

# Modelagem

## Camila Variables

### Full model

Table 1: Model summary

| term                         | estimate | std.error  | statistic | p.value |
|------------------------------|----------|------------|-----------|---------|
| (Intercept)                  | -10.621  | 6.430      | -1.652    | 0.099   |
| factor(ventilacao_mecanica)1 | -0.382   | 2.894      | -0.132    | 0.895   |
| factor(causa_ira)1           | -92.322  | 61468.754  | -0.002    | 0.999   |
| factor(causa_ira)2           | 3.897    | 5.735      | 0.679     | 0.497   |
| sofa                         | 2.360    | 1.089      | 2.166     | 0.030   |
| una                          | 0.021    | 0.019      | 1.145     | 0.252   |
| fek                          | 0.526    | 0.295      | 1.781     | 0.075   |
| su                           | -0.061   | 0.075      | -0.805    | 0.421   |
| delta_scr                    | 2.919    | 5.556      | 0.525     | 0.599   |
| factor(causa_ira)1:una       | -0.269   | 308.729    | -0.001    | 0.999   |
| factor(causa_ira)2:una       | -0.206   | 0.114      | -1.813    | 0.070   |
| factor(causa_ira)1:fek       | -12.819  | 5646.564   | -0.002    | 0.998   |
| factor(causa_ira)2:fek       | 1.206    | 1.001      | 1.204     | 0.229   |
| factor(causa_ira)1:su        | 8.394    | 1641.004   | 0.005     | 0.996   |
| factor(causa_ira)2:su        | 0.017    | 0.105      | 0.161     | 0.872   |
| factor(causa_ira)1:delta_scr | 392.063  | 153308.513 | 0.003     | 0.998   |
| factor(causa_ira)2:delta_scr | 18.417   | 28.332     | 0.650     | 0.516   |

Table 2: Model details

| null.deviance | df.null | logLik | AIC    | BIC    | deviance | df.residual | nobs |
|---------------|---------|--------|--------|--------|----------|-------------|------|
| 70.21         | 50      | -9.092 | 52.183 | 85.024 | 18.183   | 34          | 51   |

Table 3: Confidence intervals

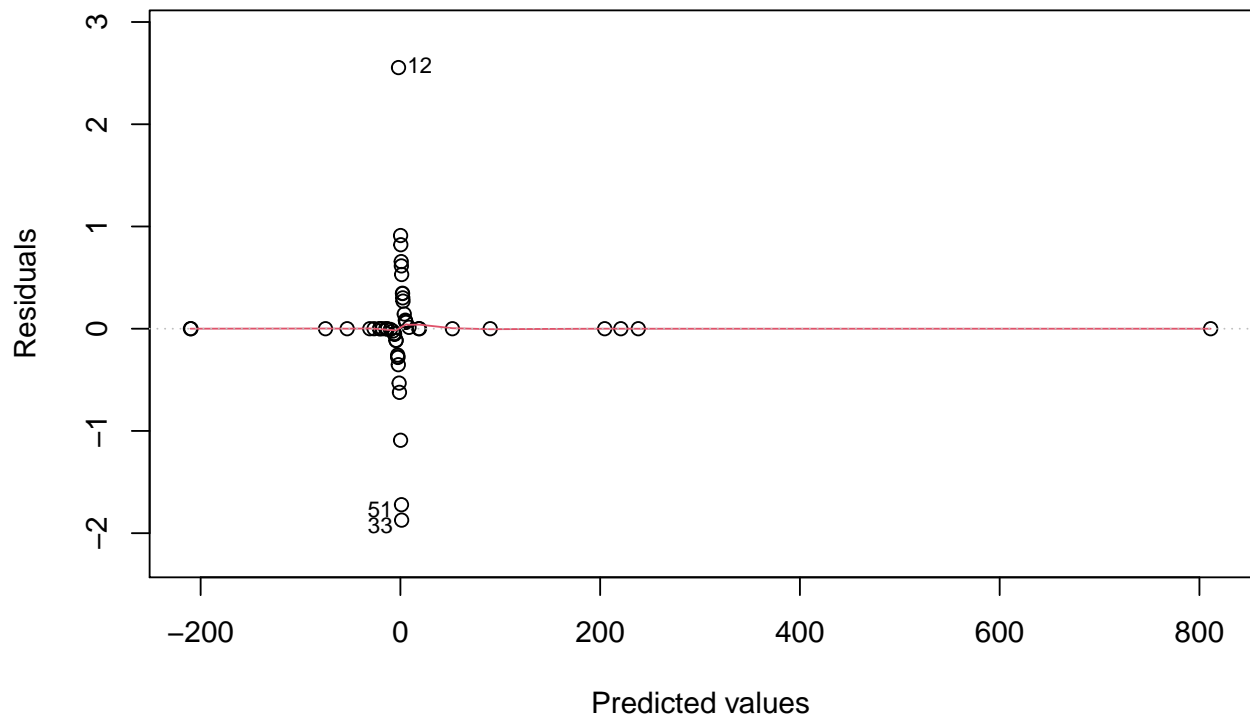
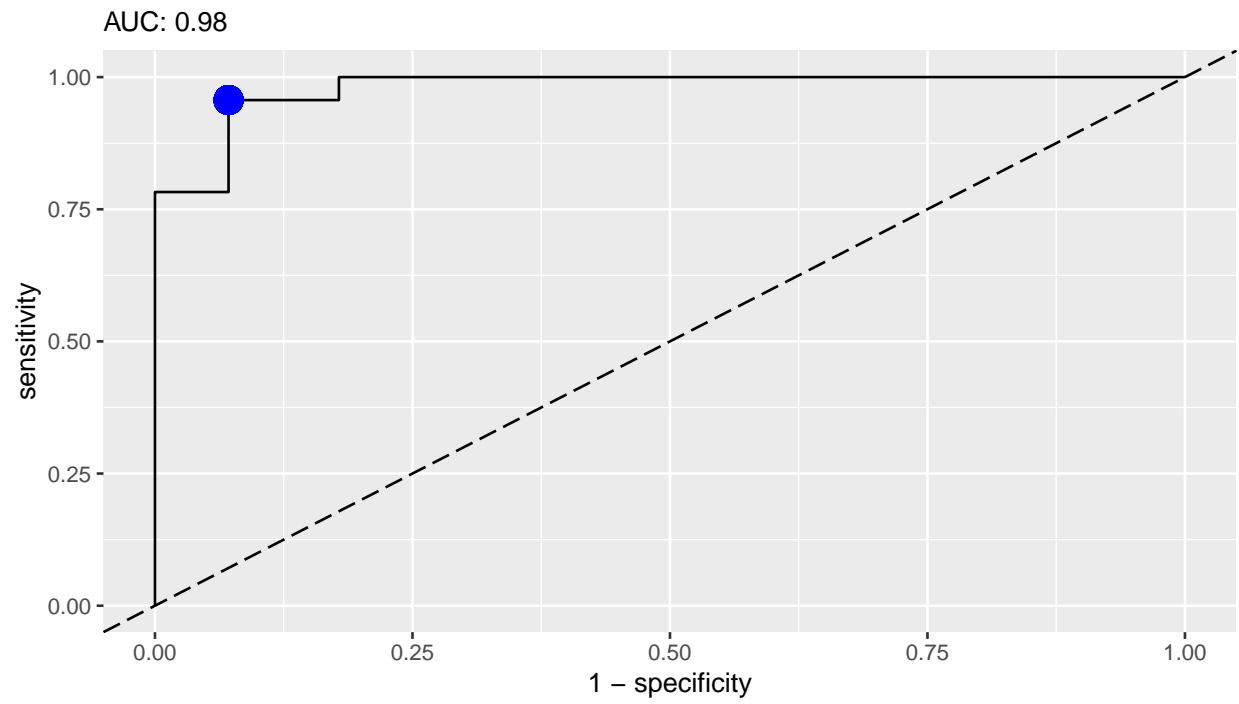
| variável                     | 2.5 % | 97.5 %       | estimativa   |
|------------------------------|-------|--------------|--------------|
| (Intercept)                  | 0.000 | 7.251000e+00 | 0.000000e+00 |
| factor(ventilacao_mecanica)1 | 0.002 | 1.985240e+02 | 6.830000e-01 |
| factor(causa_ira)1           | 0.000 | Inf          | 0.000000e+00 |
| factor(causa_ira)2           | 0.001 | 3.751701e+06 | 4.925500e+01 |
| sofa                         | 1.252 | 8.956800e+01 | 1.058800e+01 |
| una                          | 0.985 | 1.060000e+00 | 1.022000e+00 |
| fek                          | 0.949 | 3.016000e+00 | 1.691000e+00 |
| su                           | 0.812 | 1.091000e+00 | 9.410000e-01 |

