  
## percent\_employed 13.331542399 13.15570592  
## percent\_without\_hs\_education -4.754543960 6.64042590  
## percent\_caste -0.045450956 0.10129831  
## median\_age 0.998879615 0.22201621  
## t value Pr(>|t|)  
## (Intercept) 4.51173904 1.454875e-05  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 0.07908094 9.370937e-01  
## percent\_public\_source -1.20526667 2.303591e-01  
## percent\_private\_toilet -0.25722961 7.974211e-01  
## percent\_employed 1.01336580 3.128275e-01  
## percent\_without\_hs\_education -0.71599985 4.753163e-01  
## percent\_caste -0.44868425 6.544301e-01  
## median\_age 4.49912921 1.531179e-05

## (Intercept)   
## 64.394216821   
## fuel\_used\_for\_cooking\_percent\_wood\_dung   
## 1.570374806   
## percent\_public\_source   
## -0.105661602   
## percent\_private\_toilet   
## -0.005991133   
## percent\_employed   
## 13.331542399   
## percent\_without\_hs\_education   
## -4.754543960   
## percent\_caste   
## -0.045450956   
## median\_age   
## 0.998879615

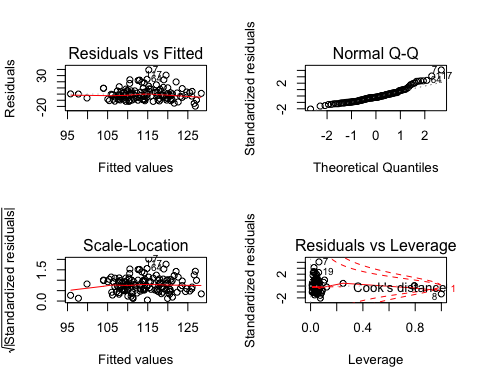
## 1 2 3 4 5 6 7   
## 113.87700 114.81052 114.14995 119.58058 120.83166 108.14677 115.26261   
## 8 9 10 11 12 13 14   
## 105.88606 115.34107 106.80357 111.57622 107.85608 109.93019 106.39933   
## 15 16 17 18 19 20 21   
## 120.68158 109.88700 114.07737 108.73789 112.60835 110.50043 106.80856   
## 22 23 24 25 26 27 28   
## 112.95074 109.32761 114.31402 109.89182 110.86752 113.71121 114.92129   
## 29 30 31 32 33 34 35   
## 108.06548 112.33163 107.42668 113.19762 113.86629 114.29454 113.98939   
## 36 37 38 39 40 41 42   
## 115.72678 120.00160 119.73055 115.81883 109.64083 126.58587 120.37824   
## 43 44 45 46 47 48 49   
## 117.92542 117.93213 121.10101 117.56192 122.06989 119.94474 121.59461   
## 50 51 52 53 54 55 56   
## 121.15795 128.35646 122.59658 127.16082 119.05614 118.40964 106.02329   
## 57 58 59 60 61 62 63   
## 107.20896 109.54799 99.85869 107.64622 108.32347 112.56761 125.96453   
## 64 65 66 67 68 69 70   
## 114.83554 107.93204 110.11757 108.47370 108.64505 110.03122 109.53172   
## 71 72 73 74 75 76 77   
## 119.71683 120.46889 118.32143 105.04402 115.25285 117.34323 110.04601   
## 78 79 80 81 82 83 84   
## 111.25117 126.05495 124.71844 123.60701 117.15685 105.41964 95.76251   
## 85 86 87 88 89 90 91   
## 109.11096 110.90266 111.29701 113.13401 108.93029 111.02691 117.40929   
## 92 93 94 95 96 97 98   
## 114.26167 109.22027 112.08134 116.81062 111.57769 116.36547 118.75566   
## 99 100 101 102 103 104 105   
## 111.00033 123.16541 103.99449 119.99624 120.71490 118.15229 124.41385   
## 106 107 108 109 110 111 112   
## 117.71983 107.89428 118.77064 111.77709 123.56204 110.38666 113.50826   
## 113 114 115 116 117 118 119   
## 103.95827 107.76548 114.13725 118.88442 119.56606 126.86423 122.33485   
## 120 121 122 123 124 125 126   
## 125.47188 110.54625 111.34723 107.84065 106.20772 119.01505 115.48664   
## 127 128 129 130 131 132 133   
## 109.40759 114.81364 120.56042 113.98206 117.73075 113.07159 110.31829   
## 134   
## 97.71944

## # A tibble: 1 x 11  
## r.squared adj.r.squared sigma statistic p.value df logLik AIC BIC  
## <dbl> <dbl> <dbl> <dbl> <dbl> <int> <dbl> <dbl> <dbl>  
## 1 0.294 0.255 9.96 7.49 1.57e-7 8 -494. 1006. 1032.  
## # … with 2 more variables: deviance <dbl>, df.residual <int>