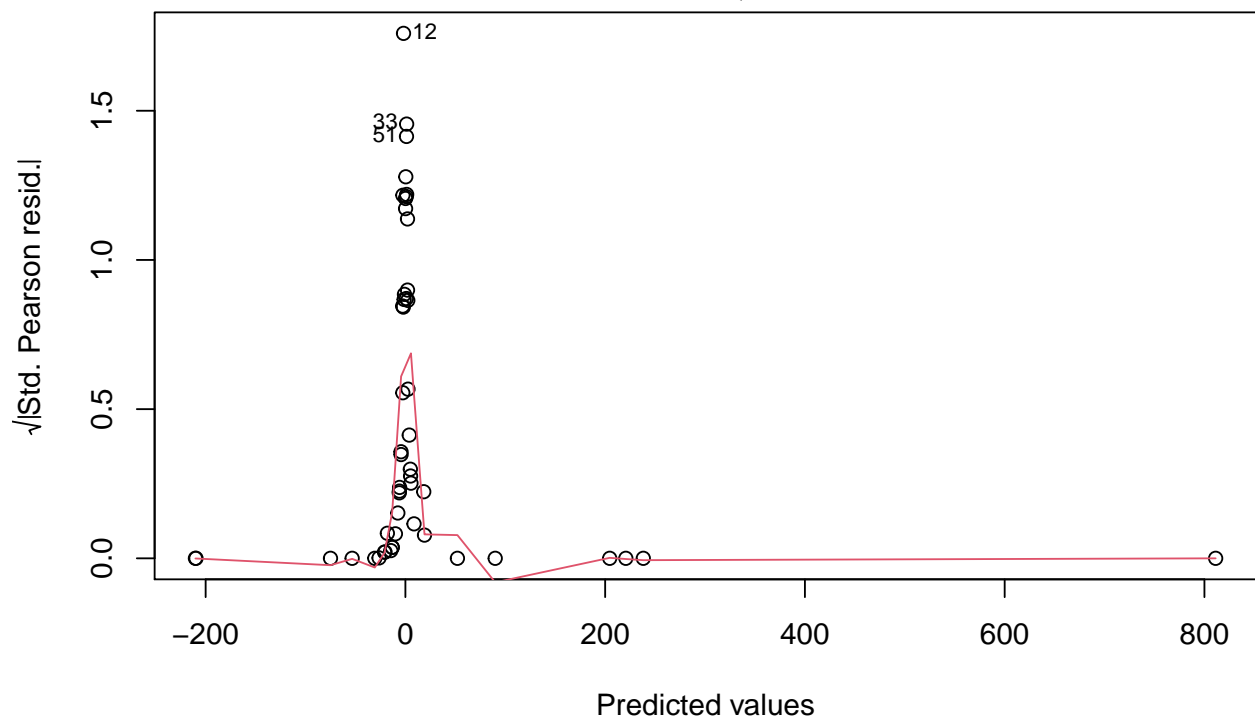
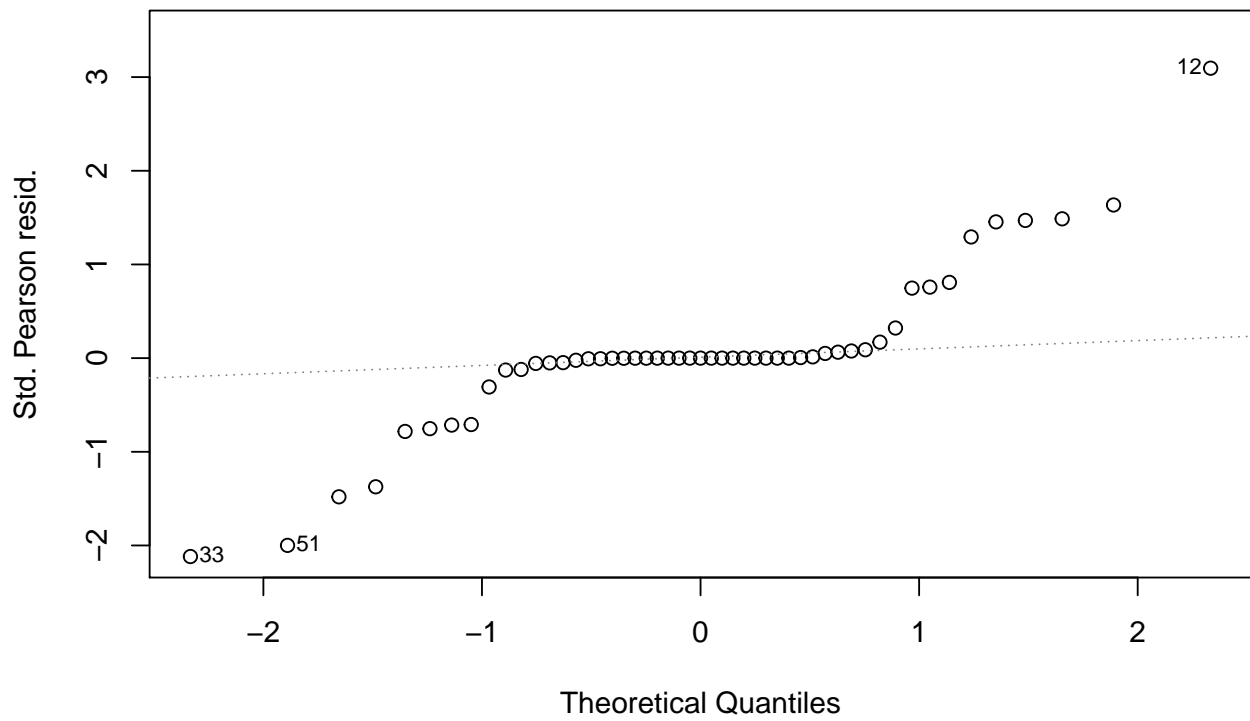
Table 3: Confidence intervals (*continued*)

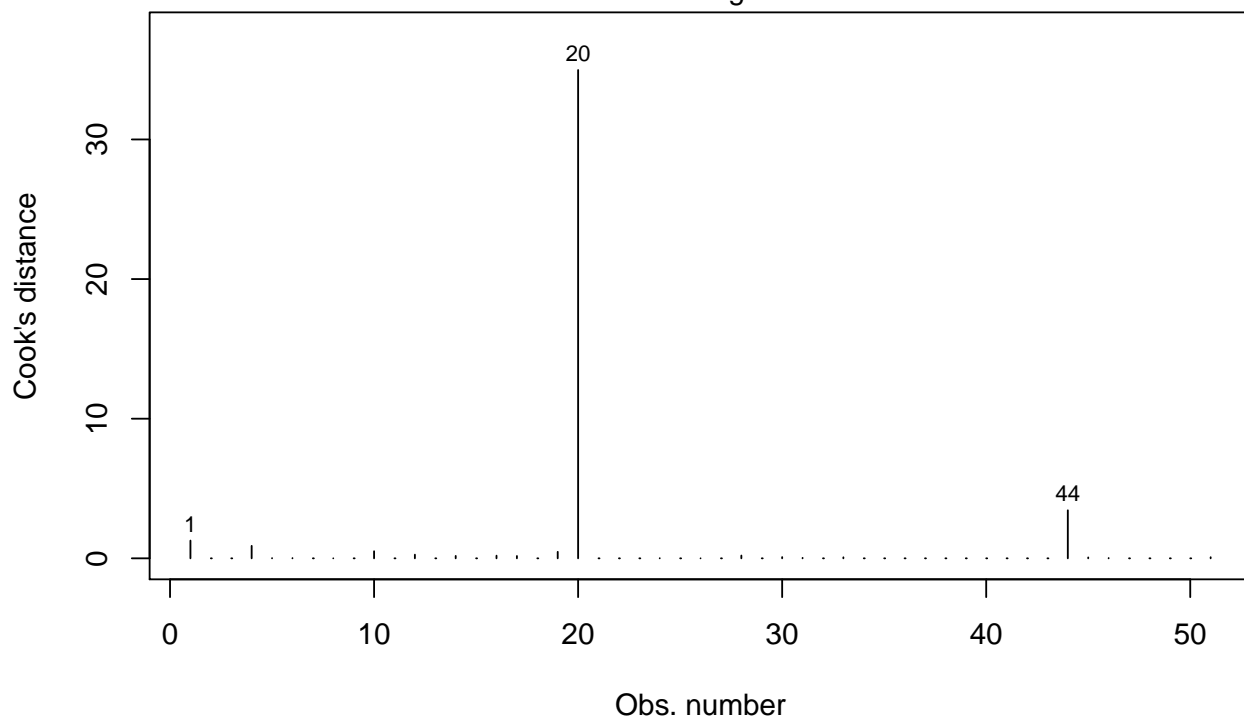
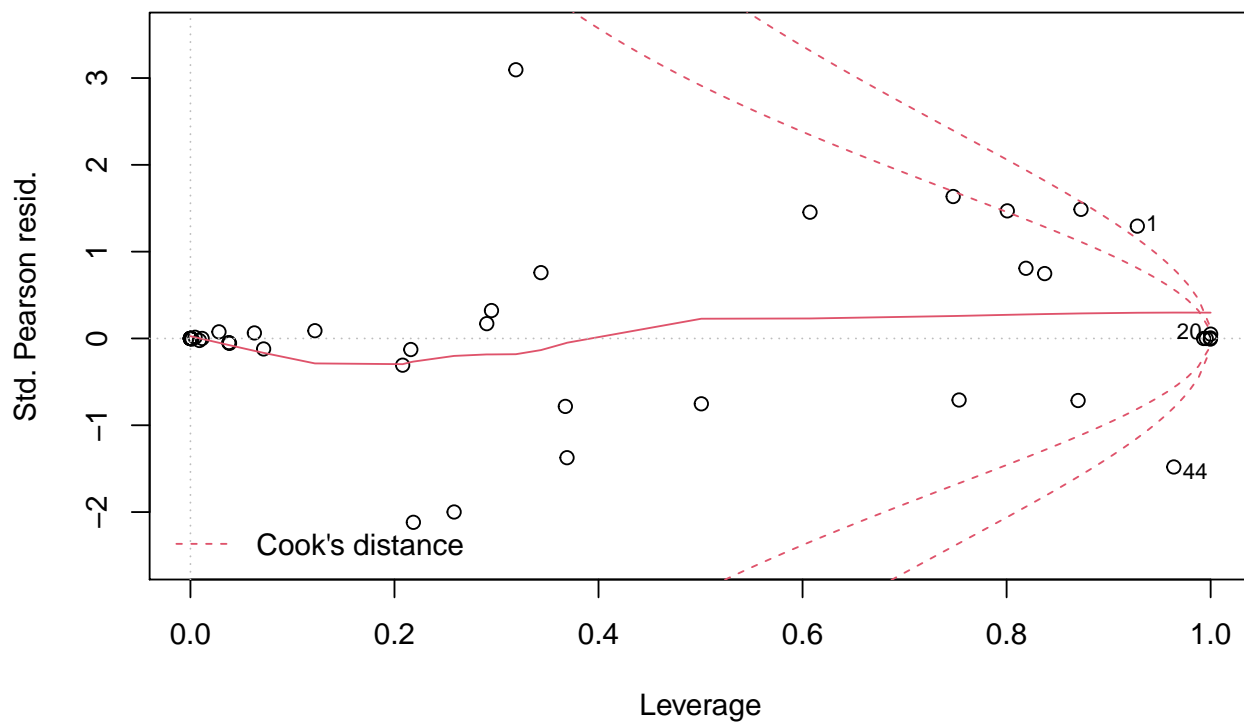
| variável                     | 2.5 % | 97.5 %        | estimativa    |
|------------------------------|-------|---------------|---------------|
| delta_scr                    | 0.000 | 9.923566e+05  | 1.852600e+01  |
| factor(causa_ira)1:una       | 0.000 | 4.716896e+262 | 7.640000e-01  |
| factor(causa_ira)2:una       | 0.651 | 1.017000e+00  | 8.140000e-01  |
| factor(causa_ira)1:fek       | 0.000 | Inf           | 0.000000e+00  |
| factor(causa_ira)2:fek       | 0.469 | 2.377400e+01  | 3.340000e+00  |
| factor(causa_ira)1:su        | 0.000 | Inf           | 4.418964e+03  |
| factor(causa_ira)2:su        | 0.829 | 1.248000e+00  | 1.017000e+00  |
| factor(causa_ira)1:delta_scr | 0.000 | Inf           | 1.866356e+170 |
| factor(causa_ira)2:delta_scr | 0.000 | 1.303009e+32  | 9.961903e+07  |