|  |  |  |
| --- | --- | --- |
| term | estimate | p.value |
| (Intercept) | 64.394 | 0.000 |
| fuel\_used\_for\_cooking\_percent\_wood\_dung | 1.570 | 0.937 |
| percent\_public\_source | -0.106 | 0.230 |
| percent\_private\_toilet | -0.006 | 0.797 |
| percent\_employed | 13.332 | 0.313 |
| percent\_without\_hs\_education | -4.755 | 0.475 |
| percent\_caste | -0.045 | 0.654 |
| median\_age | 0.999 | 0.000 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| fbg | fuel\_used\_for\_cooking\_percent\_wood\_dung | percent\_public\_source | percent\_private\_toilet | percent\_employed | percent\_without\_hs\_education | percent\_caste | median\_age | .fitted | .se.fit | .resid | .hat | .sigma | .cooksd | .std.resid |
| 123.4 | 0.0000000 | 0.0270270 | 100.0000000 | 0.5405405 | 0.0270270 | 0.5675676 | 43.08108 | 113.87700 | 2.284775 | 9.5229971 | 0.0525727 | 9.966115 | 0.0066865 | 0.9818324 |
| 109.8 | 0.0000000 | 0.0789474 | 0.7368421 | 0.5789474 | 0.0263158 | 0.2368421 | 42.89474 | 114.81052 | 2.073086 | -5.0105159 | 0.0432821 | 9.993962 | 0.0014945 | -0.5140758 |
| 111.4 | 0.0277778 | 0.0555556 | 0.4722222 | 0.4444444 | 0.3055556 | 0.7500000 | 45.33333 | 114.14995 | 1.363447 | -2.7499461 | 0.0187219 | 10.001377 | 0.0001851 | -0.2785895 |
| 113.1 | 0.0000000 | 0.1538462 | 0.7692308 | 0.6153846 | 0.0000000 | 0.4615385 | 47.07692 | 119.58058 | 2.540097 | -6.4805802 | 0.0649792 | 9.986484 | 0.0039295 | -0.6725737 |
| 112.8 | 0.0277778 | 0.1944444 | 0.8333333 | 0.3888889 | 0.2500000 | 0.3888889 | 52.50000 | 120.83166 | 2.269591 | -8.0316576 | 0.0518762 | 9.977219 | 0.0046863 | -0.8277693 |
| 98.6 | 0.0000000 | 0.3076923 | 0.7435897 | 0.5128205 | 0.2820513 | 0.4871795 | 38.35897 | 108.14677 | 1.369427 | -9.5467686 | 0.0188865 | 9.967248 | 0.0022512 | -0.9672382 |
| 154.5 | 0.0000000 | 0.1351351 | 0.5405405 | 0.6486486 | 0.3513514 | 0.9189189 | 44.00000 | 115.26261 | 2.522148 | 39.2373914 | 0.0640641 | 9.323602 | 0.1417444 | 4.0701810 |
| 105.6 | 0.0526316 | 0.3947368 | 0.9473684 | 0.5789474 | 0.2631579 | 100.0000000 | 39.57895 | 105.88606 | 9.962343 | -0.2860575 | 0.9995310 | 9.934461 | 468.0293068 | -1.3255213 |
| 123.8 | 0.0000000 | 0.2777778 | 0.3611111 | 0.4166667 | 0.4722222 | 0.0000000 | 47.72222 | 115.34107 | 2.460948 | 8.4589341 | 0.0609928 | 9.973946 | 0.0062310 | 0.8760277 |
| 102.1 | 0.0000000 | 0.1500000 | 0.8500000 | 0.4250000 | 0.3500000 | 0.0750000 | 38.47500 | 106.80357 | 1.858531 | -4.7035746 | 0.0347867 | 9.995290 | 0.0010399 | -0.4804554 |
| 105.4 | 0.0000000 | 0.1071429 | 0.9285714 | 0.6666667 | 0.3392857 | 0.6785714 | 40.00000 | 111.57622 | 2.361126 | -6.1762217 | 0.0561451 | 9.988287 | 0.0030264 | -0.6379798 |
| 106.8 | 0.0000000 | 0.0344828 | 0.9137931 | 0.4655172 | 0.2068966 | 0.4137931 | 38.31034 | 107.85608 | 1.739150 | -1.0560780 | 0.0304612 | 10.003999 | 0.0000455 | -0.1076341 |
| 107.1 | 0.0000000 | 0.3818182 | 0.8000000 | 0.4909091 | 0.2727273 | 0.8727273 | 40.41818 | 109.93019 | 1.179514 | -2.8301936 | 0.0140113 | 10.001210 | 0.0001453 | -0.2860335 |
| 98.0 | 0.0000000 | 0.1636364 | 0.8909091 | 0.4909091 | 0.1818182 | 0.6545455 | 36.41818 | 106.39933 | 2.035965 | -8.3993317 | 0.0417459 | 9.974980 | 0.0040376 | -0.8610751 |
| 122.9 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4545455 | 0.0606061 | 0.2121212 | 51.18182 | 120.68158 | 1.716763 | 2.2184249 | 0.0296821 | 10.002431 | 0.0001953 | 0.2260083 |
| 115.7 | 0.0263158 | 0.8684211 | 0.1315789 | 0.7368421 | 0.4736842 | 0.8157895 | 38.05263 | 109.88700 | 3.156796 | 5.8129956 | 0.1003613 | 9.989430 | 0.0052749 | 0.6150389 |
| 110.2 | 0.0000000 | 0.2702703 | 0.7837838 | 0.4594595 | 0.1891892 | 0.5945946 | 44.56757 | 114.07737 | 1.135861 | -3.8773687 | 0.0129934 | 9.998367 | 0.0002524 | -0.3916641 |
| 105.9 | 0.1025641 | 0.0256410 | 0.9487179 | 0.5897436 | 0.2820513 | 0.6923077 | 37.74359 | 108.73789 | 2.321616 | -2.8378905 | 0.0542818 | 10.001054 | 0.0006153 | -0.2928542 |
| 134.7 | 0.0000000 | 0.2105263 | 0.9473684 | 0.4210526 | 0.5263158 | 0.6315789 | 45.21053 | 112.60835 | 2.474126 | 22.0916468 | 0.0616477 | 9.794303 | 0.0430155 | 2.2886627 |
| 127.8 | 0.0000000 | 0.0263158 | 0.8947368 | 0.4473684 | 0.2105263 | 0.2894737 | 41.21053 | 110.50043 | 1.414666 | 17.2995720 | 0.0201549 | 9.881586 | 0.0079090 | 1.7538535 |
| 95.3 | 0.0540541 | 0.7837838 | 0.5675676 | 0.5405405 | 0.7297297 | 0.1621622 | 38.72973 | 106.80856 | 2.870364 | -11.5085599 | 0.0829750 | 9.946545 | 0.0164517 | -1.2060548 |
| 135.7 | 0.0000000 | 0.1500000 | 0.9000000 | 0.5500000 | 0.1500000 | 0.4250000 | 42.02500 | 112.95074 | 1.427084 | 22.7492585 | 0.0205103 | 9.790928 | 0.0139281 | 2.3067683 |
| 100.7 | 0.0000000 | 0.6923077 | 0.6666667 | 0.4871795 | 0.4102564 | 0.0256410 | 40.51282 | 109.32761 | 1.436154 | -8.6276094 | 0.0207718 | 9.974020 | 0.0020299 | -0.8749539 |
| 117.7 | 0.0000000 | 0.8461538 | 0.6923077 | 0.4615385 | 0.3076923 | 0.2307692 | 45.38462 | 114.31402 | 1.311675 | 3.3859754 | 0.0173271 | 9.999793 | 0.0002590 | 0.3427804 |
| 113.1 | 0.0000000 | 0.5365854 | 0.6585366 | 0.3902439 | 0.3170732 | 0.3658537 | 41.92683 | 109.89182 | 1.831896 | 3.2081835 | 0.0337968 | 10.000199 | 0.0004691 | 0.3275379 |
| 111.4 | 0.0769231 | 0.3333333 | 0.7179487 | 0.5384615 | 0.3589744 | 0.7435897 | 41.00000 | 110.86752 | 1.616083 | 0.5324762 | 0.0263027 | 10.004343 | 0.0000099 | 0.0541533 |
| 104.9 | 0.0000000 | 0.4102564 | 0.7179487 | 0.4102564 | 0.1282051 | 0.2051282 | 44.56410 | 113.71121 | 1.585924 | -8.8112113 | 0.0253302 | 9.972560 | 0.0026060 | -0.8956607 |
| 114.9 | 0.0000000 | 0.1538462 | 0.7948718 | 0.4615385 | 0.1538462 | 0.0512821 | 45.17949 | 114.92129 | 1.186468 | -0.0212882 | 0.0141770 | 10.004459 | 0.0000000 | -0.0021517 |
| 103.6 | 0.0000000 | 0.9250000 | 0.8250000 | 0.4500000 | 0.6250000 | 0.1750000 | 40.80000 | 108.06548 | 2.627668 | -4.4654756 | 0.0695367 | 9.995887 | 0.0020162 | -0.4645739 |
| 113.8 | 0.0000000 | 0.2307692 | 0.8974359 | 0.5128205 | 0.2307692 | 0.1538462 | 42.28205 | 112.33163 | 1.082138 | 1.4683707 | 0.0117934 | 10.003587 | 0.0000328 | 0.1482342 |
| 112.6 | 0.0000000 | 0.1750000 | 0.7750000 | 0.5000000 | 0.1750000 | 0.2500000 | 37.27500 | 107.42668 | 1.874791 | 5.1733162 | 0.0353980 | 9.993360 | 0.0012818 | 0.5286054 |
| 116.4 | 0.0000000 | 0.1025641 | 0.7948718 | 0.3589744 | 0.1794872 | 0.2564103 | 44.94872 | 113.19762 | 1.969287 | 3.2023762 | 0.0390563 | 10.000191 | 0.0005460 | 0.3278386 |
| 111.0 | 0.0000000 | 0.0270270 | 100.0000000 | 0.5945946 | 0.0270270 | 0.0270270 | 42.32432 | 113.86629 | 2.595945 | -2.8662860 | 0.0678679 | 10.000934 | 0.0008079 | -0.2979322 |
| 103.5 | 0.0263158 | 0.4736842 | 0.9210526 | 0.4473684 | 0.2631579 | 0.8157895 | 45.28947 | 114.29454 | 1.249515 | -10.7945430 | 0.0157238 | 9.957014 | 0.0023808 | -1.0918989 |
| 104.7 | 0.0256410 | 0.2307692 | 0.9743590 | 0.5384615 | 0.1538462 | 0.4102564 | 43.20513 | 113.98939 | 1.356336 | -9.2893917 | 0.0185271 | 9.969244 | 0.0020893 | -0.9409895 |
| 124.1 | 0.0000000 | 0.0188679 | 100.0000000 | 0.3773585 | 0.0754717 | 0.1320755 | 47.32075 | 115.72678 | 2.158504 | 8.3732186 | 0.0469223 | 9.975004 | 0.0045592 | 0.8607260 |
| 112.8 | 0.0000000 | 0.0526316 | 0.9473684 | 0.3157895 | 0.0789474 | 0.0000000 | 51.84211 | 120.00160 | 2.433252 | -7.2016041 | 0.0596276 | 9.982384 | 0.0044024 | -0.7452740 |
| 116.9 | 0.0000000 | 0.0000000 | 0.9750000 | 0.5000000 | 0.0250000 | 0.0000000 | 48.85000 | 119.73055 | 1.726155 | -2.8305523 | 0.0300077 | 10.001156 | 0.0003217 | -0.2884189 |
| 112.7 | 0.0000000 | 0.0769231 | 0.8846154 | 0.4230769 | 0.0961538 | 0.0192308 | 46.30769 | 115.81883 | 1.495574 | -3.1188252 | 0.0225263 | 10.000480 | 0.0002887 | -0.3165739 |
| 103.6 | 0.0000000 | 0.8285714 | 0.0285714 | 0.6000000 | 0.4571429 | 0.4000000 | 39.57143 | 109.64083 | 1.966468 | -6.0408301 | 0.0389446 | 9.989266 | 0.0019370 | -0.6183852 |
| 111.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3030303 | 0.0000000 | 0.0303030 | 58.81818 | 126.58587 | 2.702199 | -15.0858704 | 0.0735373 | 9.905757 | 0.0245457 | -1.5728708 |
| 118.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4000000 | 0.0333333 | 0.0000000 | 51.46667 | 120.37824 | 1.827505 | -2.1782399 | 0.0336349 | 10.002496 | 0.0002151 | -0.2223677 |
| 106.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4444444 | 0.0000000 | 0.0000000 | 48.25926 | 117.92542 | 1.825041 | -11.1254238 | 0.0335443 | 9.953122 | 0.0055959 | -1.1356964 |
| 110.9 | 0.0000000 | 0.0263158 | 100.0000000 | 0.5526316 | 0.0526316 | 0.0789474 | 47.07895 | 117.93213 | 2.036840 | -7.0321277 | 0.0417818 | 9.983804 | 0.0028328 | -0.7209269 |
| 111.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3947368 | 0.1052632 | 0.0526316 | 52.60526 | 121.10101 | 1.949922 | -9.3010090 | 0.0382920 | 9.968429 | 0.0045088 | -0.9517987 |
| 108.0 | 0.0000000 | 0.0000000 | 0.9666667 | 0.5666667 | 0.0333333 | 0.1000000 | 45.83333 | 117.56192 | 1.944179 | -9.5619186 | 0.0380667 | 9.966384 | 0.0047351 | -0.9783837 |
| 141.8 | 0.0400000 | 0.0000000 | 100.0000000 | 0.5000000 | 0.1000000 | 0.0000000 | 52.08000 | 122.06989 | 2.021387 | 19.7301143 | 0.0411502 | 9.840799 | 0.0219338 | 2.0220457 |
| 120.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4761905 | 0.0000000 | 0.0000000 | 49.85714 | 119.94474 | 1.747228 | 0.1552593 | 0.0307449 | 10.004449 | 0.0000010 | 0.0158261 |
| 106.9 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4473684 | 0.0000000 | 0.0263158 | 51.89474 | 121.59461 | 1.741816 | -14.6946133 | 0.0305547 | 9.915004 | 0.0088375 | -1.4977287 |
| 121.5 | 0.0000000 | 0.0000000 | 0.9855072 | 0.4347826 | 0.0144928 | 0.0434783 | 51.10145 | 121.15795 | 1.834666 | 0.3420513 | 0.0338990 | 10.004411 | 0.0000053 | 0.0349234 |
| 129.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4615385 | 0.0512821 | 0.0000000 | 58.71795 | 128.35646 | 2.613343 | 1.1435377 | 0.0687806 | 10.003898 | 0.0001306 | 0.1189217 |
| 109.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5483871 | 0.0000000 | 0.0000000 | 51.54839 | 122.59658 | 2.180998 | -12.7965824 | 0.0479053 | 9.935455 | 0.0108942 | -1.3161051 |
| 117.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4117647 | 0.0000000 | 0.0000000 | 57.94118 | 127.16082 | 2.271624 | -9.5608222 | 0.0519692 | 9.965834 | 0.0066539 | -0.9854184 |
| 115.6 | 0.0000000 | 0.1304348 | 0.8695652 | 0.4347826 | 0.1304348 | 0.1086957 | 49.56522 | 119.05613 | 1.529167 | -3.4561350 | 0.0235496 | 9.999567 | 0.0003714 | -0.3509961 |
| 117.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5641026 | 0.1025641 | 0.1282051 | 47.64103 | 118.40964 | 2.104851 | -1.2096375 | 0.0446186 | 10.003847 | 0.0000900 | -0.1241948 |
| 104.3 | 0.0000000 | 0.1315789 | 0.9736842 | 0.4736842 | 0.2105263 | 0.4210526 | 36.39474 | 106.02329 | 2.026747 | -1.7232885 | 0.0413688 | 10.003220 | 0.0001683 | -0.1766318 |
| 105.3 | 0.0000000 | 0.0500000 | 0.9500000 | 0.5250000 | 0.0750000 | 0.5750000 | 36.25000 | 107.20896 | 2.452550 | -1.9089629 | 0.0605772 | 10.002908 | 0.0003149 | -0.1976531 |
| 117.6 | 0.0000000 | 0.0243902 | 0.8536585 | 0.5121951 | 0.1951220 | 0.2682927 | 39.31707 | 109.54799 | 1.441261 | 8.0520108 | 0.0209198 | 9.977948 | 0.0017812 | 0.8166423 |
| 93.5 | 0.0000000 | 0.4594595 | 0.4324324 | 0.4054054 | 0.4594595 | 0.4324324 | 32.35135 | 99.85869 | 2.980429 | -6.3586889 | 0.0894604 | 9.986689 | 0.0054923 | -0.6687362 |
| 98.7 | 0.0000000 | 0.0512821 | 0.8717949 | 0.5128205 | 0.2307692 | 0.5384615 | 37.58974 | 107.64622 | 1.593255 | -8.9462162 | 0.0255649 | 9.971566 | 0.0027127 | -0.9094935 |
| 112.2 | 0.2549020 | 0.3421053 | 0.7894737 | 0.6052632 | 0.7368421 | 0.1052632 | 39.05263 | 108.32347 | 4.969554 | 3.8765322 | 0.2487185 | 9.996458 | 0.0083363 | 0.4488267 |
| 102.6 | 0.0000000 | 0.1538462 | 0.8974359 | 0.5128205 | 0.2051282 | 0.0769231 | 42.38462 | 112.56761 | 1.116752 | -9.9676140 | 0.0125599 | 9.964149 | 0.0016111 | -1.0066361 |
| 122.7 | 0.0000000 | 0.0000000 | 0.8333333 | 0.4166667 | 0.0000000 | 0.0000000 | 56.08333 | 125.96453 | 2.460869 | -3.2645320 | 0.0609888 | 9.999920 | 0.0009280 | -0.3380821 |
| 138.9 | 0.0000000 | 0.0000000 | 0.9729730 | 0.4054054 | 0.1621622 | 0.0000000 | 45.86486 | 114.83554 | 1.494177 | 24.0644616 | 0.0224842 | 9.764725 | 0.0171540 | 2.4425919 |
| 100.0 | 0.0000000 | 0.2666667 | 0.8000000 | 0.4666667 | 0.2666667 | 0.1333333 | 38.66667 | 107.93204 | 1.537434 | -7.9320406 | 0.0238049 | 9.978657 | 0.0019785 | -0.8056627 |
| 104.2 | 0.0256410 | 0.0512821 | 0.8974359 | 0.4871795 | 0.4102564 | 0.7692308 | 41.23077 | 110.11757 | 1.368618 | -5.9175721 | 0.0188642 | 9.990179 | 0.0008639 | -0.5995365 |
| 103.7 | 0.0500000 | 0.2500000 | 0.7000000 | 0.5000000 | 0.4250000 | 0.4250000 | 39.45000 | 108.47370 | 1.503536 | -4.7737006 | 0.0227667 | 9.995131 | 0.0006839 | -0.4846104 |
| 101.1 | 0.0000000 | 0.2500000 | 0.6500000 | 0.5000000 | 0.3250000 | 0.4500000 | 39.22500 | 108.64505 | 1.277356 | -7.5450516 | 0.0164323 | 9.981291 | 0.0012173 | -0.7634784 |
| 115.1 | 0.0000000 | 0.1351351 | 0.8918919 | 0.5675676 | 0.2972973 | 0.4324324 | 39.56757 | 110.03122 | 1.389423 | 5.0687850 | 0.0194421 | 9.993977 | 0.0006540 | 0.5136933 |
| 97.8 | 0.0000000 | 0.2500000 | 0.8888889 | 0.6666667 | 0.4166667 | 0.6111111 | 38.33333 | 109.53172 | 2.409622 | -11.7317206 | 0.0584751 | 9.945841 | 0.0114292 | -1.2133399 |
| 110.0 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5454545 | 0.0000000 | 0.0000000 | 48.70455 | 119.71683 | 2.050947 | -9.7168315 | 0.0423626 | 9.964961 | 0.0054905 | -0.9964621 |
| 119.4 | 0.0000000 | 0.0000000 | 0.9607843 | 0.5294118 | 0.0000000 | 0.0196078 | 49.07843 | 120.46889 | 1.972850 | -1.0688895 | 0.0391978 | 10.003984 | 0.0000611 | -0.1094340 |
| 122.6 | 0.0000000 | 0.0000000 | 0.9285714 | 0.3928571 | 0.0000000 | 0.0000000 | 48.75000 | 118.32143 | 1.949511 | 4.2785735 | 0.0382758 | 9.996846 | 0.0009537 | 0.4378349 |
| 96.9 | 0.0975610 | 0.3414634 | 0.2439024 | 0.5609756 | 0.7317073 | 0.2195122 | 36.58537 | 105.04402 | 2.947298 | -8.1440180 | 0.0874825 | 9.975356 | 0.0087720 | -0.8555685 |
| 128.1 | 0.0000000 | 0.0000000 | 0.9333333 | 0.5833333 | 0.0166667 | 0.0333333 | 43.21667 | 115.25285 | 2.135733 | 12.8471519 | 0.0459375 | 9.935051 | 0.0104860 | 1.3199428 |
| 120.5 | 0.0000000 | 0.0750000 | 0.9000000 | 0.4250000 | 0.2250000 | 0.1000000 | 48.42500 | 117.34323 | 1.512378 | 3.1567664 | 0.0230353 | 10.000380 | 0.0003028 | 0.3205086 |
| 109.5 | 0.0000000 | 0.5263158 | 0.5789474 | 0.5526316 | 0.4736842 | 0.3684211 | 40.65789 | 110.04601 | 1.807437 | -0.5460130 | 0.0329003 | 10.004336 | 0.0000132 | -0.0557191 |
| 111.5 | 0.0000000 | 0.6000000 | 0.3500000 | 0.5500000 | 0.4750000 | 0.1000000 | 41.90000 | 111.25117 | 1.899917 | 0.2488263 | 0.0363532 | 10.004433 | 0.0000031 | 0.0254375 |
| 130.4 | 0.0000000 | 0.0263158 | 0.9736842 | 0.5000000 | 0.0526316 | 0.0000000 | 55.31579 | 126.05495 | 2.580041 | 4.3450507 | 0.0670388 | 9.996365 | 0.0018305 | 0.4514397 |
| 128.1 | 0.0256410 | 0.0000000 | 100.0000000 | 0.5641026 | 0.0512821 | 0.0000000 | 53.66667 | 124.71844 | 2.527461 | 3.3815566 | 0.0643342 | 9.999572 | 0.0010578 | 0.3508270 |
| 132.6 | 0.0000000 | 0.0303030 | 100.0000000 | 0.3636364 | 0.0000000 | 0.0303030 | 55.03030 | 123.60701 | 2.095690 | 8.9929941 | 0.0442311 | 9.970570 | 0.0049296 | 0.9231335 |
| 132.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3750000 | 0.0000000 | 0.0000000 | 48.41667 | 117.15685 | 2.170472 | 15.0431467 | 0.0474441 | 9.909019 | 0.0148957 | 1.5467855 |
| 94.8 | 0.0000000 | 0.9750000 | 0.0000000 | 0.5500000 | 0.5250000 | 0.3750000 | 36.35000 | 105.41964 | 1.954833 | -10.6196394 | 0.0384851 | 9.957453 | 0.0059099 | -1.0868470 |
| 96.1 | 0.0000000 | 100.0000000 | 0.0000000 | 0.5405405 | 0.6216216 | 0.6756757 | 37.75676 | 95.76251 | 8.876467 | 0.3374870 | 0.7935121 | 10.004238 | 0.0026685 | 0.0745326 |
| 106.7 | 0.0000000 | 0.2931034 | 0.6896552 | 0.5344828 | 0.1896552 | 0.3275862 | 38.58621 | 109.11096 | 1.565124 | -2.4109573 | 0.0246701 | 10.002076 | 0.0001898 | -0.2449912 |
| 116.1 | 0.0000000 | 0.0000000 | 0.9148936 | 0.5744681 | 0.1914894 | 0.4255319 | 39.82979 | 110.90266 | 1.572416 | 5.1973417 | 0.0249005 | 9.993377 | 0.0008905 | 0.5281940 |
| 109.6 | 0.0000000 | 0.1666667 | 0.8333333 | 0.6666667 | 0.3611111 | 0.7500000 | 39.83333 | 111.29701 | 2.380251 | -1.6970067 | 0.0570583 | 10.003238 | 0.0002326 | -0.1753791 |
| 110.9 | 0.0000000 | 0.0000000 | 0.7068966 | 0.5517241 | 0.2586207 | 0.5172414 | 42.68966 | 113.13401 | 1.273995 | -2.2340092 | 0.0163459 | 10.002430 | 0.0001061 | -0.2260479 |
| 111.5 | 0.0000000 | 0.0869565 | 0.7391304 | 0.5652174 | 0.2826087 | 0.2608696 | 38.41304 | 108.93029 | 1.456719 | 2.5697059 | 0.0213710 | 10.001761 | 0.0001855 | 0.2606820 |
| 101.2 | 0.0000000 | 0.0000000 | 0.9743590 | 0.5384615 | 0.3333333 | 0.2564103 | 41.10256 | 111.02691 | 1.247342 | -9.8269135 | 0.0156691 | 9.965157 | 0.0019660 | -0.9939928 |
| 115.1 | 0.0175439 | 0.0000000 | 0.9824561 | 0.3859649 | 0.0350877 | 0.0350877 | 48.07018 | 117.40929 | 1.967872 | -2.3092863 | 0.0390002 | 10.002240 | 0.0002835 | -0.2364029 |
| 105.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4531250 | 0.0312500 | 0.0156250 | 44.62500 | 114.26167 | 2.104299 | -8.6616718 | 0.0445952 | 9.973013 | 0.0046142 | -0.8892926 |
| 111.7 | 0.0169492 | 0.1355932 | 0.7796610 | 0.4915254 | 0.2711864 | 0.2372881 | 39.61017 | 109.22027 | 1.268742 | 2.4797346 | 0.0162114 | 10.001960 | 0.0001297 | 0.2508944 |
| 106.4 | 0.0000000 | 0.2131148 | 0.9672131 | 0.5081967 | 0.4426230 | 0.1147541 | 43.09836 | 112.08134 | 1.702174 | -5.6813382 | 0.0291797 | 9.991157 | 0.0012580 | -0.5786526 |
| 119.6 | 0.0000000 | 0.0800000 | 0.9800000 | 0.4800000 | 0.1800000 | 0.0000000 | 46.94000 | 116.81062 | 1.229463 | 2.7893758 | 0.0152231 | 10.001300 | 0.0001538 | 0.2820816 |
| 103.4 | 0.0000000 | 0.0526316 | 0.8684211 | 0.5526316 | 0.0526316 | 0.2105263 | 40.13158 | 111.57769 | 2.020522 | -8.1776925 | 0.0411150 | 9.976536 | 0.0037645 | -0.8380775 |
| 104.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4000000 | 0.0750000 | 0.0500000 | 47.65000 | 116.36547 | 1.969292 | -11.8654708 | 0.0390565 | 9.945708 | 0.0074964 | -1.2147103 |
| 114.4 | 0.0000000 | 0.0285714 | 0.9142857 | 0.4571429 | 0.0857143 | 0.1142857 | 48.74286 | 118.75566 | 1.475145 | -4.3556594 | 0.0219151 | 9.996701 | 0.0005471 | -0.4419797 |
| 112.2 | 0.0540541 | 0.1081081 | 0.1351351 | 0.5675676 | 0.5405405 | 0.2432432 | 41.59459 | 111.00033 | 2.159778 | 1.1996662 | 0.0469777 | 10.003855 | 0.0000937 | 0.1233234 |
| 119.5 | 0.0000000 | 0.0175439 | 100.0000000 | 0.4561404 | 0.0000000 | 0.0000000 | 53.35088 | 123.16541 | 1.827375 | -3.6654079 | 0.0336301 | 9.998899 | 0.0006091 | -0.3741858 |
| 113.3 | 0.0416667 | 0.2708333 | 0.3125000 | 0.5625000 | 0.6666667 | 0.3541667 | 35.29167 | 103.99449 | 2.467868 | 9.3055140 | 0.0613362 | 9.967507 | 0.0075886 | 0.9638778 |
| 130.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3859649 | 0.0350877 | 0.0175439 | 51.28070 | 119.99624 | 1.900397 | 10.2037648 | 0.0363716 | 9.961166 | 0.0051339 | 1.0431393 |
| 110.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4871795 | 0.1025641 | 0.1025641 | 50.97436 | 120.71490 | 1.819672 | -10.6148984 | 0.0333472 | 9.957745 | 0.0050621 | -1.0834709 |
| 125.7 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4102564 | 0.2564103 | 0.3589744 | 50.17949 | 118.15229 | 2.224015 | 7.5477085 | 0.0498137 | 9.980459 | 0.0039568 | 0.7770472 |
| 122.4 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5333333 | 0.0333333 | 0.1333333 | 53.73333 | 124.41385 | 2.275942 | -2.0138459 | 0.0521670 | 10.002748 | 0.0002965 | -0.2075855 |
| 123.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4324324 | 0.0000000 | 0.0540541 | 48.21622 | 117.71983 | 1.863821 | 5.8801665 | 0.0349850 | 9.990123 | 0.0016352 | 0.6007022 |
| 119.9 | 0.0000000 | 0.0697674 | 0.9302326 | 0.4186047 | 0.1860465 | 0.0000000 | 38.86047 | 107.89428 | 2.064908 | 12.0057223 | 0.0429413 | 9.944062 | 0.0085066 | 1.2315602 |
| 117.0 | 0.0000000 | 0.0750000 | 100.0000000 | 0.4250000 | 0.1000000 | 0.0250000 | 49.85000 | 118.77064 | 1.758524 | -1.7706426 | 0.0311437 | 10.003165 | 0.0001309 | -0.1805252 |
| 117.0 | 0.0161290 | 0.1774194 | 0.7903226 | 0.4354839 | 0.1935484 | 0.1129032 | 42.54839 | 111.77709 | 1.429272 | 5.2229135 | 0.0205732 | 9.993317 | 0.0007365 | 0.5296189 |
| 118.2 | 0.0000000 | 0.0000000 | 0.9000000 | 0.4750000 | 0.0000000 | 0.0000000 | 52.90000 | 123.56204 | 2.115698 | -5.3620391 | 0.0450797 | 9.992414 | 0.0017893 | -0.5506594 |
| 99.8 | 0.0000000 | 0.1621622 | 0.6756757 | 0.3783784 | 0.3243243 | 0.1891892 | 42.56757 | 110.38666 | 1.926590 | -10.5866643 | 0.0373811 | 9.957799 | 0.0056917 | -1.0828507 |
| 132.6 | 0.0000000 | 0.0555556 | 100.0000000 | 0.5277778 | 0.2777778 | 0.6666667 | 44.08333 | 113.50826 | 2.154561 | 19.0917390 | 0.0467510 | 9.850393 | 0.0236076 | 1.9623613 |
| 113.5 | 0.0000000 | 0.1282051 | 100.0000000 | 0.4615385 | 0.4615385 | 0.5128205 | 36.28205 | 103.95827 | 3.260263 | 9.5417349 | 0.1070480 | 9.963610 | 0.0153872 | 1.0133278 |
| 103.4 | 0.0000000 | 0.6052632 | 0.7105263 | 0.4736842 | 0.5526316 | 0.4210526 | 39.81579 | 107.76548 | 2.126874 | -4.3654801 | 0.0455572 | 9.996473 | 0.0011998 | -0.4484290 |
| 132.3 | 0.0000000 | 0.0476190 | 0.9523810 | 0.4285714 | 0.1269841 | 0.0952381 | 44.69841 | 114.13725 | 1.437542 | 18.1627493 | 0.0208120 | 9.868841 | 0.0090142 | 1.8419813 |
| 129.8 | 0.0000000 | 0.0000000 | 0.9444444 | 0.3888889 | 0.1388889 | 0.0000000 | 50.02778 | 118.88442 | 1.759592 | 10.9155787 | 0.0311815 | 9.955166 | 0.0049830 | 1.1129156 |
| 150.3 | 0.0000000 | 0.0000000 | 0.9473684 | 0.4473684 | 0.0526316 | 0.1578947 | 49.52632 | 119.56606 | 1.610249 | 30.7339363 | 0.0261132 | 9.608849 | 0.0327388 | 3.1253639 |
| 107.3 | 0.0000000 | 0.0263158 | 0.9736842 | 0.3684211 | 0.0000000 | 0.0000000 | 57.63158 | 126.86423 | 2.728510 | -19.5642331 | 0.0749764 | 9.837628 | 0.0422209 | -2.0413763 |
| 124.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4358974 | 0.0769231 | 0.0000000 | 53.15385 | 122.33485 | 1.855488 | 1.7651521 | 0.0346729 | 10.003168 | 0.0001459 | 0.1802941 |
| 127.7 | 0.0000000 | 0.0000000 | 0.9000000 | 0.4000000 | 0.0666667 | 0.0666667 | 56.13333 | 125.47188 | 2.472877 | 2.2281155 | 0.0615855 | 10.002344 | 0.0004371 | 0.2308219 |
| 133.8 | 0.0000000 | 0.0810811 | 0.8918919 | 0.5135135 | 0.1351351 | 0.4324324 | 40.02703 | 110.54625 | 1.574930 | 23.2537456 | 0.0249802 | 9.780208 | 0.0178870 | 2.3633218 |
| 111.5 | 0.0500000 | 0.0250000 | 100.0000000 | 0.4750000 | 0.1000000 | 0.2000000 | 41.67500 | 111.34723 | 2.508056 | 0.1527733 | 0.0633502 | 10.004449 | 0.0000021 | 0.0158415 |
| 106.3 | 0.1724138 | 0.8275862 | 0.0000000 | 0.5862069 | 0.2758621 | 0.5862069 | 36.82759 | 107.84065 | 3.497708 | -1.5406523 | 0.1232084 | 10.003377 | 0.0004789 | -0.1651175 |
| 105.4 | 0.0000000 | 0.2162162 | 0.7297297 | 0.5405405 | 0.2972973 | 0.4324324 | 36.10811 | 106.20772 | 1.657176 | -0.8077239 | 0.0276573 | 10.004191 | 0.0000240 | -0.0822034 |
| 142.2 | 0.0270270 | 0.0000000 | 100.0000000 | 0.4594595 | 0.0270270 | 0.1621622 | 49.24324 | 119.01505 | 1.793002 | 23.1849504 | 0.0323769 | 9.779825 | 0.0234001 | 2.3653189 |
| 119.6 | 0.0000000 | 0.3333333 | 0.6944444 | 0.3888889 | 0.3055556 | 0.4166667 | 47.47222 | 115.48664 | 1.834059 | 4.1133557 | 0.0338766 | 9.997454 | 0.0007731 | 0.4199684 |
| 106.5 | 0.0256410 | 0.1538462 | 0.4102564 | 0.4615385 | 0.4615385 | 0.5128205 | 41.10256 | 109.40759 | 1.673393 | -2.9075892 | 0.0282013 | 10.000980 | 0.0003178 | -0.2959931 |
| 119.6 | 0.0000000 | 0.0000000 | 0.9487179 | 0.5128205 | 0.2564103 | 0.3076923 | 44.87179 | 114.81364 | 1.186131 | 4.7863562 | 0.0141690 | 9.995164 | 0.0004205 | 0.4837717 |
| 117.5 | 0.0000000 | 0.0000000 | 0.9117647 | 0.4705882 | 0.0588235 | 0.0294118 | 50.23529 | 120.56042 | 1.679763 | -3.0604167 | 0.0284164 | 10.000604 | 0.0003549 | -0.3115854 |
| 111.1 | 0.0000000 | 0.0263158 | 0.9210526 | 0.6052632 | 0.0526316 | 0.3947368 | 41.84211 | 113.98206 | 2.184250 | -2.8820552 | 0.0480483 | 10.000970 | 0.0005544 | -0.2964364 |
| 115.8 | 0.0000000 | 0.0000000 | 0.9714286 | 0.5428571 | 0.0857143 | 0.1428571 | 46.57143 | 117.73075 | 1.636870 | -1.9307452 | 0.0269837 | 10.002927 | 0.0001338 | -0.1964272 |
| 106.8 | 0.0000000 | 0.0000000 | 0.9090909 | 0.4848485 | 0.1515152 | 0.2727273 | 43.00000 | 113.07159 | 1.219375 | -6.2715908 | 0.0149744 | 9.988481 | 0.0007642 | -0.6341480 |
| 98.4 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4705882 | 0.1470588 | 0.1176471 | 41.00000 | 110.31829 | 2.351310 | -11.9182899 | 0.0556792 | 9.944136 | 0.0111652 | -1.2308095 |
| 97.8 | 0.5526316 | 100.0000000 | 0.0000000 | 0.5789474 | 0.6842105 | 0.6578947 | 38.63158 | 97.71944 | 8.879050 | 0.0805575 | 0.7939741 | 10.004446 | 0.0001528 | 0.0178107 |

## Warning in sqrt(crit \* p \* (1 - hh)/hh): NaNs produced  
  
## Warning in sqrt(crit \* p \* (1 - hh)/hh): NaNs produced



Gender as a confounder:

##   
## Call:  
## lm(formula = fbg ~ fuel\_used\_for\_cooking\_percent\_wood\_dung +   
## percent\_public\_source + percent\_private\_toilet + percent\_employed +   
## percent\_without\_hs\_education + percent\_caste + percent\_female,   
## data = total)  
##   
## Residuals:  
## Min 1Q Median 3Q Max   
## -18.986 -7.429 -0.899 4.378 45.356   
##   
## Coefficients:  
## Estimate Std. Error t value  
## (Intercept) 122.798935 6.526982 18.814  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 9.488922 21.310597 0.445  
## percent\_public\_source -0.099947 0.094439 -1.058  
## percent\_private\_toilet 0.023238 0.024222 0.959  
## percent\_employed -10.248186 13.006282 -0.788  
## percent\_without\_hs\_education -19.777409 6.239550 -3.170  
## percent\_caste -0.065376 0.109041 -0.600  
## percent\_female 0.002914 1.814096 0.002  
## Pr(>|t|)   
## (Intercept) < 2e-16 \*\*\*  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 0.65689   
## percent\_public\_source 0.29194   
## percent\_private\_toilet 0.33919   
## percent\_employed 0.43221   
## percent\_without\_hs\_education 0.00192 \*\*   
## percent\_caste 0.54988   
## percent\_female 0.99872   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## Residual standard error: 10.74 on 126 degrees of freedom  
## Multiple R-squared: 0.1805, Adjusted R-squared: 0.135   
## F-statistic: 3.965 on 7 and 126 DF, p-value: 0.0006013

## Estimate Std. Error  
## (Intercept) 122.798934539 6.52698234  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 9.488922439 21.31059712  
## percent\_public\_source -0.099946682 0.09443947  
## percent\_private\_toilet 0.023238117 0.02422151  
## percent\_employed -10.248185935 13.00628159  
## percent\_without\_hs\_education -19.777409261 6.23954968  
## percent\_caste -0.065376089 0.10904086  
## percent\_female 0.002913621 1.81409630  
## t value Pr(>|t|)  
## (Intercept) 18.814044247 2.102680e-38  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 0.445267788 6.568903e-01  
## percent\_public\_source -1.058314694 2.919367e-01  
## percent\_private\_toilet 0.959399995 3.391947e-01  
## percent\_employed -0.787941262 4.322109e-01  
## percent\_without\_hs\_education -3.169685360 1.915907e-03  
## percent\_caste -0.599555870 5.498789e-01  
## percent\_female 0.001606101 9.987211e-01

## (Intercept)   
## 122.798934539   
## fuel\_used\_for\_cooking\_percent\_wood\_dung   
## 9.488922439   
## percent\_public\_source   
## -0.099946682   
## percent\_private\_toilet   
## 0.023238117   
## percent\_employed   
## -10.248185935   
## percent\_without\_hs\_education   
## -19.777409261   
## percent\_caste   
## -0.065376089   
## percent\_female   
## 0.002913621