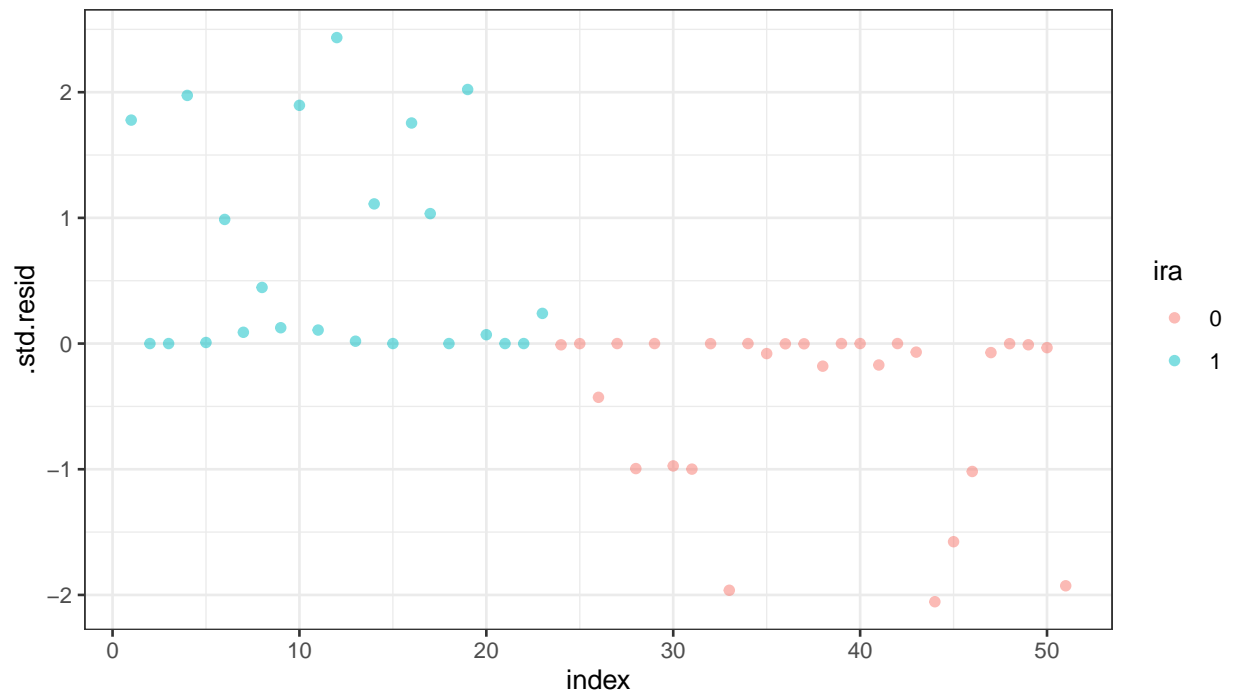
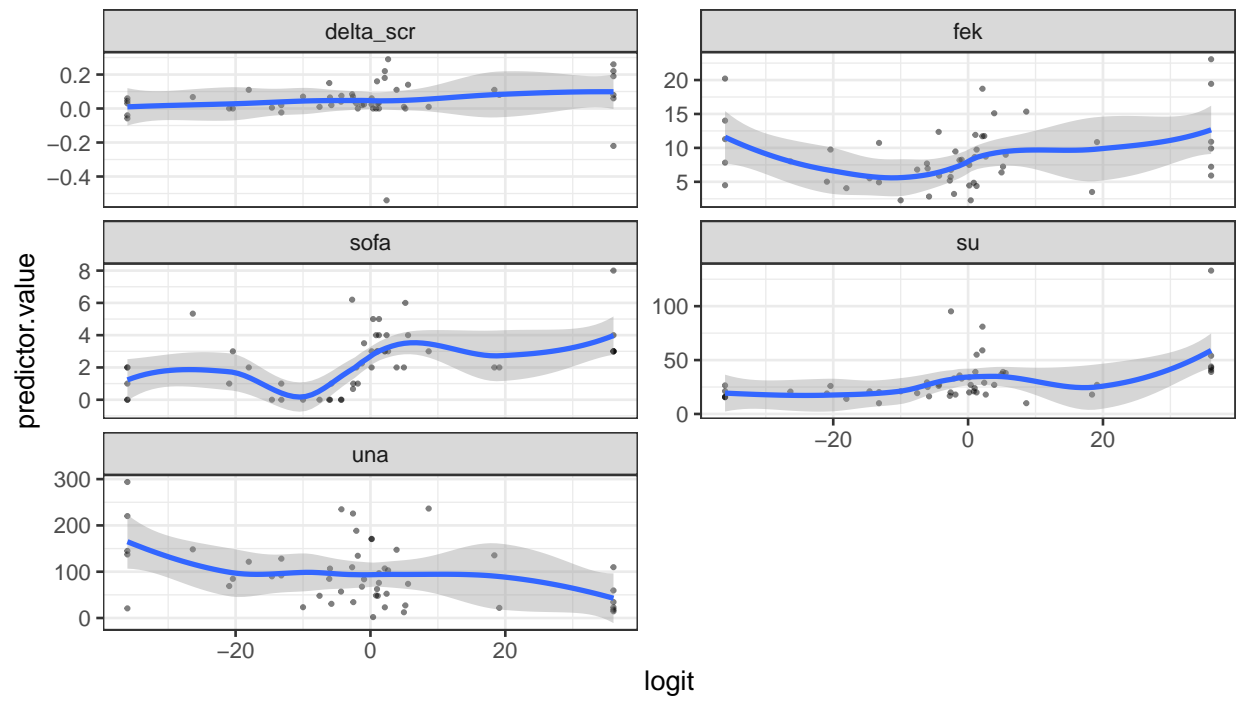
Table 4: Classifier metrics

|           | threshold | specificity | sensitivity | fpr   |
|-----------|-----------|-------------|-------------|-------|
| threshold | 0.545     | 0.929       | 0.957       | 0.071 |









## Backwards

Table 5: Model summary

| term                   | estimate  | std.error  | statistic | p.value |
|------------------------|-----------|------------|-----------|---------|
| (Intercept)            | -9.783    | 5.608      | -1.745    | 0.081   |
| factor(causa_ira)1     | -6099.387 | 243019.930 | -0.025    | 0.980   |
| factor(causa_ira)2     | 0.850     | 4.348      | 0.196     | 0.845   |
| sofa                   | 2.095     | 1.014      | 2.066     | 0.039   |
| una                    | 0.019     | 0.018      | 1.042     | 0.297   |
| fek                    | 0.486     | 0.281      | 1.725     | 0.084   |
| su                     | -0.050    | 0.068      | -0.732    | 0.464   |
| factor(causa_ira)1:una | -4.596    | 182.631    | -0.025    | 0.980   |
| factor(causa_ira)2:una | -0.168    | 0.102      | -1.650    | 0.099   |
| factor(causa_ira)1:fek | -693.679  | 27534.184  | -0.025    | 0.980   |
| factor(causa_ira)2:fek | 1.302     | 1.044      | 1.247     | 0.212   |
| factor(causa_ira)1:su  | 509.186   | 20242.830  | 0.025     | 0.980   |
| factor(causa_ira)2:su  | 0.022     | 0.101      | 0.219     | 0.827   |