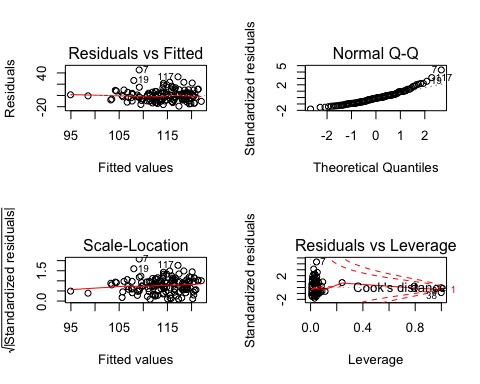
## 1 2 3 4 5 6 7   
## 119.01090 116.34101 112.42314 116.46672 114.10928 111.92180 109.14367   
## 8 9 10 11 12 13 14   
## 105.60751 109.17195 111.52316 109.22507 113.92903 112.29946 114.13564   
## 15 16 17 18 19 20 21   
## 119.25380 105.99404 114.30294 112.12624 108.03637 114.05180 103.26615   
## 22 23 24 25 26 27 28   
## 114.17590 109.63902 111.90205 112.46849 110.84775 116.02316 115.02804   
## 29 30 31 32 33 34 35   
## 105.74359 112.96908 114.19991 115.56367 118.49228 113.18208 114.45597   
## 36 37 38 39 40 41 42   
## 119.75432 118.01999 117.22249 116.57504 107.50245 122.01724 120.36625   
## 43 44 45 46 47 48 49   
## 120.56999 118.41244 118.99415 116.35025 118.40241 120.24466 120.53818   
## 50 51 52 53 54 55 56   
## 118.07859 119.38056 119.50467 120.90477 115.76555 117.30679 113.76476   
## 57 58 59 60 61 62 63   
## 115.91689 113.69275 109.49518 112.96134 104.42115 113.48891 118.55016   
## 64 65 66 67 68 69 70   
## 115.46163 112.72772 109.90307 109.70933 111.20982 111.08348 107.68388   
## 71 72 73 74 75 76 77   
## 119.53471 117.39639 118.79638 103.46359 116.51270 114.00236 107.70585   
## 78 79 80 81 82 83 84   
## 107.71173 116.65586 118.57277 121.39310 121.28162 106.65914 94.92830   
## 85 86 87 88 89 90 91   
## 113.53778 113.11987 108.78059 112.01442 111.41059 110.69600 118.33848   
## 92 93 94 95 96 97 98   
## 119.86191 112.55013 108.83254 114.33654 116.09758 119.53884 116.43174   
## 99 100 101 102 103 104 105   
## 106.78323 120.44835 104.20374 120.47418 118.09686 115.82567 118.99103   
## 106 107 108 109 110 111 112   
## 120.68954 114.84609 118.78240 114.65641 117.95397 112.49605 114.17291   
## 113 114 115 116 117 118 119   
## 111.22041 106.94527 115.90855 116.09063 117.18694 119.04523 119.13622   
## 120 121 122 123 124 125 126   
## 117.39975 114.85006 118.73793 112.85242 111.34859 120.12743 112.72788   
## 127 128 129 130 131 132 133   
## 109.14681 112.47616 116.83401 115.55001 115.55557 114.83874 117.38595   
## 134   
## 98.54194

## # A tibble: 1 x 11  
## r.squared adj.r.squared sigma statistic p.value df logLik AIC BIC  
## <dbl> <dbl> <dbl> <dbl> <dbl> <int> <dbl> <dbl> <dbl>  
## 1 0.181 0.135 10.7 3.96 6.01e-4 8 -504. 1026. 1052.  
## # … with 2 more variables: deviance <dbl>, df.residual <int>

|  |  |  |
| --- | --- | --- |
| term | estimate | p.value |
| (Intercept) | 122.799 | 0.000 |
| fuel\_used\_for\_cooking\_percent\_wood\_dung | 9.489 | 0.657 |
| percent\_public\_source | -0.100 | 0.292 |
| percent\_private\_toilet | 0.023 | 0.339 |
| percent\_employed | -10.248 | 0.432 |
| percent\_without\_hs\_education | -19.777 | 0.002 |
| percent\_caste | -0.065 | 0.550 |
| percent\_female | 0.003 | 0.999 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| fbg | fuel\_used\_for\_cooking\_percent\_wood\_dung | percent\_public\_source | percent\_private\_toilet | percent\_employed | percent\_without\_hs\_education | percent\_caste | percent\_female | .fitted | .se.fit | .resid | .hat | .sigma | .cooksd | .std.resid |
| 123.4 | 0.0000000 | 0.0270270 | 100.0000000 | 0.5405405 | 0.0270270 | 0.5675676 | 0.7017544 | 119.01090 | 2.132516 | 4.3891003 | 0.0394599 | 10.770715 | 0.0008936 | 0.4171607 |
| 109.8 | 0.0000000 | 0.0789474 | 0.7368421 | 0.5789474 | 0.0263158 | 0.2368421 | 0.6666667 | 116.34101 | 2.228010 | -6.5410070 | 0.0430730 | 10.761554 | 0.0021828 | -0.6228606 |
| 111.4 | 0.0277778 | 0.0555556 | 0.4722222 | 0.4444444 | 0.3055556 | 0.7500000 | 0.7142857 | 112.42314 | 1.409934 | -1.0231392 | 0.0172492 | 10.777765 | 0.0000203 | -0.0961388 |
| 113.1 | 0.0000000 | 0.1538462 | 0.7692308 | 0.6153846 | 0.0000000 | 0.4615385 | 0.7000000 | 116.46672 | 2.650985 | -3.3667236 | 0.0609798 | 10.773680 | 0.0008502 | -0.3236351 |
| 112.8 | 0.0277778 | 0.1944444 | 0.8333333 | 0.3888889 | 0.2500000 | 0.3888889 | 0.6909091 | 114.10928 | 1.840758 | -1.3092778 | 0.0294012 | 10.777505 | 0.0000580 | -0.1237934 |
| 98.6 | 0.0000000 | 0.3076923 | 0.7435897 | 0.5128205 | 0.2820513 | 0.4871795 | 0.6551724 | 111.92180 | 1.171361 | -13.3217968 | 0.0119056 | 10.711296 | 0.0023473 | -1.2483870 |
| 154.5 | 0.0000000 | 0.1351351 | 0.5405405 | 0.6486486 | 0.3513514 | 0.9189189 | 0.7017544 | 109.14367 | 2.288450 | 45.3563327 | 0.0454417 | 9.946241 | 0.1112772 | 4.3243648 |
| 105.6 | 0.0526316 | 0.3947368 | 0.9473684 | 0.5789474 | 0.2631579 | 100.0000000 | 0.6666667 | 105.60751 | 10.732600 | -0.0075058 | 0.9994962 | 10.778119 | 0.2406514 | -0.0311505 |
| 123.8 | 0.0000000 | 0.2777778 | 0.3611111 | 0.4166667 | 0.4722222 | 0.0000000 | 0.6153846 | 109.17195 | 2.201624 | 14.6280535 | 0.0420588 | 10.694940 | 0.0106374 | 1.3922036 |
| 102.1 | 0.0000000 | 0.1500000 | 0.8500000 | 0.4250000 | 0.3500000 | 0.0750000 | 0.6666667 | 111.52316 | 1.652837 | -9.4231619 | 0.0237045 | 10.744353 | 0.0023952 | -0.8883654 |
| 105.4 | 0.0000000 | 0.1071429 | 0.9285714 | 0.6666667 | 0.3392857 | 0.6785714 | 0.6666667 | 109.22507 | 2.482893 | -3.8250679 | 0.0534918 | 10.772422 | 0.0009475 | -0.3662373 |
| 106.8 | 0.0000000 | 0.0344828 | 0.9137931 | 0.4655172 | 0.2068966 | 0.4137931 | 0.6666667 | 113.92903 | 1.189064 | -7.1290281 | 0.0122682 | 10.759047 | 0.0006932 | -0.6681846 |
| 107.1 | 0.0000000 | 0.3818182 | 0.8000000 | 0.4909091 | 0.2727273 | 0.8727273 | 0.6585366 | 112.29946 | 1.141840 | -5.1994603 | 0.0113131 | 10.768008 | 0.0003394 | -0.4870959 |
| 98.0 | 0.0000000 | 0.1636364 | 0.8909091 | 0.4909091 | 0.1818182 | 0.6545455 | 0.6746988 | 114.13564 | 1.184052 | -16.1356366 | 0.0121650 | 10.679898 | 0.0035204 | -1.5122707 |
| 122.9 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4545455 | 0.0606061 | 0.2121212 | 0.6250000 | 119.25380 | 1.819636 | 3.6461976 | 0.0287303 | 10.773079 | 0.0004392 | 0.3446322 |
| 115.7 | 0.0263158 | 0.8684211 | 0.1315789 | 0.7368421 | 0.4736842 | 0.8157895 | 0.6896552 | 105.99404 | 3.270698 | 9.7059603 | 0.0928223 | 10.739552 | 0.0115246 | 0.9492442 |
| 110.2 | 0.0000000 | 0.2702703 | 0.7837838 | 0.4594595 | 0.1891892 | 0.5945946 | 0.6785714 | 114.30294 | 1.228946 | -4.1029424 | 0.0131050 | 10.771828 | 0.0002457 | -0.3847207 |
| 105.9 | 0.1025641 | 0.0256410 | 0.9487179 | 0.5897436 | 0.2820513 | 0.6923077 | 0.6551724 | 112.12624 | 2.371738 | -6.2262440 | 0.0488095 | 10.763024 | 0.0022683 | -0.5946727 |
| 134.7 | 0.0000000 | 0.2105263 | 0.9473684 | 0.4210526 | 0.5263158 | 0.6315789 | 0.6666667 | 108.03637 | 2.434860 | 26.6636280 | 0.0514422 | 10.496318 | 0.0440871 | 2.5501925 |
| 127.8 | 0.0000000 | 0.0263158 | 0.8947368 | 0.4473684 | 0.2105263 | 0.2894737 | 0.6896552 | 114.05180 | 1.267453 | 13.7481988 | 0.0139391 | 10.706786 | 0.0029390 | 1.2896729 |
| 95.3 | 0.0540541 | 0.7837838 | 0.5675676 | 0.5405405 | 0.7297297 | 0.1621622 | 0.6071429 | 103.26615 | 2.977421 | -7.9661459 | 0.0769222 | 10.752616 | 0.0062137 | -0.7723510 |
| 135.7 | 0.0000000 | 0.1500000 | 0.9000000 | 0.5500000 | 0.1500000 | 0.4250000 | 0.6666667 | 114.17590 | 1.524643 | 21.5240992 | 0.0201701 | 10.601233 | 0.0105569 | 2.0255141 |
| 100.7 | 0.0000000 | 0.6923077 | 0.6666667 | 0.4871795 | 0.4102564 | 0.0256410 | 0.6779661 | 109.63902 | 1.546072 | -8.9390169 | 0.0207411 | 10.747835 | 0.0018745 | -0.8414467 |
| 117.7 | 0.0000000 | 0.8461538 | 0.6923077 | 0.4615385 | 0.3076923 | 0.2307692 | 0.6779661 | 111.90205 | 1.290052 | 5.7979479 | 0.0144406 | 10.765494 | 0.0005421 | 0.5440246 |
| 113.1 | 0.0000000 | 0.5365854 | 0.6585366 | 0.3902439 | 0.3170732 | 0.3658537 | 0.6774194 | 112.46849 | 1.874654 | 0.6315145 | 0.0304939 | 10.778008 | 0.0000140 | 0.0597439 |
| 111.4 | 0.0769231 | 0.3333333 | 0.7179487 | 0.5384615 | 0.3589744 | 0.7435897 | 0.6779661 | 110.84775 | 1.741409 | 0.5522546 | 0.0263131 | 10.778044 | 0.0000092 | 0.0521333 |
| 104.9 | 0.0000000 | 0.4102564 | 0.7179487 | 0.4102564 | 0.1282051 | 0.2051282 | 0.6551724 | 116.02316 | 1.628682 | -11.1231637 | 0.0230167 | 10.731059 | 0.0032360 | -1.0482633 |
| 114.9 | 0.0000000 | 0.1538462 | 0.7948718 | 0.4615385 | 0.1538462 | 0.0512821 | 0.6779661 | 115.02804 | 1.287678 | -0.1280418 | 0.0143875 | 10.778154 | 0.0000003 | -0.0120139 |
| 103.6 | 0.0000000 | 0.9250000 | 0.8250000 | 0.4500000 | 0.6250000 | 0.1750000 | 0.6666667 | 105.74359 | 2.784353 | -2.1435924 | 0.0672698 | 10.776332 | 0.0003854 | -0.2067520 |
| 113.8 | 0.0000000 | 0.2307692 | 0.8974359 | 0.5128205 | 0.2307692 | 0.1538462 | 0.6551724 | 112.96908 | 1.166194 | 0.8309218 | 0.0118008 | 10.777901 | 0.0000090 | 0.0778616 |
| 112.6 | 0.0000000 | 0.1750000 | 0.7750000 | 0.5000000 | 0.1750000 | 0.2500000 | 0.6666667 | 114.19991 | 1.216465 | -1.5999122 | 0.0128402 | 10.777198 | 0.0000366 | -0.1499989 |
| 116.4 | 0.0000000 | 0.1025641 | 0.7948718 | 0.3589744 | 0.1794872 | 0.2564103 | 0.6551724 | 115.56367 | 2.049023 | 0.8363266 | 0.0364305 | 10.777891 | 0.0000298 | 0.0793634 |
| 111.0 | 0.0000000 | 0.0270270 | 100.0000000 | 0.5945946 | 0.0270270 | 0.0270270 | 0.7017544 | 118.49228 | 2.568159 | -7.4922822 | 0.0572288 | 10.756040 | 0.0039202 | -0.7187810 |
| 103.5 | 0.0263158 | 0.4736842 | 0.9210526 | 0.4473684 | 0.2631579 | 0.8157895 | 0.6896552 | 113.18208 | 1.320280 | -9.6820835 | 0.0151253 | 10.742778 | 0.0015855 | -0.9087909 |
| 104.7 | 0.0256410 | 0.2307692 | 0.9743590 | 0.5384615 | 0.1538462 | 0.4102564 | 0.6551724 | 114.45597 | 1.475836 | -9.7559735 | 0.0188994 | 10.742097 | 0.0020269 | -0.9174860 |
| 124.1 | 0.0000000 | 0.0188679 | 100.0000000 | 0.3773585 | 0.0754717 | 0.1320755 | 0.6750000 | 119.75432 | 2.116612 | 4.3456821 | 0.0388735 | 10.770866 | 0.0008620 | 0.4129080 |
| 112.8 | 0.0000000 | 0.0526316 | 0.9473684 | 0.3157895 | 0.0789474 | 0.0000000 | 0.6666667 | 118.01999 | 2.584503 | -5.2199880 | 0.0579596 | 10.767420 | 0.0019302 | -0.5009800 |
| 116.9 | 0.0000000 | 0.0000000 | 0.9750000 | 0.5000000 | 0.0250000 | 0.0000000 | 6.6666667 | 117.22249 | 10.728761 | -0.3224876 | 0.9987813 | 10.746444 | 75.8527739 | -0.8604926 |
| 112.7 | 0.0000000 | 0.0769231 | 0.8846154 | 0.4230769 | 0.0961538 | 0.0192308 | 0.6666667 | 116.57504 | 1.614811 | -3.8750434 | 0.0226264 | 10.772457 | 0.0003858 | -0.3651169 |
| 103.6 | 0.0000000 | 0.8285714 | 0.0285714 | 0.6000000 | 0.4571429 | 0.4000000 | 0.6274510 | 107.50245 | 2.056464 | -3.9024503 | 0.0366956 | 10.772291 | 0.0006532 | -0.3703746 |
| 111.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3030303 | 0.0000000 | 0.0303030 | 0.6800000 | 122.01724 | 2.697923 | -10.5172355 | 0.0631583 | 10.734253 | 0.0086334 | -1.0121715 |
| 118.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4000000 | 0.0333333 | 0.0000000 | 0.6956522 | 120.36625 | 1.969292 | -2.1662518 | 0.0336505 | 10.776358 | 0.0001834 | -0.2052709 |
| 106.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4444444 | 0.0000000 | 0.0000000 | 0.6829268 | 120.56999 | 1.861598 | -13.7699867 | 0.0300707 | 10.705364 | 0.0065737 | -1.3024142 |
| 110.9 | 0.0000000 | 0.0263158 | 100.0000000 | 0.5526316 | 0.0526316 | 0.0789474 | 0.6428571 | 118.41244 | 2.193580 | -7.5124404 | 0.0417521 | 10.756281 | 0.0027833 | -0.7148711 |
| 111.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3947368 | 0.1052632 | 0.0526316 | 0.6896552 | 118.99415 | 2.041390 | -7.1941457 | 0.0361596 | 10.758214 | 0.0021850 | -0.6825937 |
| 108.0 | 0.0000000 | 0.0000000 | 0.9666667 | 0.5666667 | 0.0333333 | 0.1000000 | 0.6666667 | 116.35025 | 2.099032 | -8.3502505 | 0.0382305 | 10.751221 | 0.0031257 | -0.7931396 |
| 141.8 | 0.0400000 | 0.0000000 | 100.0000000 | 0.5000000 | 0.1000000 | 0.0000000 | 0.6666667 | 118.40241 | 1.992794 | 23.3975883 | 0.0344585 | 10.565645 | 0.0219471 | 2.2180496 |
| 120.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4761905 | 0.0000000 | 0.0000000 | 0.6875000 | 120.24466 | 1.881236 | -0.1446608 | 0.0307084 | 10.778152 | 0.0000007 | -0.0136870 |
| 106.9 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4473684 | 0.0000000 | 0.0263158 | 0.6428571 | 120.53818 | 1.862099 | -13.6381841 | 0.0300868 | 10.706754 | 0.0064522 | -1.2899585 |
| 121.5 | 0.0000000 | 0.0000000 | 0.9855072 | 0.4347826 | 0.0144928 | 0.0434783 | 0.6730769 | 118.07859 | 1.853889 | 3.4214076 | 0.0298221 | 10.773681 | 0.0004023 | 0.3235674 |
| 129.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4615385 | 0.0512821 | 0.0000000 | 0.6779661 | 119.38056 | 1.818566 | 10.1194365 | 0.0286965 | 10.738962 | 0.0033784 | 0.9564549 |
| 109.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5483871 | 0.0000000 | 0.0000000 | 0.6521739 | 119.50467 | 2.233459 | -9.7046735 | 0.0432840 | 10.741564 | 0.0048306 | -0.9242193 |
| 117.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4117647 | 0.0000000 | 0.0000000 | 0.6400000 | 120.90477 | 1.937411 | -3.3047697 | 0.0325698 | 10.773970 | 0.0004122 | -0.3129803 |
| 115.6 | 0.0000000 | 0.1304348 | 0.8695652 | 0.4347826 | 0.1304348 | 0.1086957 | 0.6666667 | 115.76555 | 1.458809 | -0.1655463 | 0.0184658 | 10.778150 | 0.0000006 | -0.0155651 |
| 117.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5641026 | 0.1025641 | 0.1282051 | 0.6551724 | 117.30679 | 2.252552 | -0.1067934 | 0.0440272 | 10.778156 | 0.0000006 | -0.0101744 |
| 104.3 | 0.0000000 | 0.1315789 | 0.9736842 | 0.4736842 | 0.2105263 | 0.4210526 | 0.6666667 | 113.76476 | 1.161603 | -9.4647569 | 0.0117081 | 10.744468 | 0.0011647 | -0.8868547 |
| 105.3 | 0.0000000 | 0.0500000 | 0.9500000 | 0.5250000 | 0.0750000 | 0.5750000 | 0.7096774 | 115.91689 | 1.633847 | -10.6168866 | 0.0231630 | 10.735251 | 0.0029677 | -1.0006259 |
| 117.6 | 0.0000000 | 0.0243902 | 0.8536585 | 0.5121951 | 0.1951220 | 0.2682927 | 0.6984127 | 113.69275 | 1.198808 | 3.9072483 | 0.0124701 | 10.772421 | 0.0002117 | 0.3662533 |
| 93.5 | 0.0000000 | 0.4594595 | 0.4324324 | 0.4054054 | 0.4594595 | 0.4324324 | 0.6785714 | 109.49518 | 2.236111 | -15.9951806 | 0.0433868 | 10.678443 | 0.0131566 | -1.5233742 |
| 98.7 | 0.0000000 | 0.0512821 | 0.8717949 | 0.5128205 | 0.2307692 | 0.5384615 | 0.6779661 | 112.96134 | 1.157230 | -14.2613433 | 0.0116201 | 10.701520 | 0.0026240 | -1.3362389 |
| 112.2 | 0.2549020 | 0.3421053 | 0.7894737 | 0.6052632 | 0.7368421 | 0.1052632 | 0.6428571 | 104.42115 | 5.273745 | 7.7788528 | 0.2413290 | 10.748519 | 0.0275179 | 0.8319063 |
| 102.6 | 0.0000000 | 0.1538462 | 0.8974359 | 0.5128205 | 0.2051282 | 0.0769231 | 0.6551724 | 113.48891 | 1.195868 | -10.8889084 | 0.0124090 | 10.733512 | 0.0016362 | -1.0206608 |
| 122.7 | 0.0000000 | 0.0000000 | 0.8333333 | 0.4166667 | 0.0000000 | 0.0000000 | 0.6666667 | 118.55016 | 1.990030 | 4.1498354 | 0.0343630 | 10.771540 | 0.0006883 | 0.3933775 |
| 138.9 | 0.0000000 | 0.0000000 | 0.9729730 | 0.4054054 | 0.1621622 | 0.0000000 | 0.6545455 | 115.46163 | 1.611731 | 23.4383657 | 0.0225401 | 10.567523 | 0.0140571 | 2.2083276 |
| 100.0 | 0.0000000 | 0.2666667 | 0.8000000 | 0.4666667 | 0.2666667 | 0.1333333 | 0.6956522 | 112.72772 | 1.194087 | -12.7277201 | 0.0123721 | 10.717114 | 0.0022286 | -1.1929976 |
| 104.2 | 0.0256410 | 0.0512821 | 0.8974359 | 0.4871795 | 0.4102564 | 0.7692308 | 0.6551724 | 109.90307 | 1.473567 | -5.7030742 | 0.0188413 | 10.765851 | 0.0006904 | -0.5363213 |
| 103.7 | 0.0500000 | 0.2500000 | 0.7000000 | 0.5000000 | 0.4250000 | 0.4250000 | 0.6666667 | 109.70933 | 1.592700 | -6.0093263 | 0.0220110 | 10.764448 | 0.0009014 | -0.5660365 |
| 101.1 | 0.0000000 | 0.2500000 | 0.6500000 | 0.5000000 | 0.3250000 | 0.4500000 | 0.6666667 | 111.20982 | 1.232544 | -10.1098248 | 0.0131818 | 10.739653 | 0.0015006 | -0.9480051 |
| 115.1 | 0.0000000 | 0.1351351 | 0.8918919 | 0.5675676 | 0.2972973 | 0.4324324 | 0.6545455 | 111.08348 | 1.480612 | 4.0165178 | 0.0190219 | 10.772055 | 0.0003459 | 0.3777510 |
| 97.8 | 0.0000000 | 0.2500000 | 0.8888889 | 0.6666667 | 0.4166667 | 0.6111111 | 0.6666667 | 107.68388 | 2.558322 | -9.8838832 | 0.0567913 | 10.739653 | 0.0067640 | -0.9480022 |
| 110.0 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5454545 | 0.0000000 | 0.0000000 | 0.6461538 | 119.53471 | 2.213199 | -9.5347093 | 0.0425023 | 10.742866 | 0.0045712 | -0.9076621 |
| 119.4 | 0.0000000 | 0.0000000 | 0.9607843 | 0.5294118 | 0.0000000 | 0.0196078 | 0.6578947 | 117.39639 | 2.024493 | 2.0036139 | 0.0355634 | 10.776615 | 0.0001665 | 0.1900478 |
| 122.6 | 0.0000000 | 0.0000000 | 0.9285714 | 0.3928571 | 0.0000000 | 0.0000000 | 0.6666667 | 118.79638 | 2.115587 | 3.8036178 | 0.0388359 | 10.772573 | 0.0006596 | 0.3613963 |
| 96.9 | 0.0975610 | 0.3414634 | 0.2439024 | 0.5609756 | 0.7317073 | 0.2195122 | 0.6774194 | 103.46359 | 3.163194 | -6.5635882 | 0.0868206 | 10.760638 | 0.0048649 | -0.6398069 |
| 128.1 | 0.0000000 | 0.0000000 | 0.9333333 | 0.5833333 | 0.0166667 | 0.0333333 | 0.6813187 | 116.51270 | 2.302695 | 11.5873026 | 0.0460091 | 10.725801 | 0.0073621 | 1.1050855 |
| 120.5 | 0.0000000 | 0.0750000 | 0.9000000 | 0.4250000 | 0.2250000 | 0.1000000 | 0.6666667 | 114.00236 | 1.423234 | 6.4976385 | 0.0175762 | 10.762200 | 0.0008339 | 0.6106491 |
| 109.5 | 0.0000000 | 0.5263158 | 0.5789474 | 0.5526316 | 0.4736842 | 0.3684211 | 0.6428571 | 107.70585 | 1.864861 | 1.7941459 | 0.0301762 | 10.776928 | 0.0001120 | 0.1697059 |
| 111.5 | 0.0000000 | 0.6000000 | 0.3500000 | 0.5500000 | 0.4750000 | 0.1000000 | 0.6666667 | 107.71173 | 1.863859 | 3.7882670 | 0.0301437 | 10.772667 | 0.0004988 | 0.3583212 |
| 130.4 | 0.0000000 | 0.0263158 | 0.9736842 | 0.5000000 | 0.0526316 | 0.0000000 | 0.6666667 | 116.65586 | 1.654780 | 13.7441359 | 0.0237603 | 10.706108 | 0.0051080 | 1.2957608 |
| 128.1 | 0.0256410 | 0.0000000 | 100.0000000 | 0.5641026 | 0.0512821 | 0.0000000 | 0.6779661 | 118.57277 | 2.291499 | 9.5272268 | 0.0455628 | 10.742808 | 0.0049241 | 0.9084028 |
| 132.6 | 0.0000000 | 0.0303030 | 100.0000000 | 0.3636364 | 0.0000000 | 0.0303030 | 0.6800000 | 121.39310 | 2.194642 | 11.2068953 | 0.0417925 | 10.729406 | 0.0062006 | 1.0664517 |
| 132.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3750000 | 0.0000000 | 0.0000000 | 0.6666667 | 121.28162 | 2.119667 | 10.9183811 | 0.0389858 | 10.732025 | 0.0054581 | 1.0374782 |
| 94.8 | 0.0000000 | 0.9750000 | 0.0000000 | 0.5500000 | 0.5250000 | 0.3750000 | 0.6206897 | 106.65914 | 2.085016 | -11.8591368 | 0.0377216 | 10.723783 | 0.0062141 | -1.1261295 |
| 96.1 | 0.0000000 | 100.0000000 | 0.0000000 | 0.5405405 | 0.6216216 | 0.6756757 | 0.6296296 | 94.92830 | 9.560913 | 1.1716974 | 0.7931769 | 10.775697 | 0.0276111 | 0.2399946 |
| 106.7 | 0.0000000 | 0.2931034 | 0.6896552 | 0.5344828 | 0.1896552 | 0.3275862 | 0.6511628 | 113.53778 | 1.327335 | -6.8377804 | 0.0152873 | 10.760525 | 0.0007995 | -0.6418684 |
| 116.1 | 0.0000000 | 0.0000000 | 0.9148936 | 0.5744681 | 0.1914894 | 0.4255319 | 0.6571429 | 113.11987 | 1.622169 | 2.9801292 | 0.0228330 | 10.774787 | 0.0002303 | 0.2808254 |
| 109.6 | 0.0000000 | 0.1666667 | 0.8333333 | 0.6666667 | 0.3611111 | 0.7500000 | 0.6666667 | 108.78059 | 2.494072 | 0.8194140 | 0.0539746 | 10.777897 | 0.0000439 | 0.0784761 |
| 110.9 | 0.0000000 | 0.0000000 | 0.7068966 | 0.5517241 | 0.2586207 | 0.5172414 | 0.6511628 | 112.01442 | 1.354990 | -1.1144247 | 0.0159310 | 10.777692 | 0.0000222 | -0.1046462 |
| 111.5 | 0.0000000 | 0.0869565 | 0.7391304 | 0.5652174 | 0.2826087 | 0.2608696 | 0.6666667 | 111.41059 | 1.457007 | 0.0894134 | 0.0184202 | 10.778157 | 0.0000002 | 0.0084067 |
| 101.2 | 0.0000000 | 0.0000000 | 0.9743590 | 0.5384615 | 0.3333333 | 0.2564103 | 0.6551724 | 110.69600 | 1.343842 | -9.4959989 | 0.0156700 | 10.744108 | 0.0015818 | -0.8915710 |
| 115.1 | 0.0175439 | 0.0000000 | 0.9824561 | 0.3859649 | 0.0350877 | 0.0350877 | 0.6588235 | 118.33848 | 2.124859 | -3.2384786 | 0.0391770 | 10.774109 | 0.0004827 | -0.3077549 |
| 105.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4531250 | 0.0312500 | 0.0156250 | 0.6666667 | 119.86191 | 1.828182 | -14.2619139 | 0.0290008 | 10.700136 | 0.0067859 | -1.3481990 |
| 111.7 | 0.0169492 | 0.1355932 | 0.7796610 | 0.4915254 | 0.2711864 | 0.2372881 | 0.6590909 | 112.55013 | 1.115608 | -0.8501277 | 0.0107993 | 10.777889 | 0.0000087 | -0.0796210 |
| 106.4 | 0.0000000 | 0.2131148 | 0.9672131 | 0.5081967 | 0.4426230 | 0.1147541 | 0.6739130 | 108.83254 | 1.661601 | -2.4325423 | 0.0239566 | 10.775910 | 0.0001614 | -0.2293567 |
| 119.6 | 0.0000000 | 0.0800000 | 0.9800000 | 0.4800000 | 0.1800000 | 0.0000000 | 0.6486486 | 114.33654 | 1.200858 | 5.2634608 | 0.0125128 | 10.767743 | 0.0003856 | 0.4933911 |
| 103.4 | 0.0000000 | 0.0526316 | 0.8684211 | 0.5526316 | 0.0526316 | 0.2105263 | 0.6428571 | 116.09758 | 1.919358 | -12.6975769 | 0.0319656 | 10.716171 | 0.0059652 | -1.2021567 |
| 104.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4000000 | 0.0750000 | 0.0500000 | 0.6666667 | 119.53884 | 1.980998 | -15.0388398 | 0.0340517 | 10.690913 | 0.0089524 | -1.4253550 |
| 114.4 | 0.0000000 | 0.0285714 | 0.9142857 | 0.4571429 | 0.0857143 | 0.1142857 | 0.6792453 | 116.43174 | 1.503393 | -2.0317412 | 0.0196118 | 10.776597 | 0.0000914 | -0.1911415 |
| 112.2 | 0.0540541 | 0.1081081 | 0.1351351 | 0.5675676 | 0.5405405 | 0.2432432 | 0.6785714 | 106.78323 | 2.099070 | 5.4167701 | 0.0382318 | 10.766832 | 0.0013154 | 0.5145065 |
| 119.5 | 0.0000000 | 0.0175439 | 100.0000000 | 0.4561404 | 0.0000000 | 0.0000000 | 0.6744186 | 120.44835 | 1.858674 | -0.9483467 | 0.0299763 | 10.777816 | 0.0000311 | -0.0896936 |
| 113.3 | 0.0416667 | 0.2708333 | 0.3125000 | 0.5625000 | 0.6666667 | 0.3541667 | 0.6666667 | 104.20374 | 2.665609 | 9.0962564 | 0.0616544 | 10.745385 | 0.0062841 | 0.8747157 |
| 130.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3859649 | 0.0350877 | 0.0175439 | 0.6744186 | 120.47418 | 2.044195 | 9.7258201 | 0.0362590 | 10.741673 | 0.0040052 | 0.9228512 |
| 110.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4871795 | 0.1025641 | 0.1025641 | 0.6779661 | 118.09686 | 1.857746 | -7.9968581 | 0.0299463 | 10.753667 | 0.0022074 | -0.7563227 |
| 125.7 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4102564 | 0.2564103 | 0.3589744 | 0.6551724 | 115.82567 | 2.335248 | 9.8743277 | 0.0473192 | 10.740111 | 0.0055136 | 0.9423657 |
| 122.4 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5333333 | 0.0333333 | 0.1333333 | 0.6666667 | 118.99103 | 2.080887 | 3.4089743 | 0.0375723 | 10.773678 | 0.0005113 | 0.3236870 |
| 123.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4324324 | 0.0000000 | 0.0540541 | 0.6785714 | 120.68954 | 1.878051 | 2.9104585 | 0.0306046 | 10.774917 | 0.0002992 | 0.2753573 |
| 119.9 | 0.0000000 | 0.0697674 | 0.9302326 | 0.4186047 | 0.1860465 | 0.0000000 | 0.6769231 | 114.84609 | 1.480174 | 5.0539056 | 0.0190106 | 10.768493 | 0.0005473 | 0.4753140 |
| 117.0 | 0.0000000 | 0.0750000 | 100.0000000 | 0.4250000 | 0.1000000 | 0.0250000 | 0.6885246 | 118.78240 | 1.896002 | -1.7824020 | 0.0311924 | 10.776943 | 0.0001145 | -0.1686835 |
| 117.0 | 0.0161290 | 0.1774194 | 0.7903226 | 0.4354839 | 0.1935484 | 0.1129032 | 0.6808511 | 114.65641 | 1.381394 | 2.3435880 | 0.0165579 | 10.776087 | 0.0001020 | 0.2201367 |
| 118.2 | 0.0000000 | 0.0000000 | 0.9000000 | 0.4750000 | 0.0000000 | 0.0000000 | 0.6885246 | 117.95397 | 1.861806 | 0.2460334 | 0.0300774 | 10.778137 | 0.0000021 | 0.0232708 |
| 99.8 | 0.0000000 | 0.1621622 | 0.6756757 | 0.3783784 | 0.3243243 | 0.1891892 | 0.6785714 | 112.49605 | 2.013279 | -12.6960502 | 0.0351706 | 10.715979 | 0.0066054 | -1.2040069 |
| 132.6 | 0.0000000 | 0.0555556 | 100.0000000 | 0.5277778 | 0.2777778 | 0.6666667 | 0.6153846 | 114.17291 | 2.316262 | 18.4270870 | 0.0465529 | 10.645170 | 0.0188603 | 1.7578994 |
| 113.5 | 0.0000000 | 0.1282051 | 100.0000000 | 0.4615385 | 0.4615385 | 0.5128205 | 0.6779661 | 111.22041 | 3.071041 | 2.2795853 | 0.0818357 | 10.776060 | 0.0005471 | 0.2216059 |
| 103.4 | 0.0000000 | 0.6052632 | 0.7105263 | 0.4736842 | 0.5526316 | 0.4210526 | 0.6428571 | 106.94527 | 2.285389 | -3.5452733 | 0.0453202 | 10.773273 | 0.0006779 | -0.3379920 |
| 132.3 | 0.0000000 | 0.0476190 | 0.9523810 | 0.4285714 | 0.1269841 | 0.0952381 | 0.6736842 | 115.90855 | 1.499623 | 16.3914535 | 0.0195135 | 10.675979 | 0.0059152 | 1.5419926 |
| 129.8 | 0.0000000 | 0.0000000 | 0.9444444 | 0.3888889 | 0.1388889 | 0.0000000 | 0.6909091 | 116.09063 | 1.777572 | 13.7093733 | 0.0274174 | 10.706203 | 0.0059087 | 1.2949112 |
| 150.3 | 0.0000000 | 0.0000000 | 0.9473684 | 0.4473684 | 0.0526316 | 0.1578947 | 0.6666667 | 117.18694 | 1.658529 | 33.1130616 | 0.0238681 | 10.352896 | 0.0297907 | 3.1219843 |
| 107.3 | 0.0000000 | 0.0263158 | 0.9736842 | 0.3684211 | 0.0000000 | 0.0000000 | 0.6666667 | 119.04523 | 2.282040 | -11.7452259 | 0.0451875 | 10.724407 | 0.0074163 | -1.1196646 |
| 124.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4358974 | 0.0769231 | 0.0000000 | 0.6779661 | 119.13622 | 1.846703 | 4.9637756 | 0.0295914 | 10.768733 | 0.0008398 | 0.4693755 |
| 127.7 | 0.0000000 | 0.0000000 | 0.9000000 | 0.4000000 | 0.0666667 | 0.0666667 | 0.6956522 | 117.39975 | 1.841632 | 10.3002510 | 0.0294291 | 10.737516 | 0.0035950 | 0.9739122 |
| 133.8 | 0.0000000 | 0.0810811 | 0.8918919 | 0.5135135 | 0.1351351 | 0.4324324 | 0.6785714 | 114.85006 | 1.361518 | 18.9499418 | 0.0160849 | 10.641850 | 0.0064714 | 1.7795684 |
| 111.5 | 0.0500000 | 0.0250000 | 100.0000000 | 0.4750000 | 0.1000000 | 0.2000000 | 0.6666667 | 118.73793 | 2.041802 | -7.2379317 | 0.0361742 | 10.757969 | 0.0022126 | -0.6867534 |
| 106.3 | 0.1724138 | 0.8275862 | 0.0000000 | 0.5862069 | 0.2758621 | 0.5862069 | 0.6511628 | 112.85242 | 3.577394 | -6.5524202 | 0.1110465 | 10.760221 | 0.0065438 | -0.6473630 |
| 105.4 | 0.0000000 | 0.2162162 | 0.7297297 | 0.5405405 | 0.2972973 | 0.4324324 | 0.6545455 | 111.34859 | 1.297908 | -5.9485881 | 0.0146170 | 10.764825 | 0.0005778 | -0.5582092 |
| 142.2 | 0.0270270 | 0.0000000 | 100.0000000 | 0.4594595 | 0.0270270 | 0.1621622 | 0.6785714 | 120.12743 | 1.913360 | 22.0725714 | 0.0317661 | 10.589772 | 0.0179057 | 2.0895291 |
| 119.6 | 0.0000000 | 0.3333333 | 0.6944444 | 0.3888889 | 0.3055556 | 0.4166667 | 0.6415094 | 112.72788 | 1.863438 | 6.8721173 | 0.0301301 | 10.760074 | 0.0016407 | 0.6500091 |
| 106.5 | 0.0256410 | 0.1538462 | 0.4102564 | 0.4615385 | 0.4615385 | 0.5128205 | 0.6551724 | 109.14681 | 1.802454 | -2.6468131 | 0.0281903 | 10.775484 | 0.0002268 | -0.2501027 |
| 119.6 | 0.0000000 | 0.0000000 | 0.9487179 | 0.5128205 | 0.2564103 | 0.3076923 | 0.6551724 | 112.47616 | 1.156518 | 7.1238364 | 0.0116058 | 10.759088 | 0.0006539 | 0.6674742 |
| 117.5 | 0.0000000 | 0.0000000 | 0.9117647 | 0.4705882 | 0.0588235 | 0.0294118 | 0.6400000 | 116.83401 | 1.604540 | 0.6659886 | 0.0223395 | 10.777992 | 0.0000112 | 0.0627420 |
| 111.1 | 0.0000000 | 0.0263158 | 0.9210526 | 0.6052632 | 0.0526316 | 0.3947368 | 0.6428571 | 115.55001 | 2.351241 | -4.4500089 | 0.0479695 | 10.770438 | 0.0011368 | -0.4248358 |
| 115.8 | 0.0000000 | 0.0000000 | 0.9714286 | 0.5428571 | 0.0857143 | 0.1428571 | 0.6538462 | 115.55557 | 1.709717 | 0.2444331 | 0.0253641 | 10.778137 | 0.0000017 | 0.0230635 |
| 106.8 | 0.0000000 | 0.0000000 | 0.9090909 | 0.4848485 | 0.1515152 | 0.2727273 | 0.6530612 | 114.83874 | 1.261851 | -8.0387384 | 0.0138162 | 10.753814 | 0.0009957 | -0.7540404 |
| 98.4 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4705882 | 0.1470588 | 0.1176471 | 0.6923077 | 117.38595 | 1.887695 | -18.9859538 | 0.0309197 | 10.639220 | 0.0128725 | -1.7965453 |
| 97.8 | 0.5526316 | 100.0000000 | 0.0000000 | 0.5789474 | 0.6842105 | 0.6578947 | 0.6428571 | 98.54194 | 9.563743 | -0.7419351 | 0.7936464 | 10.777170 | 0.0111280 | -0.1521407 |

## Warning in sqrt(crit \* p \* (1 - hh)/hh): NaNs produced  
  
## Warning in sqrt(crit \* p \* (1 - hh)/hh): NaNs produced



Marital status as a confounder:

##   
## Call:  
## lm(formula = fbg ~ fuel\_used\_for\_cooking\_percent\_wood\_dung +   
## percent\_public\_source + percent\_private\_toilet + percent\_employed +   
## percent\_without\_hs\_education + percent\_caste + percent\_marital\_status,   
## data = total)  
##   
## Residuals:  
## Min 1Q Median 3Q Max   
## -19.036 -7.296 -0.830 4.757 45.216   
##   
## Coefficients:  
## Estimate Std. Error t value  
## (Intercept) 122.62145 6.39343 19.179  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 9.54670 21.28819 0.448  
## percent\_public\_source -0.09870 0.09437 -1.046  
## percent\_private\_toilet 0.02260 0.02410 0.938  
## percent\_employed -9.36197 13.10517 -0.714  
## percent\_without\_hs\_education -20.42571 6.30929 -3.237  
## percent\_caste -0.06682 0.10896 -0.613  
## percent\_marital\_status -0.03270 0.06488 -0.504  
## Pr(>|t|)   
## (Intercept) < 2e-16 \*\*\*  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 0.65460   
## percent\_public\_source 0.29765   
## percent\_private\_toilet 0.35019   
## percent\_employed 0.47632   
## percent\_without\_hs\_education 0.00154 \*\*   
## percent\_caste 0.54083   
## percent\_marital\_status 0.61513   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## Residual standard error: 10.72 on 126 degrees of freedom  
## Multiple R-squared: 0.1822, Adjusted R-squared: 0.1367   
## F-statistic: 4.009 on 7 and 126 DF, p-value: 0.0005407

## Estimate Std. Error  
## (Intercept) 122.62145038 6.39343027  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 9.54670133 21.28818891  
## percent\_public\_source -0.09869746 0.09437384  
## percent\_private\_toilet 0.02260344 0.02410484  
## percent\_employed -9.36196705 13.10517282  
## percent\_without\_hs\_education -20.42571136 6.30929207  
## percent\_caste -0.06681502 0.10895543  
## percent\_marital\_status -0.03270142 0.06488129  
## t value Pr(>|t|)  
## (Intercept) 19.1792895 3.473968e-39  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 0.4484506 6.545983e-01  
## percent\_public\_source -1.0458138 2.976492e-01  
## percent\_private\_toilet 0.9377138 3.501855e-01  
## percent\_employed -0.7143719 4.763186e-01  
## percent\_without\_hs\_education -3.2374015 1.541765e-03  
## percent\_caste -0.6132325 5.408280e-01  
## percent\_marital\_status -0.5040193 6.151280e-01

## (Intercept)   
## 122.62145038   
## fuel\_used\_for\_cooking\_percent\_wood\_dung   
## 9.54670133   
## percent\_public\_source   
## -0.09869746   
## percent\_private\_toilet   
## 0.02260344   
## percent\_employed   
## -9.36196705   
## percent\_without\_hs\_education   
## -20.42571136   
## percent\_caste   
## -0.06681502   
## percent\_marital\_status   
## -0.03270142