Table 6: Model details

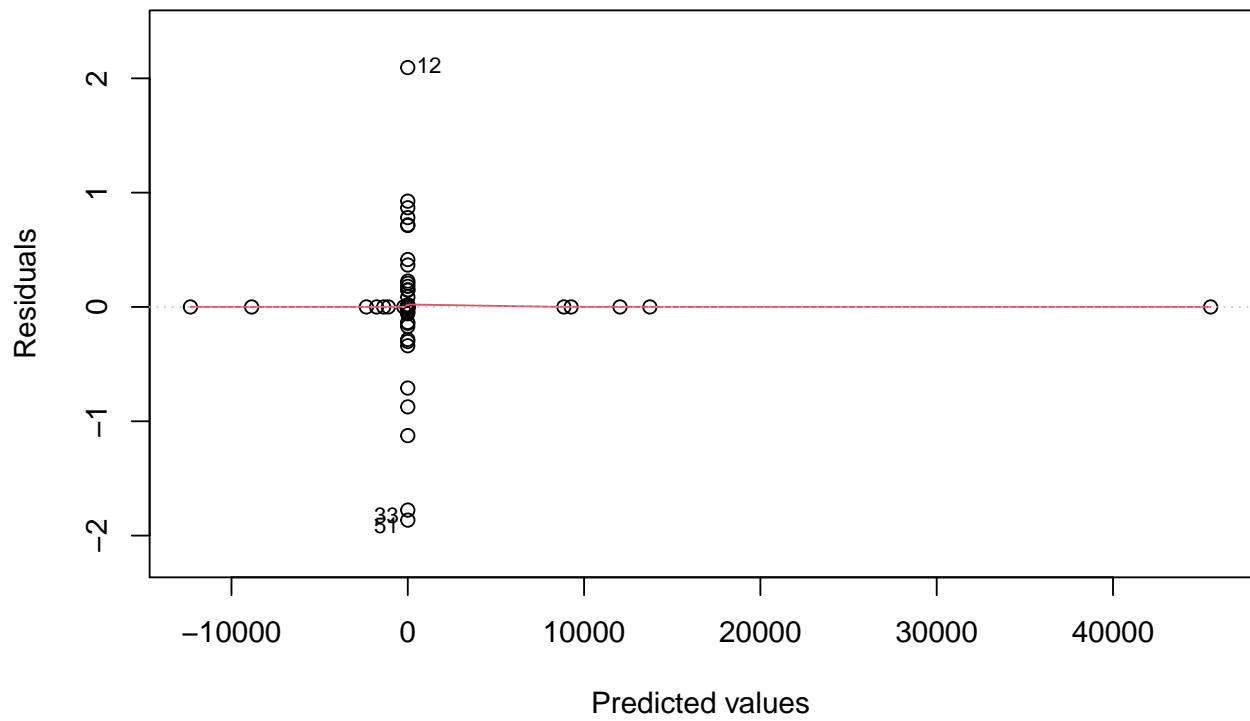
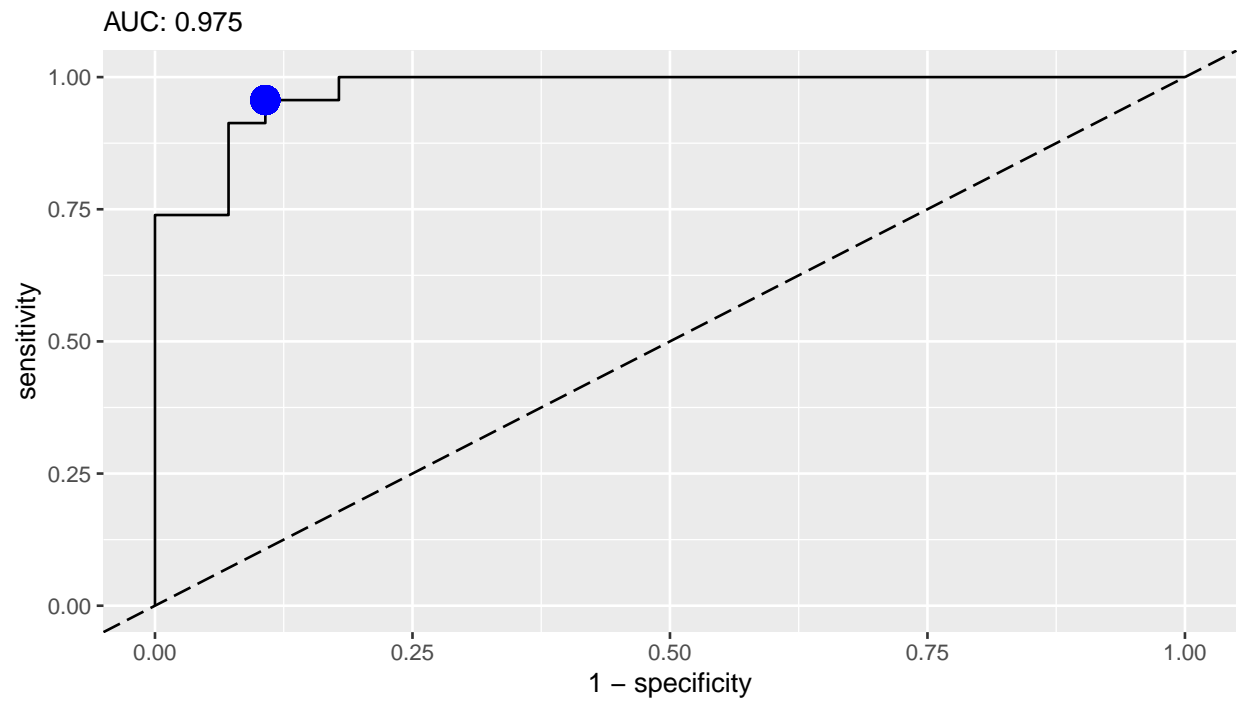
| null.deviance | df.null | logLik | AIC    | BIC    | deviance | df.residual | nobs |
|---------------|---------|--------|--------|--------|----------|-------------|------|
| 70.21         | 50      | -9.696 | 45.392 | 70.506 | 19.392   | 38          | 51   |