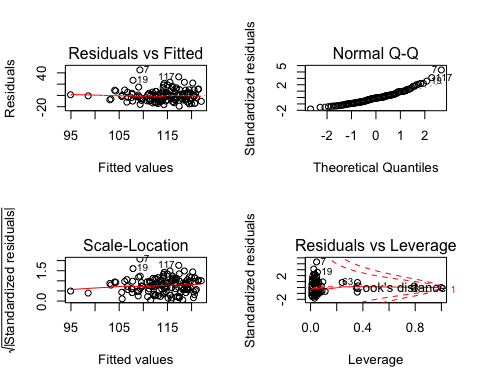
## 1 2 3 4 5 6 7   
## 119.20212 116.63193 112.41039 113.56146 114.08313 111.98892 109.28407   
## 8 9 10 11 12 13 14   
## 105.60291 109.02956 111.46685 109.38528 113.99757 112.34788 114.24293   
## 15 16 17 18 19 20 21   
## 119.34750 106.13169 114.37871 112.25997 107.86009 114.10208 103.06454   
## 22 23 24 25 26 27 28   
## 114.35541 109.59891 111.90224 112.39793 110.88507 116.09213 115.12646   
## 29 30 31 32 33 34 35   
## 105.52709 113.06721 114.32008 115.55428 118.73307 113.20213 114.62441   
## 36 37 38 39 40 41 42   
## 119.76464 118.04030 117.42325 116.67691 107.52811 122.01705 120.42672   
## 43 44 45 46 47 48 49   
## 120.68943 118.59505 119.00343 116.62340 118.51068 120.39413 120.66253   
## 50 51 52 53 54 55 56   
## 118.24689 119.48407 116.47767 120.99609 115.85505 117.46950 113.84090   
## 57 58 59 60 61 62 63   
## 116.12563 113.81343 109.34499 113.05865 104.28401 113.59949 115.46932   
## 64 65 66 67 68 69 70   
## 115.51014 112.75801 109.85914 109.66774 111.23427 111.18239 107.79313   
## 71 72 73 74 75 76 77   
## 119.74554 117.65603 118.93766 103.28698 116.80822 114.02202 107.67708   
## 78 79 80 81 82 83 84   
## 107.68274 116.85730 118.77117 121.44864 121.34244 106.59570 94.91804   
## 85 86 87 88 89 90 91   
## 113.67700 113.29641 108.93285 112.12582 111.51897 110.74485 118.44946   
## 92 93 94 95 96 97 98   
## 119.97067 112.60311 108.78705 114.43786 116.34208 119.57067 116.57030   
## 99 100 101 102 103 104 105   
## 106.73175 120.57871 104.06404 120.52128 118.19137 115.75281 119.16846   
## 106 107 108 109 110 111 112   
## 120.80413 114.88532 118.82025 114.71046 118.16788 112.41553 114.18785   
## 113 114 115 116 117 118 119   
## 111.05989 106.79873 115.99735 116.13606 117.33719 119.16074 119.20206   
## 120 121 122 123 124 125 126   
## 117.50904 115.00517 118.82682 112.99228 111.42375 120.24367 112.66448   
## 127 128 129 130 131 132 133   
## 109.05023 112.55210 117.00528 115.83997 115.77098 114.96209 117.43567   
## 134   
## 98.55786

## # A tibble: 1 x 11  
## r.squared adj.r.squared sigma statistic p.value df logLik AIC BIC  
## <dbl> <dbl> <dbl> <dbl> <dbl> <int> <dbl> <dbl> <dbl>  
## 1 0.182 0.137 10.7 4.01 5.41e-4 8 -504. 1026. 1052.  
## # … with 2 more variables: deviance <dbl>, df.residual <int>

|  |  |  |
| --- | --- | --- |
| term | estimate | p.value |
| (Intercept) | 122.621 | 0.000 |
| fuel\_used\_for\_cooking\_percent\_wood\_dung | 9.547 | 0.655 |
| percent\_public\_source | -0.099 | 0.298 |
| percent\_private\_toilet | 0.023 | 0.350 |
| percent\_employed | -9.362 | 0.476 |
| percent\_without\_hs\_education | -20.426 | 0.002 |
| percent\_caste | -0.067 | 0.541 |
| percent\_marital\_status | -0.033 | 0.615 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| fbg | fuel\_used\_for\_cooking\_percent\_wood\_dung | percent\_public\_source | percent\_private\_toilet | percent\_employed | percent\_without\_hs\_education | percent\_caste | percent\_marital\_status | .fitted | .se.fit | .resid | .hat | .sigma | .cooksd | .std.resid |
| 123.4 | 0.0000000 | 0.0270270 | 100.0000000 | 0.5405405 | 0.0270270 | 0.5675676 | 0.8108108 | 119.20212 | 2.163870 | 4.1978787 | 0.0407107 | 10.760485 | 0.0008473 | 0.3996484 |
| 109.8 | 0.0000000 | 0.0789474 | 0.7368421 | 0.5789474 | 0.0263158 | 0.2368421 | 0.7631579 | 116.63193 | 2.275058 | -6.8319278 | 0.0450019 | 10.749140 | 0.0025030 | -0.6518760 |
| 111.4 | 0.0277778 | 0.0555556 | 0.4722222 | 0.4444444 | 0.3055556 | 0.7500000 | 0.8947368 | 112.41039 | 1.408293 | -1.0103929 | 0.0172438 | 10.766926 | 0.0000198 | -0.0950365 |
| 113.1 | 0.0000000 | 0.1538462 | 0.7692308 | 0.6153846 | 0.0000000 | 0.4615385 | 100.0000000 | 113.56146 | 6.336881 | -0.4614631 | 0.3491379 | 10.767190 | 0.0001907 | -0.0533354 |
| 112.8 | 0.0277778 | 0.1944444 | 0.8333333 | 0.3888889 | 0.2500000 | 0.3888889 | 0.9166667 | 114.08313 | 1.839388 | -1.2831288 | 0.0294166 | 10.766681 | 0.0000559 | -0.1214442 |
| 98.6 | 0.0000000 | 0.3076923 | 0.7435897 | 0.5128205 | 0.2820513 | 0.4871795 | 0.7435897 | 111.98892 | 1.172310 | -13.3889155 | 0.0119490 | 10.699699 | 0.0023846 | -1.2559684 |
| 154.5 | 0.0000000 | 0.1351351 | 0.5405405 | 0.6486486 | 0.3513514 | 0.9189189 | 0.7837838 | 109.28407 | 2.302911 | 45.2159260 | 0.0461105 | 9.939242 | 0.1126012 | 4.3168344 |
| 105.6 | 0.0526316 | 0.3947368 | 0.9473684 | 0.5789474 | 0.2631579 | 100.0000000 | 0.8157895 | 105.60291 | 10.721780 | -0.0029101 | 0.9994931 | 10.767305 | 0.0357963 | -0.0120518 |
| 123.8 | 0.0000000 | 0.2777778 | 0.3611111 | 0.4166667 | 0.4722222 | 0.0000000 | 0.8055556 | 109.02956 | 2.217444 | 14.7704404 | 0.0427515 | 10.682309 | 0.0110623 | 1.4076805 |
| 102.1 | 0.0000000 | 0.1500000 | 0.8500000 | 0.4250000 | 0.3500000 | 0.0750000 | 0.8000000 | 111.46685 | 1.654949 | -9.3668515 | 0.0238131 | 10.733870 | 0.0023828 | -0.8839956 |
| 105.4 | 0.0000000 | 0.1071429 | 0.9285714 | 0.6666667 | 0.3392857 | 0.6785714 | 0.9107143 | 109.38528 | 2.498413 | -3.9852807 | 0.0542718 | 10.761071 | 0.0010474 | -0.3821191 |
| 106.8 | 0.0000000 | 0.0344828 | 0.9137931 | 0.4655172 | 0.2068966 | 0.4137931 | 0.8965517 | 113.99757 | 1.187979 | -7.1975695 | 0.0122705 | 10.747810 | 0.0007081 | -0.6752893 |
| 107.1 | 0.0000000 | 0.3818182 | 0.8000000 | 0.4909091 | 0.2727273 | 0.8727273 | 0.8909091 | 112.34788 | 1.139918 | -5.2478801 | 0.0112978 | 10.756959 | 0.0003459 | -0.4921235 |
| 98.0 | 0.0000000 | 0.1636364 | 0.8909091 | 0.4909091 | 0.1818182 | 0.6545455 | 0.8909091 | 114.24293 | 1.192258 | -16.2429296 | 0.0123591 | 10.667611 | 0.0036331 | -1.5240100 |
| 122.9 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4545455 | 0.0606061 | 0.2121212 | 0.8181818 | 119.34750 | 1.825297 | 3.5524955 | 0.0289677 | 10.762482 | 0.0004214 | 0.3361551 |
| 115.7 | 0.0263158 | 0.8684211 | 0.1315789 | 0.7368421 | 0.4736842 | 0.8157895 | 0.9210526 | 106.13169 | 3.278783 | 9.5683126 | 0.0934698 | 10.729728 | 0.0113171 | 0.9370596 |
| 110.2 | 0.0000000 | 0.2702703 | 0.7837838 | 0.4594595 | 0.1891892 | 0.5945946 | 0.8648649 | 114.37871 | 1.230447 | -4.1787134 | 0.0131635 | 10.760736 | 0.0002565 | -0.3922320 |
| 105.9 | 0.1025641 | 0.0256410 | 0.9487179 | 0.5897436 | 0.2820513 | 0.6923077 | 0.9487179 | 112.25997 | 2.378287 | -6.3599737 | 0.0491784 | 10.751496 | 0.0023914 | -0.6081753 |
| 134.7 | 0.0000000 | 0.2105263 | 0.9473684 | 0.4210526 | 0.5263158 | 0.6315789 | 0.8421053 | 107.86009 | 2.452781 | 26.8399065 | 0.0523074 | 10.481119 | 0.0455981 | 2.5708116 |
| 127.8 | 0.0000000 | 0.0263158 | 0.8947368 | 0.4473684 | 0.2105263 | 0.2894737 | 0.8947368 | 114.10208 | 1.267379 | 13.6979213 | 0.0139656 | 10.696386 | 0.0029291 | 1.2862685 |
| 95.3 | 0.0540541 | 0.7837838 | 0.5675676 | 0.5405405 | 0.7297297 | 0.1621622 | 0.9729730 | 103.06454 | 2.997468 | -7.7645358 | 0.0781187 | 10.742990 | 0.0060227 | -0.7540515 |
| 135.7 | 0.0000000 | 0.1500000 | 0.9000000 | 0.5500000 | 0.1500000 | 0.4250000 | 0.9250000 | 114.35541 | 1.549000 | 21.3445949 | 0.0208617 | 10.593045 | 0.0107744 | 2.0113557 |
| 100.7 | 0.0000000 | 0.6923077 | 0.6666667 | 0.4871795 | 0.4102564 | 0.0256410 | 0.8205128 | 109.59891 | 1.545909 | -8.8989079 | 0.0207785 | 10.737226 | 0.0018650 | -0.8385312 |
| 117.7 | 0.0000000 | 0.8461538 | 0.6923077 | 0.4615385 | 0.3076923 | 0.2307692 | 0.9230769 | 111.90224 | 1.288405 | 5.7977612 | 0.0144328 | 10.754634 | 0.0005428 | 0.5445530 |
| 113.1 | 0.0000000 | 0.5365854 | 0.6585366 | 0.3902439 | 0.3170732 | 0.3658537 | 0.9512195 | 112.39793 | 1.877980 | 0.7020704 | 0.0306639 | 10.767123 | 0.0000175 | 0.0664916 |
| 111.4 | 0.0769231 | 0.3333333 | 0.7179487 | 0.5384615 | 0.3589744 | 0.7435897 | 0.9487179 | 110.88507 | 1.740875 | 0.5149322 | 0.0263500 | 10.767210 | 0.0000080 | 0.0486599 |
| 104.9 | 0.0000000 | 0.4102564 | 0.7179487 | 0.4102564 | 0.1282051 | 0.2051282 | 0.9743590 | 116.09213 | 1.620478 | -11.1921307 | 0.0228314 | 10.719584 | 0.0032552 | -1.0557255 |
| 114.9 | 0.0000000 | 0.1538462 | 0.7948718 | 0.4615385 | 0.1538462 | 0.0512821 | 0.9487179 | 115.12646 | 1.291451 | -0.2264572 | 0.0145011 | 10.767292 | 0.0000008 | -0.0212707 |
| 103.6 | 0.0000000 | 0.9250000 | 0.8250000 | 0.4500000 | 0.6250000 | 0.1750000 | 0.9500000 | 105.52709 | 2.805902 | -1.9270893 | 0.0684528 | 10.765830 | 0.0003184 | -0.1861754 |
| 113.8 | 0.0000000 | 0.2307692 | 0.8974359 | 0.5128205 | 0.2307692 | 0.1538462 | 0.8205128 | 113.06721 | 1.170838 | 0.7327864 | 0.0119190 | 10.767110 | 0.0000071 | 0.0687391 |
| 112.6 | 0.0000000 | 0.1750000 | 0.7750000 | 0.5000000 | 0.1750000 | 0.2500000 | 0.9000000 | 114.32008 | 1.225747 | -1.7200779 | 0.0130631 | 10.766198 | 0.0000431 | -0.1614457 |
| 116.4 | 0.0000000 | 0.1025641 | 0.7948718 | 0.3589744 | 0.1794872 | 0.2564103 | 0.9487179 | 115.55428 | 2.042551 | 0.8457215 | 0.0362737 | 10.767036 | 0.0000304 | 0.0803292 |
| 111.0 | 0.0000000 | 0.0270270 | 100.0000000 | 0.5945946 | 0.0270270 | 0.0270270 | 0.7837838 | 118.73307 | 2.609476 | -7.7330691 | 0.0592042 | 10.743672 | 0.0043473 | -0.7434079 |
| 103.5 | 0.0263158 | 0.4736842 | 0.9210526 | 0.4473684 | 0.2631579 | 0.8157895 | 0.8157895 | 113.20213 | 1.318798 | -9.7021268 | 0.0151218 | 10.731747 | 0.0015949 | -0.9115881 |
| 104.7 | 0.0256410 | 0.2307692 | 0.9743590 | 0.5384615 | 0.1538462 | 0.4102564 | 0.9230769 | 114.62441 | 1.493184 | -9.9244116 | 0.0193853 | 10.729933 | 0.0021579 | -0.9344984 |
| 124.1 | 0.0000000 | 0.0188679 | 100.0000000 | 0.3773585 | 0.0754717 | 0.1320755 | 0.9811321 | 119.76464 | 2.114003 | 4.3353576 | 0.0388559 | 10.760044 | 0.0008592 | 0.4123383 |
| 112.8 | 0.0000000 | 0.0526316 | 0.9473684 | 0.3157895 | 0.0789474 | 0.0000000 | 0.8684211 | 118.04030 | 2.575850 | -5.2403042 | 0.0576882 | 10.756480 | 0.0019390 | -0.5033640 |
| 116.9 | 0.0000000 | 0.0000000 | 0.9750000 | 0.5000000 | 0.0250000 | 0.0000000 | 0.8750000 | 117.42325 | 1.809184 | -0.5232487 | 0.0284585 | 10.767207 | 0.0000090 | -0.0494995 |
| 112.7 | 0.0000000 | 0.0769231 | 0.8846154 | 0.4230769 | 0.0961538 | 0.0192308 | 0.9423077 | 116.67691 | 1.612043 | -3.9769110 | 0.0225943 | 10.761299 | 0.0004065 | -0.3750865 |
| 103.6 | 0.0000000 | 0.8285714 | 0.0285714 | 0.6000000 | 0.4571429 | 0.4000000 | 0.9428571 | 107.52811 | 2.054298 | -3.9281112 | 0.0366921 | 10.761359 | 0.0006631 | -0.3731850 |
| 111.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3030303 | 0.0000000 | 0.0303030 | 0.7878788 | 122.01705 | 2.695085 | -10.5170454 | 0.0631526 | 10.723361 | 0.0086496 | -1.0131699 |
| 118.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4000000 | 0.0333333 | 0.0000000 | 0.9000000 | 120.42672 | 1.970516 | -2.2267194 | 0.0337603 | 10.765405 | 0.0001949 | -0.2112253 |
| 106.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4444444 | 0.0000000 | 0.0000000 | 0.9629630 | 120.68943 | 1.874566 | -13.8894300 | 0.0305526 | 10.693130 | 0.0068159 | -1.3153620 |
| 110.9 | 0.0000000 | 0.0263158 | 100.0000000 | 0.5526316 | 0.0526316 | 0.0789474 | 0.9210526 | 118.59505 | 2.218863 | -7.6950466 | 0.0428062 | 10.744306 | 0.0030067 | -0.7333889 |
| 111.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3947368 | 0.1052632 | 0.0526316 | 0.8947368 | 119.00343 | 2.037267 | -7.2034306 | 0.0360862 | 10.747295 | 0.0021903 | -0.6841373 |
| 108.0 | 0.0000000 | 0.0000000 | 0.9666667 | 0.5666667 | 0.0333333 | 0.1000000 | 0.8333333 | 116.62340 | 2.141702 | -8.6233960 | 0.0398808 | 10.738500 | 0.0034964 | -0.8206137 |
| 141.8 | 0.0400000 | 0.0000000 | 100.0000000 | 0.5000000 | 0.1000000 | 0.0000000 | 0.9000000 | 118.51068 | 2.002337 | 23.2893234 | 0.0348594 | 10.556473 | 0.0220602 | 2.2104697 |
| 120.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4761905 | 0.0000000 | 0.0000000 | 0.9047619 | 120.39413 | 1.902328 | -0.2941280 | 0.0314642 | 10.767278 | 0.0000032 | -0.0278677 |
| 106.9 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4473684 | 0.0000000 | 0.0263158 | 0.8947368 | 120.66253 | 1.873795 | -13.7625287 | 0.0305274 | 10.694486 | 0.0066861 | -1.3033272 |
| 121.5 | 0.0000000 | 0.0000000 | 0.9855072 | 0.4347826 | 0.0144928 | 0.0434783 | 0.8405797 | 118.24689 | 1.862082 | 3.2531122 | 0.0301470 | 10.763257 | 0.0003686 | 0.3080130 |
| 129.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4615385 | 0.0512821 | 0.0000000 | 0.8974359 | 119.48407 | 1.828305 | 10.0159331 | 0.0290632 | 10.728859 | 0.0033612 | 0.9478048 |
| 109.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5483871 | 0.0000000 | 0.0000000 | 100.0000000 | 116.47767 | 6.405965 | -6.6776704 | 0.3567920 | 10.741526 | 0.0417944 | -0.7763763 |
| 117.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4117647 | 0.0000000 | 0.0000000 | 0.9411765 | 120.99609 | 1.941767 | -3.3960891 | 0.0327823 | 10.762881 | 0.0004392 | -0.3219882 |
| 115.6 | 0.0000000 | 0.1304348 | 0.8695652 | 0.4347826 | 0.1304348 | 0.1086957 | 0.9565217 | 115.85505 | 1.456151 | -0.2550462 | 0.0184357 | 10.767287 | 0.0000014 | -0.0240039 |
| 117.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5641026 | 0.1025641 | 0.1282051 | 0.8461538 | 117.46950 | 2.272960 | -0.2695037 | 0.0449190 | 10.767283 | 0.0000039 | -0.0257139 |
| 104.3 | 0.0000000 | 0.1315789 | 0.9736842 | 0.4736842 | 0.2105263 | 0.4210526 | 0.8157895 | 113.84090 | 1.162382 | -9.5408966 | 0.0117474 | 10.733038 | 0.0011900 | -0.8949076 |
| 105.3 | 0.0000000 | 0.0500000 | 0.9500000 | 0.5250000 | 0.0750000 | 0.5750000 | 0.8250000 | 116.12563 | 1.672991 | -10.8256304 | 0.0243351 | 10.722596 | 0.0032561 | -1.0219410 |
| 117.6 | 0.0000000 | 0.0243902 | 0.8536585 | 0.5121951 | 0.1951220 | 0.2682927 | 0.8048780 | 113.81343 | 1.216612 | 3.7865664 | 0.0128692 | 10.761914 | 0.0002058 | 0.3553704 |
| 93.5 | 0.0000000 | 0.4594595 | 0.4324324 | 0.4054054 | 0.4594595 | 0.4324324 | 0.9729730 | 109.34499 | 2.250382 | -15.8449884 | 0.0440310 | 10.669301 | 0.0131465 | -1.5110993 |
| 98.7 | 0.0000000 | 0.0512821 | 0.8717949 | 0.5128205 | 0.2307692 | 0.5384615 | 0.8205128 | 113.05865 | 1.166526 | -14.3586508 | 0.0118314 | 10.689522 | 0.0027149 | -1.3468558 |
| 112.2 | 0.2549020 | 0.3421053 | 0.7894737 | 0.6052632 | 0.7368421 | 0.1052632 | 0.9473684 | 104.28401 | 5.273386 | 7.9159882 | 0.2417827 | 10.736565 | 0.0286420 | 0.8476787 |
| 102.6 | 0.0000000 | 0.1538462 | 0.8974359 | 0.5128205 | 0.2051282 | 0.0769231 | 0.9487179 | 113.59949 | 1.201610 | -10.9994890 | 0.0125537 | 10.721697 | 0.0016930 | -1.0321404 |
| 122.7 | 0.0000000 | 0.0000000 | 0.8333333 | 0.4166667 | 0.0000000 | 0.0000000 | 100.0000000 | 115.46932 | 6.422128 | 7.2306752 | 0.3585947 | 10.736987 | 0.0495282 | 0.8418517 |
| 138.9 | 0.0000000 | 0.0000000 | 0.9729730 | 0.4054054 | 0.1621622 | 0.0000000 | 0.7837838 | 115.51014 | 1.603972 | 23.3898575 | 0.0223686 | 10.557375 | 0.0139155 | 2.2057841 |
| 100.0 | 0.0000000 | 0.2666667 | 0.8000000 | 0.4666667 | 0.2666667 | 0.1333333 | 0.9333333 | 112.75801 | 1.193918 | -12.7580095 | 0.0123935 | 10.705911 | 0.0022478 | -1.1970546 |
| 104.2 | 0.0256410 | 0.0512821 | 0.8974359 | 0.4871795 | 0.4102564 | 0.7692308 | 0.9230769 | 109.85914 | 1.474662 | -5.6591419 | 0.0189074 | 10.755178 | 0.0006837 | -0.5327440 |
| 103.7 | 0.0500000 | 0.2500000 | 0.7000000 | 0.5000000 | 0.4250000 | 0.4250000 | 0.9750000 | 109.66774 | 1.593094 | -5.9677424 | 0.0220663 | 10.753774 | 0.0008931 | -0.5627018 |
| 101.1 | 0.0000000 | 0.2500000 | 0.6500000 | 0.5000000 | 0.3250000 | 0.4500000 | 0.8500000 | 111.23427 | 1.231199 | -10.1342656 | 0.0131796 | 10.728578 | 0.0015107 | -0.9512534 |
| 115.1 | 0.0000000 | 0.1351351 | 0.8918919 | 0.5675676 | 0.2972973 | 0.4324324 | 0.9459459 | 111.18239 | 1.486975 | 3.9176117 | 0.0192244 | 10.761497 | 0.0003334 | 0.3688583 |
| 97.8 | 0.0000000 | 0.2500000 | 0.8888889 | 0.6666667 | 0.4166667 | 0.6111111 | 0.9444444 | 107.79313 | 2.564578 | -9.9931275 | 0.0571844 | 10.727891 | 0.0069821 | -0.9596460 |
| 110.0 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5454545 | 0.0000000 | 0.0000000 | 0.9090909 | 119.74554 | 2.246118 | -9.7455385 | 0.0438643 | 10.730346 | 0.0049527 | -0.9293281 |
| 119.4 | 0.0000000 | 0.0000000 | 0.9607843 | 0.5294118 | 0.0000000 | 0.0196078 | 0.9019608 | 117.65603 | 2.057316 | 1.7439736 | 0.0368000 | 10.766138 | 0.0001311 | 0.1656932 |
| 122.6 | 0.0000000 | 0.0000000 | 0.9285714 | 0.3928571 | 0.0000000 | 0.0000000 | 0.8214286 | 118.93766 | 2.113630 | 3.6623382 | 0.0388422 | 10.762126 | 0.0006129 | 0.3483246 |
| 96.9 | 0.0975610 | 0.3414634 | 0.2439024 | 0.5609756 | 0.7317073 | 0.2195122 | 0.7804878 | 103.28698 | 3.168752 | -6.3869799 | 0.0873017 | 10.750694 | 0.0046464 | -0.6233829 |
| 128.1 | 0.0000000 | 0.0000000 | 0.9333333 | 0.5833333 | 0.0166667 | 0.0333333 | 0.9333333 | 116.80822 | 2.352702 | 11.2917775 | 0.0481260 | 10.717434 | 0.0073604 | 1.0791842 |
| 120.5 | 0.0000000 | 0.0750000 | 0.9000000 | 0.4250000 | 0.2250000 | 0.1000000 | 0.9500000 | 114.02202 | 1.418546 | 6.4779777 | 0.0174958 | 10.751433 | 0.0008266 | 0.6093899 |
| 109.5 | 0.0000000 | 0.5263158 | 0.5789474 | 0.5526316 | 0.4736842 | 0.3684211 | 0.9736842 | 107.67708 | 1.863841 | 1.8229220 | 0.0302039 | 10.766039 | 0.0001160 | 0.1726040 |
| 111.5 | 0.0000000 | 0.6000000 | 0.3500000 | 0.5500000 | 0.4750000 | 0.1000000 | 0.9000000 | 107.68274 | 1.862135 | 3.8172644 | 0.0301487 | 10.761729 | 0.0005076 | 0.3614287 |
| 130.4 | 0.0000000 | 0.0263158 | 0.9736842 | 0.5000000 | 0.0526316 | 0.0000000 | 0.8421053 | 116.85730 | 1.677716 | 13.5426973 | 0.0244728 | 10.697240 | 0.0051259 | 1.2785228 |
| 128.1 | 0.0256410 | 0.0000000 | 100.0000000 | 0.5641026 | 0.0512821 | 0.0000000 | 0.8205128 | 118.77117 | 2.322284 | 9.3288322 | 0.0468896 | 10.733337 | 0.0048820 | 0.8910020 |
| 132.6 | 0.0000000 | 0.0303030 | 100.0000000 | 0.3636364 | 0.0000000 | 0.0303030 | 0.7272727 | 121.44864 | 2.195201 | 11.1513555 | 0.0418981 | 10.718986 | 0.0061685 | 1.0622942 |
| 132.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3750000 | 0.0000000 | 0.0000000 | 0.8750000 | 121.34244 | 2.120783 | 10.8575569 | 0.0391055 | 10.721638 | 0.0054263 | 1.0328024 |
| 94.8 | 0.0000000 | 0.9750000 | 0.0000000 | 0.5500000 | 0.5250000 | 0.3750000 | 0.9750000 | 106.59570 | 2.086691 | -11.7957005 | 0.0378584 | 10.713454 | 0.0061843 | -1.1213140 |
| 96.1 | 0.0000000 | 100.0000000 | 0.0000000 | 0.5405405 | 0.6216216 | 0.6756757 | 0.9459459 | 94.91804 | 9.551245 | 1.1819615 | 0.7931694 | 10.764802 | 0.0281513 | 0.2423365 |
| 106.7 | 0.0000000 | 0.2931034 | 0.6896552 | 0.5344828 | 0.1896552 | 0.3275862 | 0.9655172 | 113.67700 | 1.338584 | -6.9769971 | 0.0155789 | 10.748926 | 0.0008505 | -0.6556938 |
| 116.1 | 0.0000000 | 0.0000000 | 0.9148936 | 0.5744681 | 0.1914894 | 0.4255319 | 0.8510638 | 113.29641 | 1.644613 | 2.8035905 | 0.0235165 | 10.764321 | 0.0002107 | 0.2645484 |
| 109.6 | 0.0000000 | 0.1666667 | 0.8333333 | 0.6666667 | 0.3611111 | 0.7500000 | 0.7222222 | 108.93285 | 2.508252 | 0.6671546 | 0.0547001 | 10.767137 | 0.0000296 | 0.0639830 |
| 110.9 | 0.0000000 | 0.0000000 | 0.7068966 | 0.5517241 | 0.2586207 | 0.5172414 | 0.8965517 | 112.12582 | 1.362700 | -1.2258159 | 0.0161453 | 10.766744 | 0.0000272 | -0.1152346 |
| 111.5 | 0.0000000 | 0.0869565 | 0.7391304 | 0.5652174 | 0.2826087 | 0.2608696 | 0.8913043 | 111.51897 | 1.466967 | -0.0189677 | 0.0187105 | 10.767311 | 0.0000000 | -0.0017854 |
| 101.2 | 0.0000000 | 0.0000000 | 0.9743590 | 0.5384615 | 0.3333333 | 0.2564103 | 0.9743590 | 110.74485 | 1.343601 | -9.5448496 | 0.0156959 | 10.732872 | 0.0016041 | -0.8970723 |
| 115.1 | 0.0175439 | 0.0000000 | 0.9824561 | 0.3859649 | 0.0350877 | 0.0350877 | 0.8947368 | 118.44946 | 2.117609 | -3.3494573 | 0.0389886 | 10.762974 | 0.0005147 | -0.3185907 |
| 105.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4531250 | 0.0312500 | 0.0156250 | 0.9062500 | 119.97067 | 1.838730 | -14.3706701 | 0.0293956 | 10.687976 | 0.0070034 | -1.3601251 |
| 111.7 | 0.0169492 | 0.1355932 | 0.7796610 | 0.4915254 | 0.2711864 | 0.2372881 | 0.8474576 | 112.60311 | 1.113989 | -0.9031109 | 0.0107897 | 10.767005 | 0.0000098 | -0.0846681 |
| 106.4 | 0.0000000 | 0.2131148 | 0.9672131 | 0.5081967 | 0.4426230 | 0.1147541 | 0.8852459 | 108.78705 | 1.661388 | -2.3870532 | 0.0239987 | 10.765142 | 0.0001560 | -0.2252993 |
| 119.6 | 0.0000000 | 0.0800000 | 0.9800000 | 0.4800000 | 0.1800000 | 0.0000000 | 0.8400000 | 114.43786 | 1.200364 | 5.1621355 | 0.0125277 | 10.757282 | 0.0003721 | 0.4843842 |
| 103.4 | 0.0000000 | 0.0526316 | 0.8684211 | 0.5526316 | 0.0526316 | 0.2105263 | 0.9473684 | 116.34208 | 1.947768 | -12.9420824 | 0.0329853 | 10.702771 | 0.0064212 | -1.2271866 |
| 104.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4000000 | 0.0750000 | 0.0500000 | 0.9500000 | 119.57067 | 1.979860 | -15.0706723 | 0.0340812 | 10.679601 | 0.0090168 | -1.4298330 |
| 114.4 | 0.0000000 | 0.0285714 | 0.9142857 | 0.4571429 | 0.0857143 | 0.1142857 | 0.9428571 | 116.57030 | 1.512221 | -2.1702961 | 0.0198827 | 10.765526 | 0.0001060 | -0.2044104 |
| 112.2 | 0.0540541 | 0.1081081 | 0.1351351 | 0.5675676 | 0.5405405 | 0.2432432 | 0.8378378 | 106.73175 | 2.096606 | 5.4682519 | 0.0382190 | 10.755755 | 0.0013427 | 0.5199163 |
| 119.5 | 0.0000000 | 0.0175439 | 100.0000000 | 0.4561404 | 0.0000000 | 0.0000000 | 0.9473684 | 120.57871 | 1.874132 | -1.0787118 | 0.0305384 | 10.766866 | 0.0000411 | -0.1021558 |
| 113.3 | 0.0416667 | 0.2708333 | 0.3125000 | 0.5625000 | 0.6666667 | 0.3541667 | 0.8750000 | 104.06404 | 2.669937 | 9.2359621 | 0.0619795 | 10.733475 | 0.0065305 | 0.8891990 |
| 130.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3859649 | 0.0350877 | 0.0175439 | 0.8947368 | 120.52128 | 2.044246 | 9.6787192 | 0.0363339 | 10.731138 | 0.0039834 | 0.9193430 |
| 110.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4871795 | 0.1025641 | 0.1025641 | 0.8461538 | 118.19137 | 1.865045 | -8.0913682 | 0.0302430 | 10.742202 | 0.0022882 | -0.7661494 |
| 125.7 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4102564 | 0.2564103 | 0.3589744 | 0.8205128 | 115.75281 | 2.332435 | 9.9471912 | 0.0473004 | 10.728659 | 0.0056042 | 0.9502666 |
| 122.4 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5333333 | 0.0333333 | 0.1333333 | 0.9333333 | 119.16846 | 2.107386 | 3.2315416 | 0.0386131 | 10.763276 | 0.0004741 | 0.3073149 |
| 123.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4324324 | 0.0000000 | 0.0540541 | 0.7837838 | 120.80413 | 1.889647 | 2.7958661 | 0.0310461 | 10.764314 | 0.0002809 | 0.2648426 |
| 119.9 | 0.0000000 | 0.0697674 | 0.9302326 | 0.4186047 | 0.1860465 | 0.0000000 | 0.9534884 | 114.88532 | 1.476237 | 5.0146848 | 0.0189478 | 10.757785 | 0.0005380 | 0.4720854 |
| 117.0 | 0.0000000 | 0.0750000 | 100.0000000 | 0.4250000 | 0.1000000 | 0.0250000 | 0.9500000 | 118.82025 | 1.894110 | -1.8202484 | 0.0311929 | 10.766041 | 0.0001197 | -0.1724388 |
| 117.0 | 0.0161290 | 0.1774194 | 0.7903226 | 0.4354839 | 0.1935484 | 0.1129032 | 0.8387097 | 114.71046 | 1.379560 | 2.2895372 | 0.0165473 | 10.765331 | 0.0000975 | 0.2152752 |
| 118.2 | 0.0000000 | 0.0000000 | 0.9000000 | 0.4750000 | 0.0000000 | 0.0000000 | 0.8250000 | 118.16788 | 1.888072 | 0.0321195 | 0.0309944 | 10.767311 | 0.0000000 | 0.0030425 |
| 99.8 | 0.0000000 | 0.1621622 | 0.6756757 | 0.3783784 | 0.3243243 | 0.1891892 | 0.7837838 | 112.41553 | 2.017493 | -12.6155255 | 0.0353891 | 10.705843 | 0.0065786 | -1.1977116 |
| 132.6 | 0.0000000 | 0.0555556 | 100.0000000 | 0.5277778 | 0.2777778 | 0.6666667 | 0.8888889 | 114.18785 | 2.313585 | 18.4121468 | 0.0465390 | 10.634405 | 0.0188615 | 1.7582310 |
| 113.5 | 0.0000000 | 0.1282051 | 100.0000000 | 0.4615385 | 0.4615385 | 0.5128205 | 0.8205128 | 111.05989 | 3.065199 | 2.4401143 | 0.0816890 | 10.764902 | 0.0006268 | 0.2374315 |
| 103.4 | 0.0000000 | 0.6052632 | 0.7105263 | 0.4736842 | 0.5526316 | 0.4210526 | 0.8684211 | 106.79873 | 2.299038 | -3.3987325 | 0.0459556 | 10.762813 | 0.0006339 | -0.3244559 |
| 132.3 | 0.0000000 | 0.0476190 | 0.9523810 | 0.4285714 | 0.1269841 | 0.0952381 | 0.8730159 | 115.99735 | 1.498316 | 16.3026473 | 0.0195188 | 10.666136 | 0.0058647 | 1.5351877 |
| 129.8 | 0.0000000 | 0.0000000 | 0.9444444 | 0.3888889 | 0.1388889 | 0.0000000 | 0.8888889 | 116.13606 | 1.774209 | 13.6639392 | 0.0273688 | 10.695763 | 0.0058704 | 1.2918878 |
| 150.3 | 0.0000000 | 0.0000000 | 0.9473684 | 0.4473684 | 0.0526316 | 0.1578947 | 0.9736842 | 117.33719 | 1.663730 | 32.9628123 | 0.0240664 | 10.345447 | 0.0298384 | 3.1112658 |
| 107.3 | 0.0000000 | 0.0263158 | 0.9736842 | 0.3684211 | 0.0000000 | 0.0000000 | 0.9473684 | 119.16074 | 2.275408 | -11.8607356 | 0.0450157 | 10.712447 | 0.0075466 | -1.1317135 |
| 124.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4358974 | 0.0769231 | 0.0000000 | 0.8461538 | 119.20206 | 1.849190 | 4.8979419 | 0.0297310 | 10.758122 | 0.0008234 | 0.4636503 |
| 127.7 | 0.0000000 | 0.0000000 | 0.9000000 | 0.4000000 | 0.0666667 | 0.0666667 | 0.6666667 | 117.50904 | 1.844361 | 10.1909627 | 0.0295759 | 10.727480 | 0.0035449 | 0.9646226 |
| 133.8 | 0.0000000 | 0.0810811 | 0.8918919 | 0.5135135 | 0.1351351 | 0.4324324 | 0.9729730 | 115.00517 | 1.381068 | 18.7948307 | 0.0165835 | 10.633032 | 0.0065832 | 1.7672283 |
| 111.5 | 0.0500000 | 0.0250000 | 100.0000000 | 0.4750000 | 0.1000000 | 0.2000000 | 0.8250000 | 118.82681 | 2.047353 | -7.3268150 | 0.0364445 | 10.746595 | 0.0022902 | -0.6959849 |
| 106.3 | 0.1724138 | 0.8275862 | 0.0000000 | 0.5862069 | 0.2758621 | 0.5862069 | 0.9655172 | 112.99228 | 3.579101 | -6.6922829 | 0.1113766 | 10.748572 | 0.0068654 | -0.6619701 |
| 105.4 | 0.0000000 | 0.2162162 | 0.7297297 | 0.5405405 | 0.2972973 | 0.4324324 | 0.9459459 | 111.42375 | 1.300274 | -6.0237465 | 0.0146999 | 10.753622 | 0.0005971 | -0.5658553 |
| 142.2 | 0.0270270 | 0.0000000 | 100.0000000 | 0.4594595 | 0.0270270 | 0.1621622 | 0.9729730 | 120.24367 | 1.925140 | 21.9563296 | 0.0322233 | 10.580640 | 0.0180259 | 2.0811106 |
| 119.6 | 0.0000000 | 0.3333333 | 0.6944444 | 0.3888889 | 0.3055556 | 0.4166667 | 0.9166667 | 112.66448 | 1.864596 | 6.9355224 | 0.0302284 | 10.748869 | 0.0016803 | 0.6567006 |
| 106.5 | 0.0256410 | 0.1538462 | 0.4102564 | 0.4615385 | 0.4615385 | 0.5128205 | 0.8461538 | 109.05023 | 1.810064 | -2.5502328 | 0.0284862 | 10.764824 | 0.0002133 | -0.2412561 |
| 119.6 | 0.0000000 | 0.0000000 | 0.9487179 | 0.5128205 | 0.2564103 | 0.3076923 | 0.9743590 | 112.55210 | 1.157418 | 7.0478973 | 0.0116473 | 10.748625 | 0.0006437 | 0.6610383 |
| 117.5 | 0.0000000 | 0.0000000 | 0.9117647 | 0.4705882 | 0.0588235 | 0.0294118 | 0.8461538 | 117.00528 | 1.608949 | 0.4947202 | 0.0225077 | 10.767219 | 0.0000063 | 0.0466580 |
| 111.1 | 0.0000000 | 0.0263158 | 0.9210526 | 0.6052632 | 0.0526316 | 0.3947368 | 0.9736842 | 115.83997 | 2.390630 | -4.7399657 | 0.0496902 | 10.758525 | 0.0013435 | -0.4533834 |
| 115.8 | 0.0000000 | 0.0000000 | 0.9714286 | 0.5428571 | 0.0857143 | 0.1428571 | 0.9142857 | 115.77098 | 1.736309 | 0.0290214 | 0.0262120 | 10.767311 | 0.0000000 | 0.0027423 |
| 106.8 | 0.0000000 | 0.0000000 | 0.9090909 | 0.4848485 | 0.1515152 | 0.2727273 | 0.8484848 | 114.96209 | 1.266124 | -8.1620897 | 0.0139379 | 10.742183 | 0.0010379 | -0.7664295 |
| 98.4 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4705882 | 0.1470588 | 0.1176471 | 0.8823529 | 117.43567 | 1.885595 | -19.0356671 | 0.0309131 | 10.627496 | 0.0129631 | -1.8030581 |
| 97.8 | 0.5526316 | 100.0000000 | 0.0000000 | 0.5789474 | 0.6842105 | 0.6578947 | 0.9210526 | 98.55786 | 9.554115 | -0.7578629 | 0.7936461 | 10.766277 | 0.0116343 | -0.1555633 |

## Warning in sqrt(crit \* p \* (1 - hh)/hh): NaNs produced  
  
## Warning in sqrt(crit \* p \* (1 - hh)/hh): NaNs produced



Full model:

##   
## Call:  
## lm(formula = fbg ~ fuel\_used\_for\_cooking\_percent\_wood\_dung +   
## percent\_public\_source + percent\_private\_toilet + percent\_employed +   
## percent\_without\_hs\_education + percent\_caste + median\_age +   
## percent\_female + percent\_marital\_status, data = total)  
##   
## Residuals:  
## Min 1Q Median 3Q Max   
## -20.422 -6.497 -1.782 3.994 38.488   
##   
## Coefficients:  
## Estimate Std. Error t value  
## (Intercept) 60.73319 14.53770 4.178  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 1.30336 19.85855 0.066  
## percent\_public\_source -0.10252 0.08769 -1.169  
## percent\_private\_toilet -0.01014 0.02357 -0.430  
## percent\_employed 17.21384 13.43869 1.281  
## percent\_without\_hs\_education -5.77267 6.69634 -0.862  
## percent\_caste -0.04848 0.10132 -0.479  
## median\_age 1.05998 0.22620 4.686  
## percent\_female -0.52226 1.68840 -0.309  
## percent\_marital\_status -0.08578 0.06138 -1.397  
## Pr(>|t|)   
## (Intercept) 5.51e-05 \*\*\*  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 0.948   
## percent\_public\_source 0.245   
## percent\_private\_toilet 0.668   
## percent\_employed 0.203   
## percent\_without\_hs\_education 0.390   
## percent\_caste 0.633   
## median\_age 7.21e-06 \*\*\*  
## percent\_female 0.758   
## percent\_marital\_status 0.165   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## Residual standard error: 9.964 on 124 degrees of freedom  
## Multiple R-squared: 0.3052, Adjusted R-squared: 0.2548   
## F-statistic: 6.052 on 9 and 124 DF, p-value: 5.123e-07

## Estimate Std. Error  
## (Intercept) 60.73318885 14.53770472  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 1.30336257 19.85855155  
## percent\_public\_source -0.10251844 0.08769163  
## percent\_private\_toilet -0.01014074 0.02357330  
## percent\_employed 17.21383503 13.43869096  
## percent\_without\_hs\_education -5.77267344 6.69634072  
## percent\_caste -0.04848333 0.10132171  
## median\_age 1.05998374 0.22620110  
## percent\_female -0.52225928 1.68839899  
## percent\_marital\_status -0.08578202 0.06138359  
## t value Pr(>|t|)  
## (Intercept) 4.17763258 5.510873e-05  
## fuel\_used\_for\_cooking\_percent\_wood\_dung 0.06563231 9.477763e-01  
## percent\_public\_source -1.16907905 2.446143e-01  
## percent\_private\_toilet -0.43017894 6.678122e-01  
## percent\_employed 1.28091606 2.026137e-01  
## percent\_without\_hs\_education -0.86206388 3.903164e-01  
## percent\_caste -0.47850885 6.331307e-01  
## median\_age 4.68602370 7.208566e-06  
## percent\_female -0.30932220 7.575956e-01  
## percent\_marital\_status -1.39747472 1.647662e-01

## (Intercept)   
## 60.73318885   
## fuel\_used\_for\_cooking\_percent\_wood\_dung   
## 1.30336257   
## percent\_public\_source   
## -0.10251844   
## percent\_private\_toilet   
## -0.01014074   
## percent\_employed   
## 17.21383503   
## percent\_without\_hs\_education   
## -5.77267344   
## percent\_caste   
## -0.04848333   
## median\_age   
## 1.05998374   
## percent\_female   
## -0.52225928   
## percent\_marital\_status   
## -0.08578202