Table 7: Confidence intervals

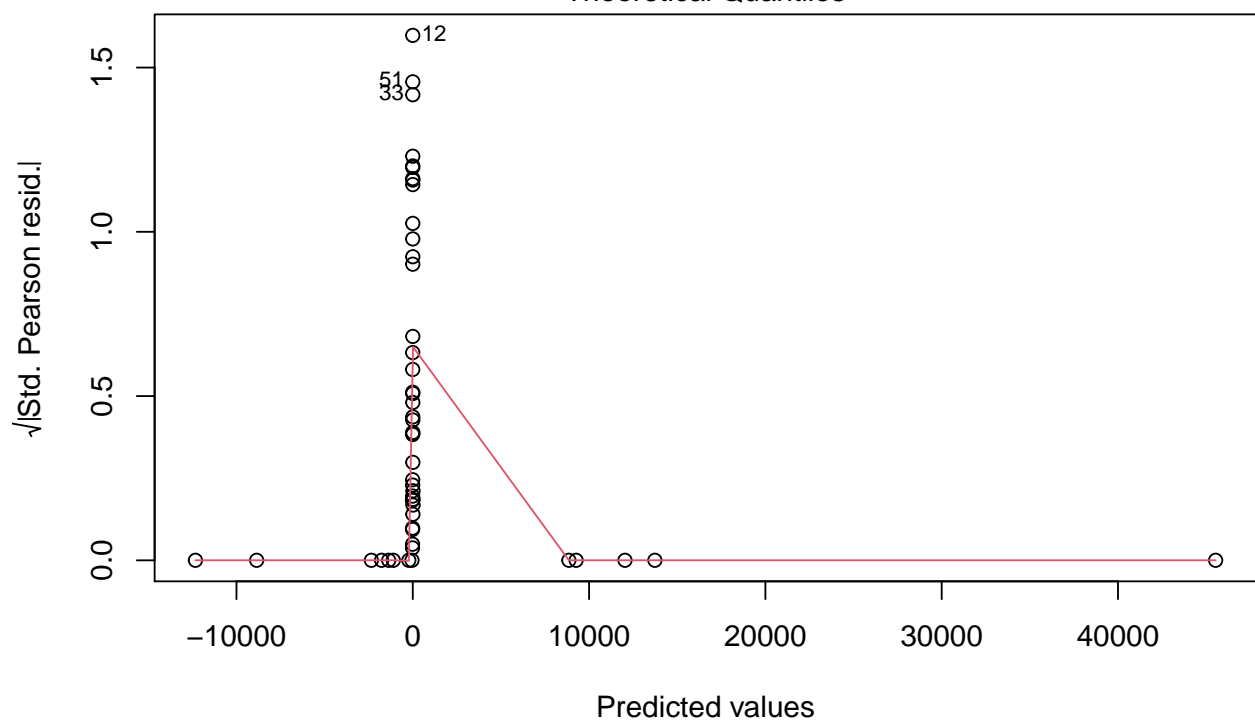
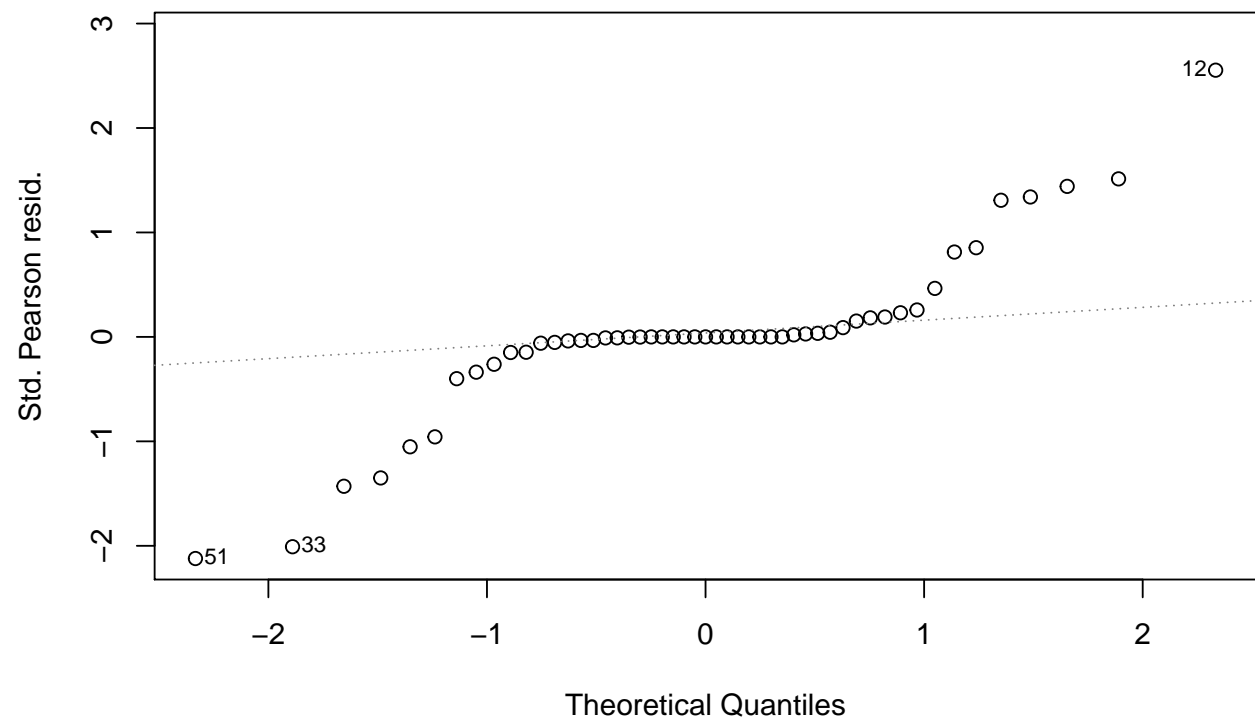
| variável               | 2.5 % | 97.5 %        | estimativa    |
|------------------------|-------|---------------|---------------|
| (Intercept)            | 0.000 | 3.346000e+00  | 0.000000e+00  |
| factor(causa_ira)1     | 0.000 | Inf           | 0.000000e+00  |
| factor(causa_ira)2     | 0.000 | 1.174467e+04  | 2.340000e+00  |
| sofa                   | 1.113 | 5.930000e+01  | 8.124000e+00  |
| una                    | 0.984 | 1.055000e+00  | 1.019000e+00  |
| fek                    | 0.936 | 2.821000e+00  | 1.625000e+00  |
| su                     | 0.833 | 1.087000e+00  | 9.520000e-01  |
| factor(causa_ira)1:una | 0.000 | 2.884853e+153 | 1.000000e-02  |
| factor(causa_ira)2:una | 0.692 | 1.032000e+00  | 8.450000e-01  |
| factor(causa_ira)1:fek | 0.000 | Inf           | 0.000000e+00  |
| factor(causa_ira)2:fek | 0.475 | 2.844200e+01  | 3.675000e+00  |
| factor(causa_ira)1:su  | 0.000 | Inf           | 1.370294e+221 |
| factor(causa_ira)2:su  | 0.839 | 1.245000e+00  | 1.022000e+00  |

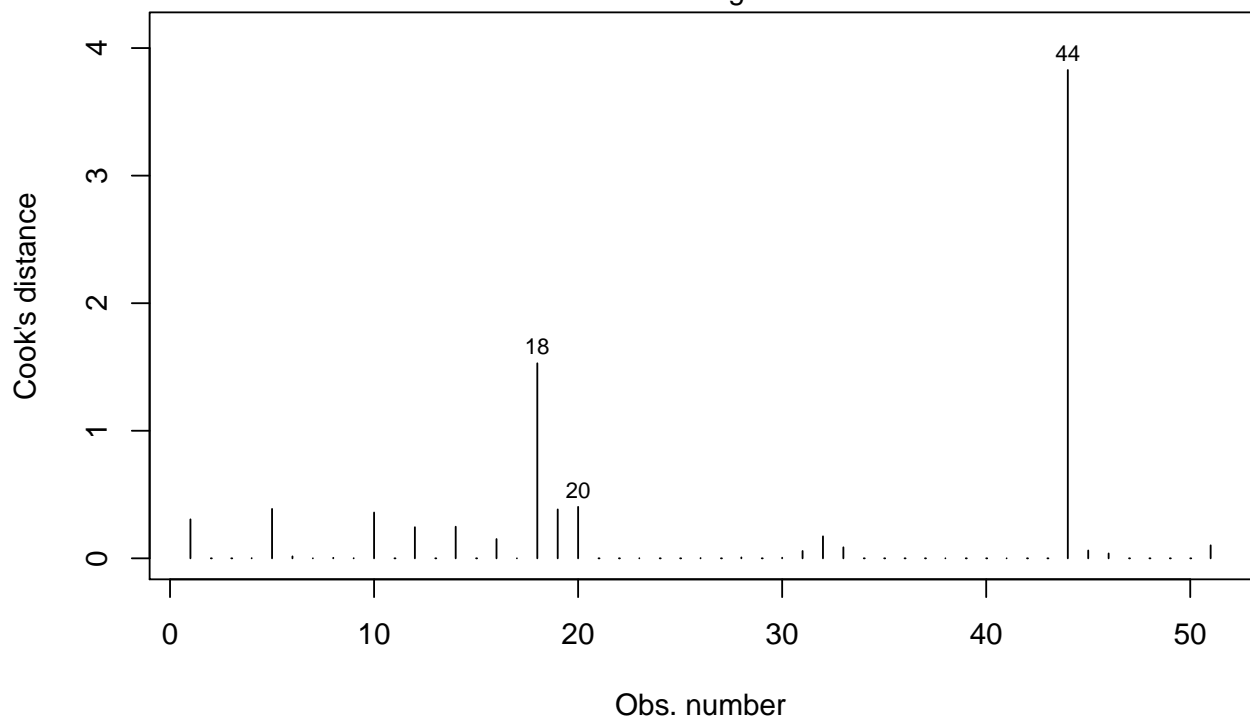
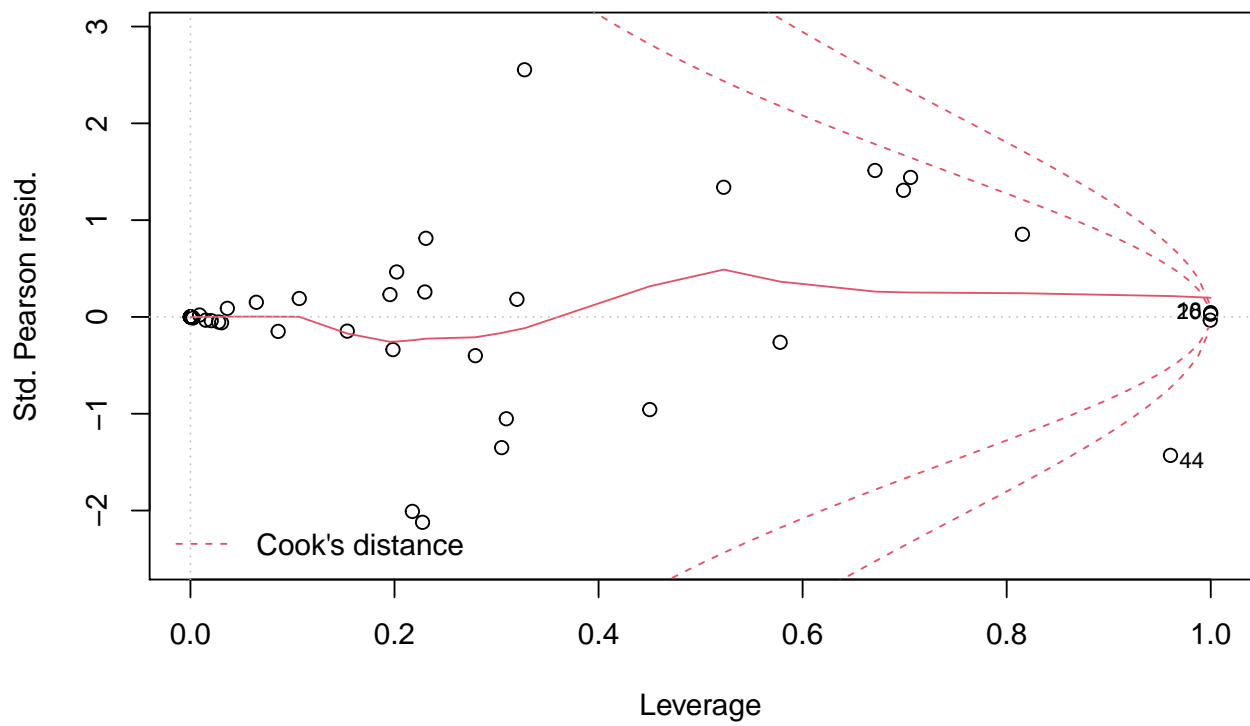
Table 8: Classifier metrics