## 1 2 3 4 5 6 7   
## 114.06678 115.57422 114.21207 112.23736 121.18293 108.12383 116.01235   
## 8 9 10 11 12 13 14   
## 105.88505 115.34178 106.36708 112.17025 107.70258 109.94195 106.25038   
## 15 16 17 18 19 20 21   
## 121.03874 110.48301 114.29795 108.92865 112.38307 110.43857 106.45429   
## 22 23 24 25 26 27 28   
## 113.40808 109.19063 114.47057 109.54737 110.97657 113.80738 115.21768   
## 29 30 31 32 33 34 35   
## 107.57748 112.59416 107.37749 113.06674 114.22363 114.42778 114.46944   
## 36 37 38 39 40 41 42   
## 115.49343 120.22752 117.40932 116.09951 109.85443 126.85755 120.52554   
## 43 44 45 46 47 48 49   
## 118.08447 118.40984 121.22764 118.44355 122.57948 120.32727 122.01385   
## 50 51 52 53 54 55 56   
## 121.86478 129.17694 114.88061 127.80889 119.54515 118.91516 105.78771   
## 57 58 59 60 61 62 63   
## 107.27787 109.64115 98.84106 107.60849 108.16074 112.85151 118.41822   
## 64 65 66 67 68 69 70   
## 114.97273 107.72768 110.01550 108.28310 108.56672 110.26113 109.94305   
## 71 72 73 74 75 76 77   
## 120.31906 121.43708 118.74192 104.60401 116.04038 117.62860 110.11143   
## 78 79 80 81 82 83 84   
## 111.37681 127.23714 125.62820 123.88782 117.07195 105.17462 95.77652   
## 85 86 87 88 89 90 91   
## 109.26380 111.28940 111.87516 113.53865 109.09485 111.19794 117.71855   
## 92 93 94 95 96 97 98   
## 114.21384 109.18676 112.14453 117.28343 112.03968 116.24783 119.32084   
## 99 100 101 102 103 104 105   
## 111.09238 123.68682 103.55908 120.08739 121.11363 118.06051 125.22916   
## 106 107 108 109 110 111 112   
## 117.84710 107.60455 118.84793 111.77466 124.54342 110.04097 113.49263   
## 113 114 115 116 117 118 119   
## 102.99557 107.40114 114.31122 119.20767 120.17842 127.72165 122.69408   
## 120 121 122 123 124 125 126   
## 126.30144 110.74446 111.12721 107.95679 106.12225 119.25870 115.50829   
## 127 128 129 130 131 132 133   
## 109.15564 115.19371 121.32534 114.74978 118.51131 113.34765 109.98720   
## 134   
## 97.72000

## # A tibble: 1 x 11  
## r.squared adj.r.squared sigma statistic p.value df logLik AIC BIC  
## <dbl> <dbl> <dbl> <dbl> <dbl> <int> <dbl> <dbl> <dbl>  
## 1 0.305 0.255 9.96 6.05 5.12e-7 10 -493. 1008. 1040.  
## # … with 2 more variables: deviance <dbl>, df.residual <int>

|  |  |  |
| --- | --- | --- |
| term | estimate | p.value |
| (Intercept) | 60.733 | 0.000 |
| fuel\_used\_for\_cooking\_percent\_wood\_dung | 1.303 | 0.948 |
| percent\_public\_source | -0.103 | 0.245 |
| percent\_private\_toilet | -0.010 | 0.668 |
| percent\_employed | 17.214 | 0.203 |
| percent\_without\_hs\_education | -5.773 | 0.390 |
| percent\_caste | -0.048 | 0.633 |
| median\_age | 1.060 | 0.000 |
| percent\_female | -0.522 | 0.758 |
| percent\_marital\_status | -0.086 | 0.165 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| fbg | fuel\_used\_for\_cooking\_percent\_wood\_dung | percent\_public\_source | percent\_private\_toilet | percent\_employed | percent\_without\_hs\_education | percent\_caste | median\_age | percent\_female | percent\_marital\_status | .fitted | .se.fit | .resid | .hat | .sigma | .cooksd | .std.resid |
| 123.4 | 0.0000000 | 0.0270270 | 100.0000000 | 0.5405405 | 0.0270270 | 0.5675676 | 43.08108 | 0.7017544 | 0.8108108 | 114.06678 | 2.289907 | 9.3332210 | 0.0528132 | 9.967280 | 0.0051647 | 0.9624257 |
| 109.8 | 0.0000000 | 0.0789474 | 0.7368421 | 0.5789474 | 0.0263158 | 0.2368421 | 42.89474 | 0.6666667 | 0.7631579 | 115.57422 | 2.151443 | -5.7742178 | 0.0466194 | 9.990497 | 0.0017224 | -0.5934901 |
| 111.4 | 0.0277778 | 0.0555556 | 0.4722222 | 0.4444444 | 0.3055556 | 0.7500000 | 45.33333 | 0.7142857 | 0.8947368 | 114.21207 | 1.364248 | -2.8120691 | 0.0187453 | 10.001442 | 0.0001551 | -0.2848975 |
| 113.1 | 0.0000000 | 0.1538462 | 0.7692308 | 0.6153846 | 0.0000000 | 0.4615385 | 47.07692 | 0.7000000 | 100.0000000 | 112.23736 | 5.894895 | 0.8626417 | 0.3499928 | 10.004252 | 0.0006209 | 0.1073804 |
| 112.8 | 0.0277778 | 0.1944444 | 0.8333333 | 0.3888889 | 0.2500000 | 0.3888889 | 52.50000 | 0.6909091 | 0.9166667 | 121.18293 | 2.283983 | -8.3829339 | 0.0525403 | 9.974535 | 0.0041426 | -0.8643093 |
| 98.6 | 0.0000000 | 0.3076923 | 0.7435897 | 0.5128205 | 0.2820513 | 0.4871795 | 38.35897 | 0.6551724 | 0.7435897 | 108.12383 | 1.370941 | -9.5238344 | 0.0189297 | 9.967081 | 0.0017967 | -0.9649732 |
| 154.5 | 0.0000000 | 0.1351351 | 0.5405405 | 0.6486486 | 0.3513514 | 0.9189189 | 44.00000 | 0.7017544 | 0.7837838 | 116.01235 | 2.576912 | 38.4876523 | 0.0668815 | 9.337456 | 0.1145994 | 3.9985867 |
| 105.6 | 0.0526316 | 0.3947368 | 0.9473684 | 0.5789474 | 0.2631579 | 100.0000000 | 39.57895 | 0.6666667 | 0.8157895 | 105.88505 | 9.961970 | -0.2850463 | 0.9995337 | 9.933666 | 376.1844081 | -1.3247541 |
| 123.8 | 0.0000000 | 0.2777778 | 0.3611111 | 0.4166667 | 0.4722222 | 0.0000000 | 47.72222 | 0.6153846 | 0.8055556 | 115.34178 | 2.461676 | 8.4582168 | 0.0610336 | 9.973711 | 0.0049881 | 0.8760064 |
| 102.1 | 0.0000000 | 0.1500000 | 0.8500000 | 0.4250000 | 0.3500000 | 0.0750000 | 38.47500 | 0.6666667 | 0.8000000 | 106.36708 | 1.883798 | -4.2670753 | 0.0357417 | 9.997041 | 0.0007049 | -0.4361010 |
| 105.4 | 0.0000000 | 0.1071429 | 0.9285714 | 0.6666667 | 0.3392857 | 0.6785714 | 40.00000 | 0.6666667 | 0.9107143 | 112.17025 | 2.398589 | -6.7702471 | 0.0579454 | 9.984928 | 0.0030143 | -0.7000353 |
| 106.8 | 0.0000000 | 0.0344828 | 0.9137931 | 0.4655172 | 0.2068966 | 0.4137931 | 38.31034 | 0.6666667 | 0.8965517 | 107.70258 | 1.743954 | -0.9025776 | 0.0306321 | 10.004375 | 0.0000267 | -0.0920012 |
| 107.1 | 0.0000000 | 0.3818182 | 0.8000000 | 0.4909091 | 0.2727273 | 0.8727273 | 40.41818 | 0.6585366 | 0.8909091 | 109.94195 | 1.181498 | -2.8419474 | 0.0140596 | 10.001388 | 0.0001177 | -0.2872395 |
| 98.0 | 0.0000000 | 0.1636364 | 0.8909091 | 0.4909091 | 0.1818182 | 0.6545455 | 36.41818 | 0.6746988 | 0.8909091 | 106.25038 | 2.039707 | -8.2503841 | 0.0419027 | 9.975808 | 0.0031295 | -0.8459075 |
| 122.9 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4545455 | 0.0606061 | 0.2121212 | 51.18182 | 0.6250000 | 0.8181818 | 121.03874 | 1.735928 | 1.8612600 | 0.0303508 | 10.003265 | 0.0001126 | 0.1896938 |
| 115.7 | 0.0263158 | 0.8684211 | 0.1315789 | 0.7368421 | 0.4736842 | 0.8157895 | 38.05263 | 0.6896552 | 0.9210526 | 110.48301 | 3.184745 | 5.2169915 | 0.1021542 | 9.992392 | 0.0034738 | 0.5525515 |
| 110.2 | 0.0000000 | 0.2702703 | 0.7837838 | 0.4594595 | 0.1891892 | 0.5945946 | 44.56757 | 0.6785714 | 0.8648649 | 114.29795 | 1.149889 | -4.0979539 | 0.0133174 | 9.997799 | 0.0002314 | -0.4140300 |
| 105.9 | 0.1025641 | 0.0256410 | 0.9487179 | 0.5897436 | 0.2820513 | 0.6923077 | 37.74359 | 0.6551724 | 0.9487179 | 108.92865 | 2.327294 | -3.0286498 | 0.0545519 | 10.000774 | 0.0005638 | -0.3125962 |
| 134.7 | 0.0000000 | 0.2105263 | 0.9473684 | 0.4210526 | 0.5263158 | 0.6315789 | 45.21053 | 0.6666667 | 0.8421053 | 112.38307 | 2.479839 | 22.3169283 | 0.0619375 | 9.786616 | 0.0353074 | 2.3124483 |
| 127.8 | 0.0000000 | 0.0263158 | 0.8947368 | 0.4473684 | 0.2105263 | 0.2894737 | 41.21053 | 0.6896552 | 0.8947368 | 110.43857 | 1.415933 | 17.3614338 | 0.0201926 | 9.878932 | 0.0063854 | 1.7602272 |
| 95.3 | 0.0540541 | 0.7837838 | 0.5675676 | 0.5405405 | 0.7297297 | 0.1621622 | 38.72973 | 0.6071429 | 0.9729730 | 106.45429 | 2.881631 | -11.1542893 | 0.0836342 | 9.949397 | 0.0124806 | -1.1693943 |
| 135.7 | 0.0000000 | 0.1500000 | 0.9000000 | 0.5500000 | 0.1500000 | 0.4250000 | 42.02500 | 0.6666667 | 0.9250000 | 113.40808 | 1.469202 | 22.2919173 | 0.0217405 | 9.796147 | 0.0113701 | 2.2619025 |
| 100.7 | 0.0000000 | 0.6923077 | 0.6666667 | 0.4871795 | 0.4102564 | 0.0256410 | 40.51282 | 0.6779661 | 0.8205128 | 109.19063 | 1.439648 | -8.4906336 | 0.0208747 | 9.974756 | 0.0015810 | -0.8611414 |
| 117.7 | 0.0000000 | 0.8461538 | 0.6923077 | 0.4615385 | 0.3076923 | 0.2307692 | 45.38462 | 0.6779661 | 0.9230769 | 114.47057 | 1.316827 | 3.2294299 | 0.0174648 | 10.000403 | 0.0001900 | 0.3269680 |
| 113.1 | 0.0000000 | 0.5365854 | 0.6585366 | 0.3902439 | 0.3170732 | 0.3658537 | 41.92683 | 0.6774194 | 0.9512195 | 109.54737 | 1.847874 | 3.5526314 | 0.0343916 | 9.999405 | 0.0004689 | 0.3628299 |
| 111.4 | 0.0769231 | 0.3333333 | 0.7179487 | 0.5384615 | 0.3589744 | 0.7435897 | 41.00000 | 0.6779661 | 0.9487179 | 110.97657 | 1.617975 | 0.4234349 | 0.0263664 | 10.004642 | 0.0000050 | 0.0430668 |
| 104.9 | 0.0000000 | 0.4102564 | 0.7179487 | 0.4102564 | 0.1282051 | 0.2051282 | 44.56410 | 0.6551724 | 0.9743590 | 113.80738 | 1.594297 | -8.9073757 | 0.0256003 | 9.971578 | 0.0021547 | -0.9055964 |
| 114.9 | 0.0000000 | 0.1538462 | 0.7948718 | 0.4615385 | 0.1538462 | 0.0512821 | 45.17949 | 0.6779661 | 0.9487179 | 115.21768 | 1.209886 | -0.3176779 | 0.0147433 | 10.004675 | 0.0000015 | -0.0321193 |
| 103.6 | 0.0000000 | 0.9250000 | 0.8250000 | 0.4500000 | 0.6250000 | 0.1750000 | 40.80000 | 0.6666667 | 0.9500000 | 107.57748 | 2.652725 | -3.9774843 | 0.0708747 | 9.997796 | 0.0013082 | -0.4141187 |
| 113.8 | 0.0000000 | 0.2307692 | 0.8974359 | 0.5128205 | 0.2307692 | 0.1538462 | 42.28205 | 0.6551724 | 0.8205128 | 112.59416 | 1.103063 | 1.2058449 | 0.0122548 | 10.004119 | 0.0000184 | 0.1217650 |
| 112.6 | 0.0000000 | 0.1750000 | 0.7750000 | 0.5000000 | 0.1750000 | 0.2500000 | 37.27500 | 0.6666667 | 0.9000000 | 107.37749 | 1.877217 | 5.2225149 | 0.0354925 | 9.993220 | 0.0010481 | 0.5336793 |
| 116.4 | 0.0000000 | 0.1025641 | 0.7948718 | 0.3589744 | 0.1794872 | 0.2564103 | 44.94872 | 0.6551724 | 0.9487179 | 113.06674 | 1.974742 | 3.3332562 | 0.0392760 | 10.000017 | 0.0004762 | 0.3412895 |
| 111.0 | 0.0000000 | 0.0270270 | 100.0000000 | 0.5945946 | 0.0270270 | 0.0270270 | 42.32432 | 0.7017544 | 0.7837838 | 114.22363 | 2.608986 | -3.2236324 | 0.0685568 | 10.000183 | 0.0008271 | -0.3352130 |
| 103.5 | 0.0263158 | 0.4736842 | 0.9210526 | 0.4473684 | 0.2631579 | 0.8157895 | 45.28947 | 0.6896552 | 0.8157895 | 114.42778 | 1.253612 | -10.9277826 | 0.0158283 | 9.955294 | 0.0019655 | -1.1054780 |
| 104.7 | 0.0256410 | 0.2307692 | 0.9743590 | 0.5384615 | 0.1538462 | 0.4102564 | 43.20513 | 0.6551724 | 0.9230769 | 114.46944 | 1.406880 | -9.7694436 | 0.0199352 | 9.965070 | 0.0019951 | -0.9903665 |
| 124.1 | 0.0000000 | 0.0188679 | 100.0000000 | 0.3773585 | 0.0754717 | 0.1320755 | 47.32075 | 0.6750000 | 0.9811321 | 115.49343 | 2.165728 | 8.6065672 | 0.0472405 | 9.973078 | 0.0038825 | 0.8848952 |
| 112.8 | 0.0000000 | 0.0526316 | 0.9473684 | 0.3157895 | 0.0789474 | 0.0000000 | 51.84211 | 0.6666667 | 0.8684211 | 120.22752 | 2.444121 | -7.4275175 | 0.0601662 | 9.980838 | 0.0037848 | -0.7689032 |
| 116.9 | 0.0000000 | 0.0000000 | 0.9750000 | 0.5000000 | 0.0250000 | 0.0000000 | 48.85000 | 6.6666667 | 0.8750000 | 117.40932 | 9.958298 | -0.5093202 | 0.9987971 | 9.916709 | 180.3407134 | -1.4737585 |
| 112.7 | 0.0000000 | 0.0769231 | 0.8846154 | 0.4230769 | 0.0961538 | 0.0192308 | 46.30769 | 0.6666667 | 0.9423077 | 116.09951 | 1.516579 | -3.3995063 | 0.0231653 | 9.999909 | 0.0002826 | -0.3451905 |
| 103.6 | 0.0000000 | 0.8285714 | 0.0285714 | 0.6000000 | 0.4571429 | 0.4000000 | 39.57143 | 0.6274510 | 0.9428571 | 109.85443 | 1.972827 | -6.2544251 | 0.0391999 | 9.988160 | 0.0016730 | -0.6403602 |
| 111.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3030303 | 0.0000000 | 0.0303030 | 58.81818 | 0.6800000 | 0.7878788 | 126.85755 | 2.708882 | -15.3575538 | 0.0739073 | 9.900698 | 0.0204705 | -1.6015788 |
| 118.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4000000 | 0.0333333 | 0.0000000 | 51.46667 | 0.6956522 | 0.9000000 | 120.52554 | 1.831293 | -2.3255419 | 0.0337771 | 10.002442 | 0.0001971 | -0.2374319 |
| 106.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4444444 | 0.0000000 | 0.0000000 | 48.25926 | 0.6829268 | 0.9629630 | 118.08447 | 1.828601 | -11.2844689 | 0.0336779 | 9.951030 | 0.0046256 | -1.1520562 |
| 110.9 | 0.0000000 | 0.0263158 | 100.0000000 | 0.5526316 | 0.0526316 | 0.0789474 | 47.07895 | 0.6428571 | 0.9210526 | 118.40984 | 2.064669 | -7.5098444 | 0.0429346 | 9.980745 | 0.0026625 | -0.7703953 |
| 111.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3947368 | 0.1052632 | 0.0526316 | 52.60526 | 0.6896552 | 0.8947368 | 121.22764 | 1.953463 | -9.4276409 | 0.0384342 | 9.967089 | 0.0037211 | -0.9648660 |
| 108.0 | 0.0000000 | 0.0000000 | 0.9666667 | 0.5666667 | 0.0333333 | 0.1000000 | 45.83333 | 0.6666667 | 0.8333333 | 118.44355 | 2.052033 | -10.4435521 | 0.0424107 | 9.958331 | 0.0050807 | -1.0710558 |
| 141.8 | 0.0400000 | 0.0000000 | 100.0000000 | 0.5000000 | 0.1000000 | 0.0000000 | 52.08000 | 0.6666667 | 0.9000000 | 122.57948 | 2.053063 | 19.2205236 | 0.0424533 | 9.846711 | 0.0172278 | 1.9712365 |
| 120.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4761905 | 0.0000000 | 0.0000000 | 49.85714 | 0.6875000 | 0.9047619 | 120.32727 | 1.767992 | -0.2272747 | 0.0314824 | 10.004695 | 0.0000017 | -0.0231767 |
| 106.9 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4473684 | 0.0000000 | 0.0263158 | 51.89474 | 0.6428571 | 0.8947368 | 122.01385 | 1.767588 | -15.1138523 | 0.0314680 | 9.908424 | 0.0077179 | -1.5412450 |
| 121.5 | 0.0000000 | 0.0000000 | 0.9855072 | 0.4347826 | 0.0144928 | 0.0434783 | 51.10145 | 0.6730769 | 0.8405797 | 121.86478 | 1.912481 | -0.3647793 | 0.0368385 | 10.004661 | 0.0000053 | -0.0373022 |
| 129.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4615385 | 0.0512821 | 0.0000000 | 58.71795 | 0.6779661 | 0.8974359 | 129.17694 | 2.676578 | 0.3230595 | 0.0721550 | 10.004671 | 0.0000088 | 0.0336588 |
| 109.8 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5483871 | 0.0000000 | 0.0000000 | 51.54839 | 0.6521739 | 100.0000000 | 114.88061 | 5.962613 | -5.0806067 | 0.3580802 | 9.988365 | 0.0225921 | -0.6363978 |
| 117.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4117647 | 0.0000000 | 0.0000000 | 57.94118 | 0.6400000 | 0.9411765 | 127.80889 | 2.318569 | -10.2088879 | 0.0541436 | 9.959846 | 0.0063527 | -1.0534631 |
| 115.6 | 0.0000000 | 0.1304348 | 0.8695652 | 0.4347826 | 0.1304348 | 0.1086957 | 49.56522 | 0.6666667 | 0.9565217 | 119.54515 | 1.575353 | -3.9451469 | 0.0249956 | 9.998229 | 0.0004122 | -0.4009714 |
| 117.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5641026 | 0.1025641 | 0.1282051 | 47.64103 | 0.6551724 | 0.8461538 | 118.91516 | 2.134786 | -1.7151566 | 0.0459003 | 10.003464 | 0.0001494 | -0.1762221 |
| 104.3 | 0.0000000 | 0.1315789 | 0.9736842 | 0.4736842 | 0.2105263 | 0.4210526 | 36.39474 | 0.6666667 | 0.8157895 | 105.78771 | 2.034427 | -1.4877102 | 0.0416861 | 10.003778 | 0.0001012 | -0.1525169 |
| 105.3 | 0.0000000 | 0.0500000 | 0.9500000 | 0.5250000 | 0.0750000 | 0.5750000 | 36.25000 | 0.7096774 | 0.8250000 | 107.27787 | 2.453839 | -1.9778690 | 0.0606456 | 10.003025 | 0.0002708 | -0.2048030 |
| 117.6 | 0.0000000 | 0.0243902 | 0.8536585 | 0.5121951 | 0.1951220 | 0.2682927 | 39.31707 | 0.6984127 | 0.8048780 | 109.64115 | 1.443233 | 7.9588474 | 0.0209788 | 9.978393 | 0.0013964 | 0.8072492 |
| 93.5 | 0.0000000 | 0.4594595 | 0.4324324 | 0.4054054 | 0.4594595 | 0.4324324 | 32.35135 | 0.6785714 | 0.9729730 | 98.84106 | 3.067409 | -5.3410598 | 0.0947655 | 9.991904 | 0.0033227 | -0.5633787 |
| 98.7 | 0.0000000 | 0.0512821 | 0.8717949 | 0.5128205 | 0.2307692 | 0.5384615 | 37.58974 | 0.6779661 | 0.8205128 | 107.60849 | 1.594124 | -8.9084944 | 0.0255948 | 9.971569 | 0.0021547 | -0.9057076 |
| 112.2 | 0.2549020 | 0.3421053 | 0.7894737 | 0.6052632 | 0.7368421 | 0.1052632 | 39.05263 | 0.6428571 | 0.9473684 | 108.16074 | 4.971211 | 4.0392625 | 0.2489037 | 9.995887 | 0.0072502 | 0.4677435 |
| 102.6 | 0.0000000 | 0.1538462 | 0.8974359 | 0.5128205 | 0.2051282 | 0.0769231 | 42.38462 | 0.6551724 | 0.9487179 | 112.85151 | 1.141020 | -10.2515065 | 0.0131127 | 9.961355 | 0.0014251 | -1.0356366 |
| 122.7 | 0.0000000 | 0.0000000 | 0.8333333 | 0.4166667 | 0.0000000 | 0.0000000 | 56.08333 | 0.6666667 | 100.0000000 | 118.41822 | 6.000093 | 4.2817837 | 0.3625960 | 9.993023 | 0.0164797 | 0.5382336 |
| 138.9 | 0.0000000 | 0.0000000 | 0.9729730 | 0.4054054 | 0.1621622 | 0.0000000 | 45.86486 | 0.6545455 | 0.7837838 | 114.97273 | 1.503447 | 23.9272713 | 0.0227658 | 9.763777 | 0.0137461 | 2.4291109 |
| 100.0 | 0.0000000 | 0.2666667 | 0.8000000 | 0.4666667 | 0.2666667 | 0.1333333 | 38.66667 | 0.6956522 | 0.9333333 | 107.72768 | 1.544118 | -7.7276809 | 0.0240142 | 9.979825 | 0.0015163 | -0.7850204 |
| 104.2 | 0.0256410 | 0.0512821 | 0.8974359 | 0.4871795 | 0.4102564 | 0.7692308 | 41.23077 | 0.6551724 | 0.9230769 | 110.01550 | 1.370540 | -5.8154982 | 0.0189187 | 9.990700 | 0.0006695 | -0.5892342 |
| 103.7 | 0.0500000 | 0.2500000 | 0.7000000 | 0.5000000 | 0.4250000 | 0.4250000 | 39.45000 | 0.6666667 | 0.9750000 | 108.28310 | 1.509522 | -4.5831029 | 0.0229502 | 9.995978 | 0.0005086 | -0.4653232 |
| 101.1 | 0.0000000 | 0.2500000 | 0.6500000 | 0.5000000 | 0.3250000 | 0.4500000 | 39.22500 | 0.6666667 | 0.8500000 | 108.56672 | 1.278778 | -7.4667235 | 0.0164701 | 9.981658 | 0.0009561 | -0.7555962 |
| 115.1 | 0.0000000 | 0.1351351 | 0.8918919 | 0.5675676 | 0.2972973 | 0.4324324 | 39.56757 | 0.6545455 | 0.9459459 | 110.26113 | 1.400839 | 4.8388703 | 0.0197644 | 9.995007 | 0.0004851 | 0.4904923 |
| 97.8 | 0.0000000 | 0.2500000 | 0.8888889 | 0.6666667 | 0.4166667 | 0.6111111 | 38.33333 | 0.6666667 | 0.9444444 | 109.94305 | 2.426963 | -12.1430468 | 0.0593244 | 9.940822 | 0.0099567 | -1.2564963 |
| 110.0 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5454545 | 0.0000000 | 0.0000000 | 48.70455 | 0.6461538 | 0.9090909 | 120.31906 | 2.095156 | -10.3190625 | 0.0442120 | 9.959347 | 0.0051904 | -1.0592853 |
| 119.4 | 0.0000000 | 0.0000000 | 0.9607843 | 0.5294118 | 0.0000000 | 0.0196078 | 49.07843 | 0.6578947 | 0.9019608 | 121.43708 | 2.102575 | -2.0370775 | 0.0445256 | 10.002952 | 0.0002038 | -0.2091469 |
| 122.6 | 0.0000000 | 0.0000000 | 0.9285714 | 0.3928571 | 0.0000000 | 0.0000000 | 48.75000 | 0.6666667 | 0.8214286 | 118.74192 | 1.982622 | 3.8580789 | 0.0395901 | 9.998418 | 0.0006435 | 0.3950902 |
| 96.9 | 0.0975610 | 0.3414634 | 0.2439024 | 0.5609756 | 0.7317073 | 0.2195122 | 36.58537 | 0.6774194 | 0.7804878 | 104.60401 | 2.968476 | -7.7040106 | 0.0887512 | 9.978217 | 0.0063891 | -0.8099382 |
| 128.1 | 0.0000000 | 0.0000000 | 0.9333333 | 0.5833333 | 0.0166667 | 0.0333333 | 43.21667 | 0.6813187 | 0.9333333 | 116.04038 | 2.214647 | 12.0596237 | 0.0493987 | 9.942360 | 0.0080074 | 1.2413323 |
| 120.5 | 0.0000000 | 0.0750000 | 0.9000000 | 0.4250000 | 0.2250000 | 0.1000000 | 48.42500 | 0.6666667 | 0.9500000 | 117.62860 | 1.529177 | 2.8713999 | 0.0235517 | 10.001285 | 0.0002051 | 0.2916235 |
| 109.5 | 0.0000000 | 0.5263158 | 0.5789474 | 0.5526316 | 0.4736842 | 0.3684211 | 40.65789 | 0.6428571 | 0.9736842 | 110.11143 | 1.808001 | -0.6114277 | 0.0329234 | 10.004560 | 0.0000133 | -0.0623976 |
| 111.5 | 0.0000000 | 0.6000000 | 0.3500000 | 0.5500000 | 0.4750000 | 0.1000000 | 41.90000 | 0.6666667 | 0.9000000 | 111.37681 | 1.902034 | 0.1231884 | 0.0364371 | 10.004710 | 0.0000006 | 0.0125946 |
| 130.4 | 0.0000000 | 0.0263158 | 0.9736842 | 0.5000000 | 0.0526316 | 0.0000000 | 55.31579 | 0.6666667 | 0.8421053 | 127.23714 | 2.721345 | 3.1628632 | 0.0745889 | 10.000324 | 0.0008776 | 0.3299640 |
| 128.1 | 0.0256410 | 0.0000000 | 100.0000000 | 0.5641026 | 0.0512821 | 0.0000000 | 53.66667 | 0.6779661 | 0.8205128 | 125.62820 | 2.607578 | 2.4717966 | 0.0684828 | 10.002051 | 0.0004857 | 0.2570223 |
| 132.6 | 0.0000000 | 0.0303030 | 100.0000000 | 0.3636364 | 0.0000000 | 0.0303030 | 55.03030 | 0.6800000 | 0.7272727 | 123.88782 | 2.104966 | 8.7121811 | 0.0446269 | 9.972384 | 0.0037378 | 0.8945279 |
| 132.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3750000 | 0.0000000 | 0.0000000 | 48.41667 | 0.6666667 | 0.8750000 | 117.07195 | 2.171255 | 15.1280494 | 0.0474820 | 9.906613 | 0.0120630 | 1.5556068 |
| 94.8 | 0.0000000 | 0.9750000 | 0.0000000 | 0.5500000 | 0.5250000 | 0.3750000 | 36.35000 | 0.6206897 | 0.9750000 | 105.17462 | 1.962390 | -10.3746184 | 0.0387862 | 9.959116 | 0.0045508 | -1.0619783 |
| 96.1 | 0.0000000 | 100.0000000 | 0.0000000 | 0.5405405 | 0.6216216 | 0.6756757 | 37.75676 | 0.6296296 | 0.9459459 | 95.77652 | 8.876164 | 0.3234844 | 0.7935195 | 10.004511 | 0.0019616 | 0.0714443 |
| 106.7 | 0.0000000 | 0.2931034 | 0.6896552 | 0.5344828 | 0.1896552 | 0.3275862 | 38.58621 | 0.6511628 | 0.9655172 | 109.26380 | 1.573562 | -2.5637970 | 0.0249388 | 10.001977 | 0.0001737 | -0.2605681 |
| 116.1 | 0.0000000 | 0.0000000 | 0.9148936 | 0.5744681 | 0.1914894 | 0.4255319 | 39.82979 | 0.6571429 | 0.8510638 | 111.28940 | 1.600645 | 4.8106049 | 0.0258046 | 9.995060 | 0.0006337 | 0.4891366 |
| 109.6 | 0.0000000 | 0.1666667 | 0.8333333 | 0.6666667 | 0.3611111 | 0.7500000 | 39.83333 | 0.6666667 | 0.7222222 | 111.87516 | 2.415231 | -2.2751619 | 0.0587522 | 10.002482 | 0.0003457 | -0.2353498 |
| 110.9 | 0.0000000 | 0.0000000 | 0.7068966 | 0.5517241 | 0.2586207 | 0.5172414 | 42.68966 | 0.6511628 | 0.8965517 | 113.53865 | 1.310235 | -2.6386548 | 0.0172904 | 10.001838 | 0.0001256 | -0.2671305 |
| 111.5 | 0.0000000 | 0.0869565 | 0.7391304 | 0.5652174 | 0.2826087 | 0.2608696 | 38.41304 | 0.6666667 | 0.8913043 | 109.09485 | 1.462380 | 2.4051470 | 0.0215391 | 10.002314 | 0.0001311 | 0.2440188 |
| 101.2 | 0.0000000 | 0.0000000 | 0.9743590 | 0.5384615 | 0.3333333 | 0.2564103 | 41.10256 | 0.6551724 | 0.9743590 | 111.19794 | 1.254486 | -9.9979374 | 0.0158503 | 9.963363 | 0.0016476 | -1.0114242 |
| 115.1 | 0.0175439 | 0.0000000 | 0.9824561 | 0.3859649 | 0.0350877 | 0.0350877 | 48.07018 | 0.6588235 | 0.8947368 | 117.71855 | 1.990023 | -2.6185525 | 0.0398862 | 10.001815 | 0.0002988 | -0.2681967 |
| 105.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4531250 | 0.0312500 | 0.0156250 | 44.62500 | 0.6666667 | 0.9062500 | 114.21384 | 2.104704 | -8.6138422 | 0.0446159 | 9.973111 | 0.0036529 | -0.8844258 |
| 111.7 | 0.0169492 | 0.1355932 | 0.7796610 | 0.4915254 | 0.2711864 | 0.2372881 | 39.61017 | 0.6590909 | 0.8474576 | 109.18676 | 1.270718 | 2.5132425 | 0.0162632 | 10.002107 | 0.0001069 | 0.2543012 |
| 106.4 | 0.0000000 | 0.2131148 | 0.9672131 | 0.5081967 | 0.4426230 | 0.1147541 | 43.09836 | 0.6739130 | 0.8852459 | 112.14453 | 1.702839 | -5.7445315 | 0.0292048 | 9.990896 | 0.0010299 | -0.5851191 |
| 119.6 | 0.0000000 | 0.0800000 | 0.9800000 | 0.4800000 | 0.1800000 | 0.0000000 | 46.94000 | 0.6486486 | 0.8400000 | 117.28343 | 1.283604 | 2.3165739 | 0.0165947 | 10.002499 | 0.0000927 | 0.2344409 |
| 103.4 | 0.0000000 | 0.0526316 | 0.8684211 | 0.5526316 | 0.0526316 | 0.2105263 | 40.13158 | 0.6428571 | 0.9473684 | 112.03968 | 2.057596 | -8.6396794 | 0.0426410 | 9.972987 | 0.0034977 | -0.8861632 |
| 104.5 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4000000 | 0.0750000 | 0.0500000 | 47.65000 | 0.6666667 | 0.9500000 | 116.24783 | 1.971532 | -11.7478339 | 0.0391485 | 9.946185 | 0.0058942 | -1.2027716 |
| 114.4 | 0.0000000 | 0.0285714 | 0.9142857 | 0.4571429 | 0.0857143 | 0.1142857 | 48.74286 | 0.6792453 | 0.9428571 | 119.32084 | 1.536161 | -4.9208421 | 0.0237673 | 9.994633 | 0.0006082 | -0.4998230 |
| 112.2 | 0.0540541 | 0.1081081 | 0.1351351 | 0.5675676 | 0.5405405 | 0.2432432 | 41.59459 | 0.6785714 | 0.8378378 | 111.09238 | 2.161589 | 1.1076231 | 0.0470601 | 10.004194 | 0.0000640 | 0.1138709 |
| 119.5 | 0.0000000 | 0.0175439 | 100.0000000 | 0.4561404 | 0.0000000 | 0.0000000 | 53.35088 | 0.6744186 | 0.9473684 | 123.68682 | 1.864003 | -4.1868151 | 0.0349945 | 9.997333 | 0.0006635 | -0.4277326 |
| 113.3 | 0.0416667 | 0.2708333 | 0.3125000 | 0.5625000 | 0.6666667 | 0.3541667 | 35.29167 | 0.6666667 | 0.8750000 | 103.55908 | 2.490568 | 9.7409160 | 0.0624746 | 9.963510 | 0.0067927 | 1.0096289 |
| 130.2 | 0.0000000 | 0.0000000 | 100.0000000 | 0.3859649 | 0.0350877 | 0.0175439 | 51.28070 | 0.6744186 | 0.8947368 | 120.08739 | 1.901606 | 10.1126127 | 0.0364207 | 9.961501 | 0.0040402 | 1.0338871 |
| 110.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4871795 | 0.1025641 | 0.1025641 | 50.97436 | 0.6779661 | 0.8461538 | 121.11363 | 1.841824 | -11.0136336 | 0.0341667 | 9.953557 | 0.0044747 | -1.1246905 |
| 125.7 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4102564 | 0.2564103 | 0.3589744 | 50.17949 | 0.6551724 | 0.8205128 | 118.06051 | 2.227293 | 7.6394902 | 0.0499645 | 9.979725 | 0.0032540 | 0.7865892 |
| 122.4 | 0.0000000 | 0.0000000 | 100.0000000 | 0.5333333 | 0.0333333 | 0.1333333 | 53.73333 | 0.6666667 | 0.9333333 | 125.22916 | 2.347557 | -2.8291639 | 0.0555059 | 10.001273 | 0.0005016 | -0.2921541 |
| 123.6 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4324324 | 0.0000000 | 0.0540541 | 48.21622 | 0.6785714 | 0.7837838 | 117.84710 | 1.866055 | 5.7529046 | 0.0350716 | 9.990771 | 0.0012556 | 0.5877507 |
| 119.9 | 0.0000000 | 0.0697674 | 0.9302326 | 0.4186047 | 0.1860465 | 0.0000000 | 38.86047 | 0.6769231 | 0.9534884 | 107.60455 | 2.075778 | 12.2954516 | 0.0433979 | 9.940297 | 0.0072211 | 1.2616309 |
| 117.0 | 0.0000000 | 0.0750000 | 100.0000000 | 0.4250000 | 0.1000000 | 0.0250000 | 49.85000 | 0.6885246 | 0.9500000 | 118.84793 | 1.761125 | -1.8479349 | 0.0312383 | 10.003284 | 0.0001145 | -0.1884220 |
| 117.0 | 0.0161290 | 0.1774194 | 0.7903226 | 0.4354839 | 0.1935484 | 0.1129032 | 42.54839 | 0.6808511 | 0.8387097 | 111.77466 | 1.431019 | 5.2253390 | 0.0206252 | 9.993383 | 0.0005913 | 0.5298995 |
| 118.2 | 0.0000000 | 0.0000000 | 0.9000000 | 0.4750000 | 0.0000000 | 0.0000000 | 52.90000 | 0.6885246 | 0.8250000 | 124.54342 | 2.235505 | -6.3434151 | 0.0503336 | 9.987486 | 0.0022619 | -0.6532676 |
| 99.8 | 0.0000000 | 0.1621622 | 0.6756757 | 0.3783784 | 0.3243243 | 0.1891892 | 42.56757 | 0.6785714 | 0.7837838 | 110.04097 | 1.941887 | -10.2409691 | 0.0379800 | 9.960323 | 0.0043349 | -1.0478581 |
| 132.6 | 0.0000000 | 0.0555556 | 100.0000000 | 0.5277778 | 0.2777778 | 0.6666667 | 44.08333 | 0.6153846 | 0.8888889 | 113.49263 | 2.155162 | 19.1073678 | 0.0467807 | 9.847866 | 0.0189317 | 1.9640744 |
| 113.5 | 0.0000000 | 0.1282051 | 100.0000000 | 0.4615385 | 0.4615385 | 0.5128205 | 36.28205 | 0.6779661 | 0.8205128 | 102.99557 | 3.343172 | 10.5044303 | 0.1125705 | 9.954068 | 0.0158858 | 1.1190746 |
| 103.4 | 0.0000000 | 0.6052632 | 0.7105263 | 0.4736842 | 0.5526316 | 0.4210526 | 39.81579 | 0.6428571 | 0.8684211 | 107.40114 | 2.142766 | -4.0011355 | 0.0462441 | 9.997894 | 0.0008197 | -0.4111669 |
| 132.3 | 0.0000000 | 0.0476190 | 0.9523810 | 0.4285714 | 0.1269841 | 0.0952381 | 44.69841 | 0.6736842 | 0.8730159 | 114.31122 | 1.447855 | 17.9887846 | 0.0211133 | 9.869486 | 0.0071813 | 1.8246901 |
| 129.8 | 0.0000000 | 0.0000000 | 0.9444444 | 0.3888889 | 0.1388889 | 0.0000000 | 50.02778 | 0.6909091 | 0.8888889 | 119.20767 | 1.777340 | 10.5923329 | 0.0318162 | 9.957520 | 0.0038355 | 1.0803543 |
| 150.3 | 0.0000000 | 0.0000000 | 0.9473684 | 0.4473684 | 0.0526316 | 0.1578947 | 49.52632 | 0.6666667 | 0.9736842 | 120.17842 | 1.678673 | 30.1215802 | 0.0283817 | 9.617816 | 0.0274733 | 3.0667856 |
| 107.3 | 0.0000000 | 0.0263158 | 0.9736842 | 0.3684211 | 0.0000000 | 0.0000000 | 57.63158 | 0.6666667 | 0.9473684 | 127.72165 | 2.805264 | -20.4216529 | 0.0792601 | 9.818955 | 0.0392708 | -2.1358753 |
| 124.1 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4358974 | 0.0769231 | 0.0000000 | 53.15385 | 0.6779661 | 0.8461538 | 122.69408 | 1.872969 | 1.4059163 | 0.0353320 | 10.003884 | 0.0000756 | 0.1436561 |
| 127.7 | 0.0000000 | 0.0000000 | 0.9000000 | 0.4000000 | 0.0666667 | 0.0666667 | 56.13333 | 0.6956522 | 0.6666667 | 126.30144 | 2.546138 | 1.3985592 | 0.0652936 | 10.003866 | 0.0001472 | 0.1451766 |
| 133.8 | 0.0000000 | 0.0810811 | 0.8918919 | 0.5135135 | 0.1351351 | 0.4324324 | 40.02703 | 0.6785714 | 0.9729730 | 110.74446 | 1.584604 | 23.0555438 | 0.0252900 | 9.780625 | 0.0142513 | 2.3436413 |
| 111.5 | 0.0500000 | 0.0250000 | 100.0000000 | 0.4750000 | 0.1000000 | 0.2000000 | 41.67500 | 0.6666667 | 0.8250000 | 111.12721 | 2.513623 | 0.3727927 | 0.0636366 | 10.004656 | 0.0000102 | 0.0386633 |
| 106.3 | 0.1724138 | 0.8275862 | 0.0000000 | 0.5862069 | 0.2758621 | 0.5862069 | 36.82759 | 0.6511628 | 0.9655172 | 107.95679 | 3.500304 | -1.6567923 | 0.1234010 | 10.003444 | 0.0004440 | -0.1775910 |
| 105.4 | 0.0000000 | 0.2162162 | 0.7297297 | 0.5405405 | 0.2972973 | 0.4324324 | 36.10811 | 0.6545455 | 0.9459459 | 106.12225 | 1.659098 | -0.7222523 | 0.0277237 | 10.004499 | 0.0000154 | -0.0735102 |
| 142.2 | 0.0270270 | 0.0000000 | 100.0000000 | 0.4594595 | 0.0270270 | 0.1621622 | 49.24324 | 0.6785714 | 0.9729730 | 119.25870 | 1.801264 | 22.9412965 | 0.0326785 | 9.781151 | 0.0185124 | 2.3409170 |
| 119.6 | 0.0000000 | 0.3333333 | 0.6944444 | 0.3888889 | 0.3055556 | 0.4166667 | 47.47222 | 0.6415094 | 0.9166667 | 115.50829 | 1.836482 | 4.0917149 | 0.0339688 | 9.997673 | 0.0006138 | 0.4177950 |
| 106.5 | 0.0256410 | 0.1538462 | 0.4102564 | 0.4615385 | 0.4615385 | 0.5128205 | 41.10256 | 0.6551724 | 0.8461538 | 109.15564 | 1.682806 | -2.6556438 | 0.0285217 | 10.001767 | 0.0002147 | -0.2704000 |
| 119.6 | 0.0000000 | 0.0000000 | 0.9487179 | 0.5128205 | 0.2564103 | 0.3076923 | 44.87179 | 0.6551724 | 0.9743590 | 115.19371 | 1.220820 | 4.4062942 | 0.0150110 | 9.996705 | 0.0003026 | 0.4455652 |
| 117.5 | 0.0000000 | 0.0000000 | 0.9117647 | 0.4705882 | 0.0588235 | 0.0294118 | 50.23529 | 0.6400000 | 0.8461538 | 121.32534 | 1.781081 | -3.8253403 | 0.0319503 | 9.998573 | 0.0005025 | -0.3901887 |
| 111.1 | 0.0000000 | 0.0263158 | 0.9210526 | 0.6052632 | 0.0526316 | 0.3947368 | 41.84211 | 0.6428571 | 0.9736842 | 114.74978 | 2.262156 | -3.6497764 | 0.0515409 | 9.999009 | 0.0007687 | -0.3761062 |
| 115.8 | 0.0000000 | 0.0000000 | 0.9714286 | 0.5428571 | 0.0857143 | 0.1428571 | 46.57143 | 0.6538462 | 0.9142857 | 118.51131 | 1.739221 | -2.7113149 | 0.0304661 | 10.001636 | 0.0002400 | -0.2763452 |
| 106.8 | 0.0000000 | 0.0000000 | 0.9090909 | 0.4848485 | 0.1515152 | 0.2727273 | 43.00000 | 0.6530612 | 0.8484848 | 113.34765 | 1.243495 | -6.5476504 | 0.0155738 | 9.987006 | 0.0006939 | -0.6622888 |
| 98.4 | 0.0000000 | 0.0000000 | 100.0000000 | 0.4705882 | 0.1470588 | 0.1176471 | 41.00000 | 0.6923077 | 0.8823529 | 109.98720 | 2.367061 | -11.5871961 | 0.0564321 | 9.946733 | 0.0085712 | -1.1971409 |
| 97.8 | 0.5526316 | 100.0000000 | 0.0000000 | 0.5789474 | 0.6842105 | 0.6578947 | 38.63158 | 0.6428571 | 0.9210526 | 97.72001 | 8.878729 | 0.0799950 | 0.7939782 | 10.004704 | 0.0001206 | 0.0176872 |

## Warning in sqrt(crit \* p \* (1 - hh)/hh): NaNs produced  
  
## Warning in sqrt(crit \* p \* (1 - hh)/hh): NaNs produced