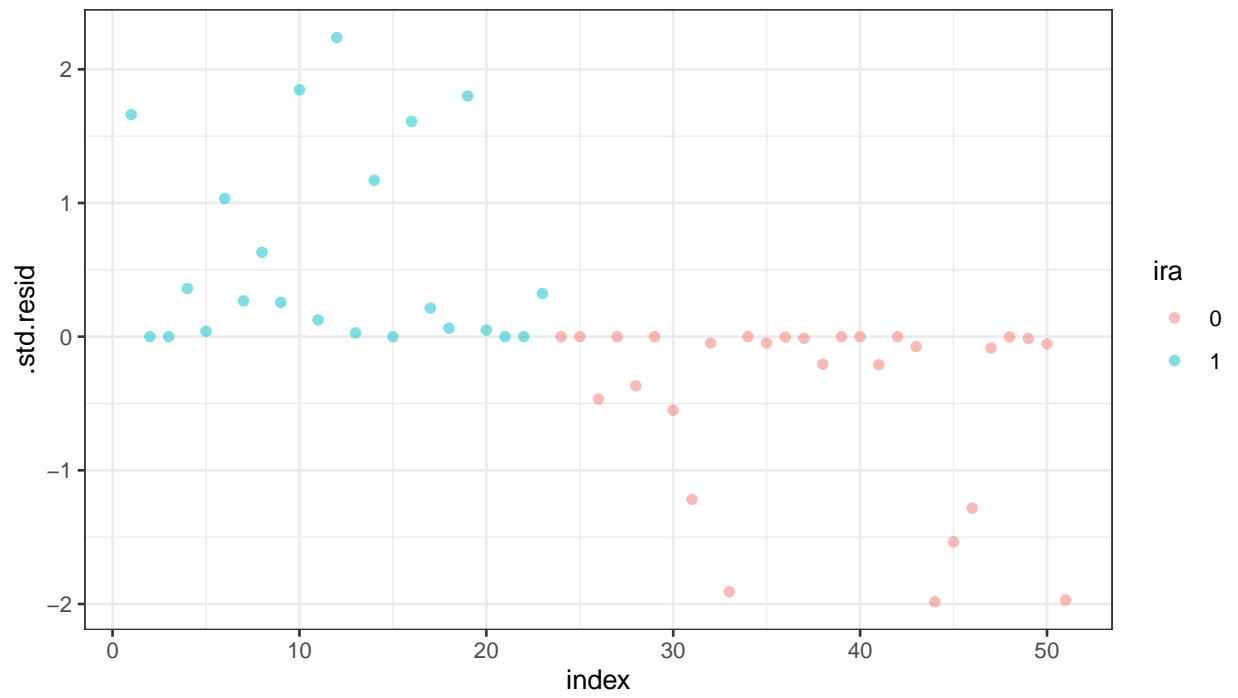
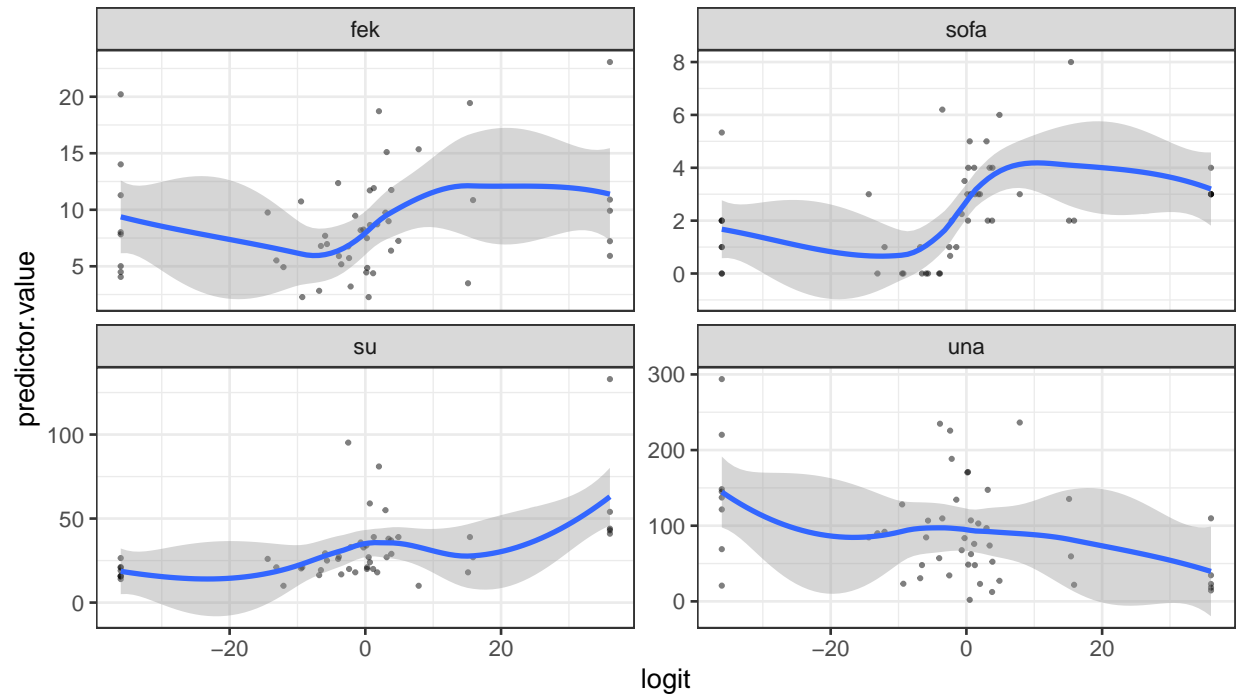
|           | threshold | specificity | sensitivity | fpr   |
|-----------|-----------|-------------|-------------|-------|
| threshold | 0.486     | 0.893       | 0.957       | 0.107 |











## Forwards

Table 9: Model summary

| term        | estimate | std.error | statistic | p.value |
|-------------|----------|-----------|-----------|---------|
| (Intercept) | -2.897   | 0.878     | -3.300    | 0.001   |
| sofa        | 0.697    | 0.241     | 2.890     | 0.004   |
| su          | 0.032    | 0.020     | 1.613     | 0.107   |

Table 10: Model details

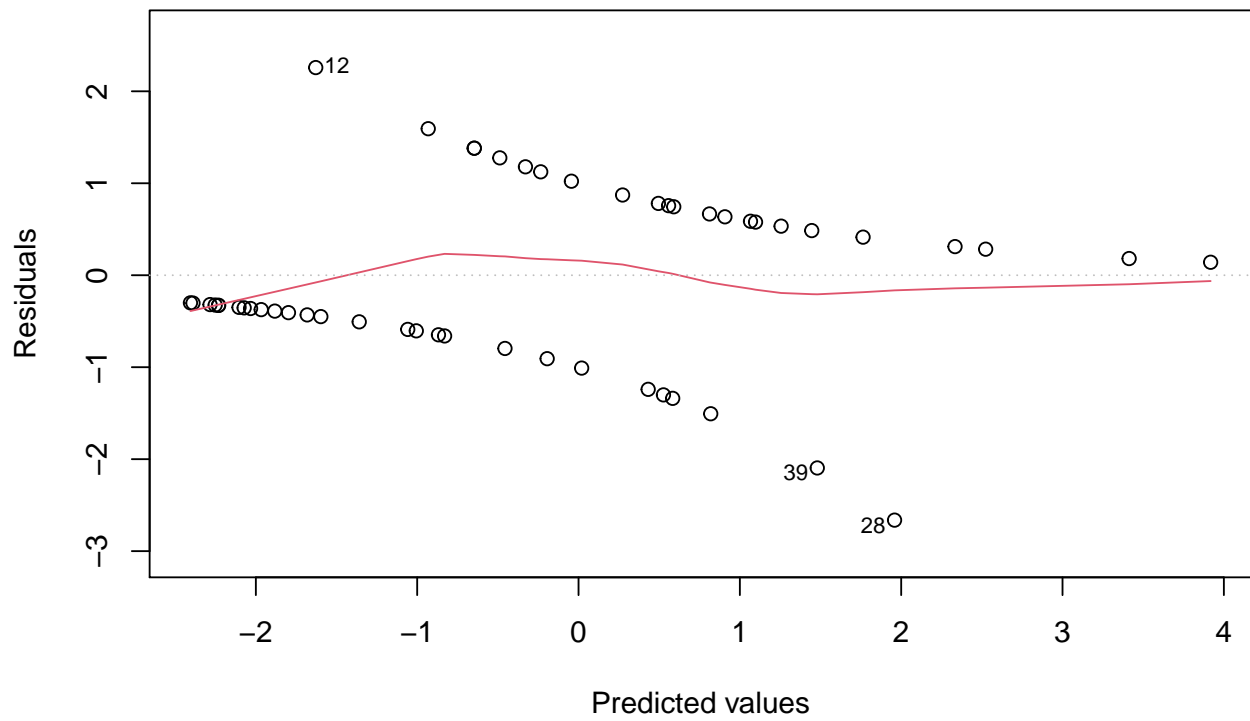
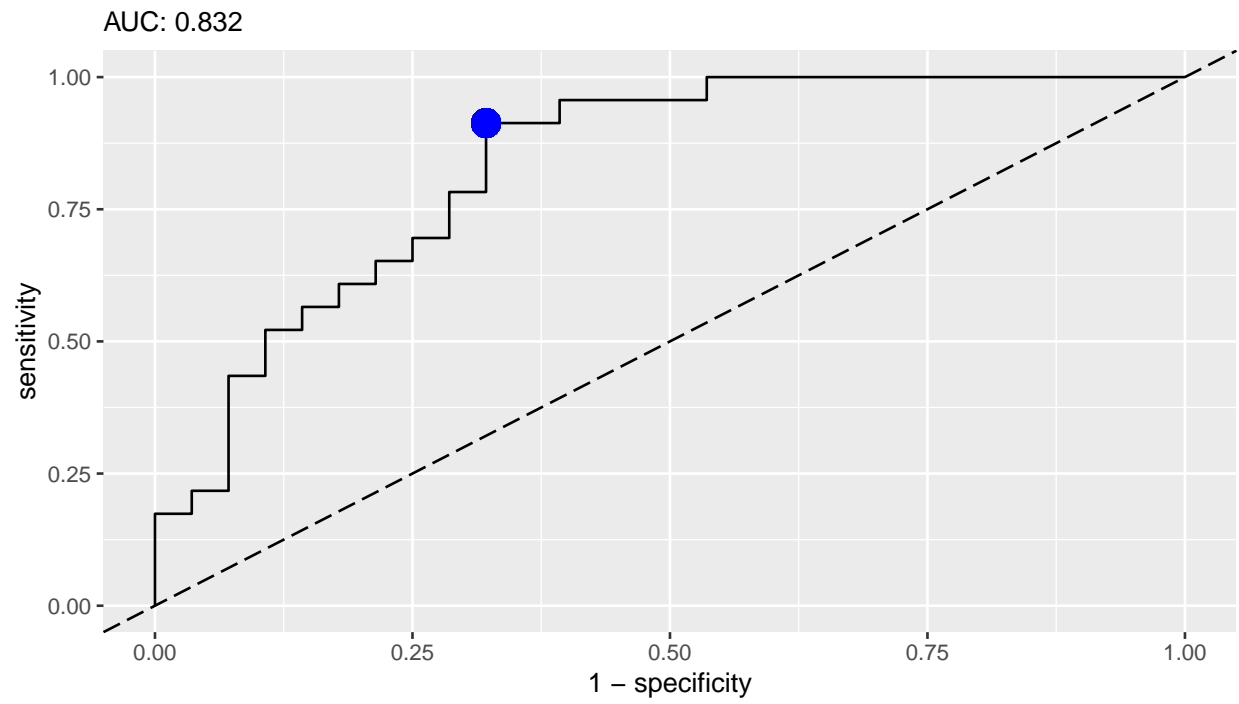
| null.deviance | df.null | logLik  | AIC    | BIC    | deviance | df.residual | nobs |
|---------------|---------|---------|--------|--------|----------|-------------|------|
| 70.21         | 50      | -25.613 | 57.226 | 63.021 | 51.226   | 48          | 51   |

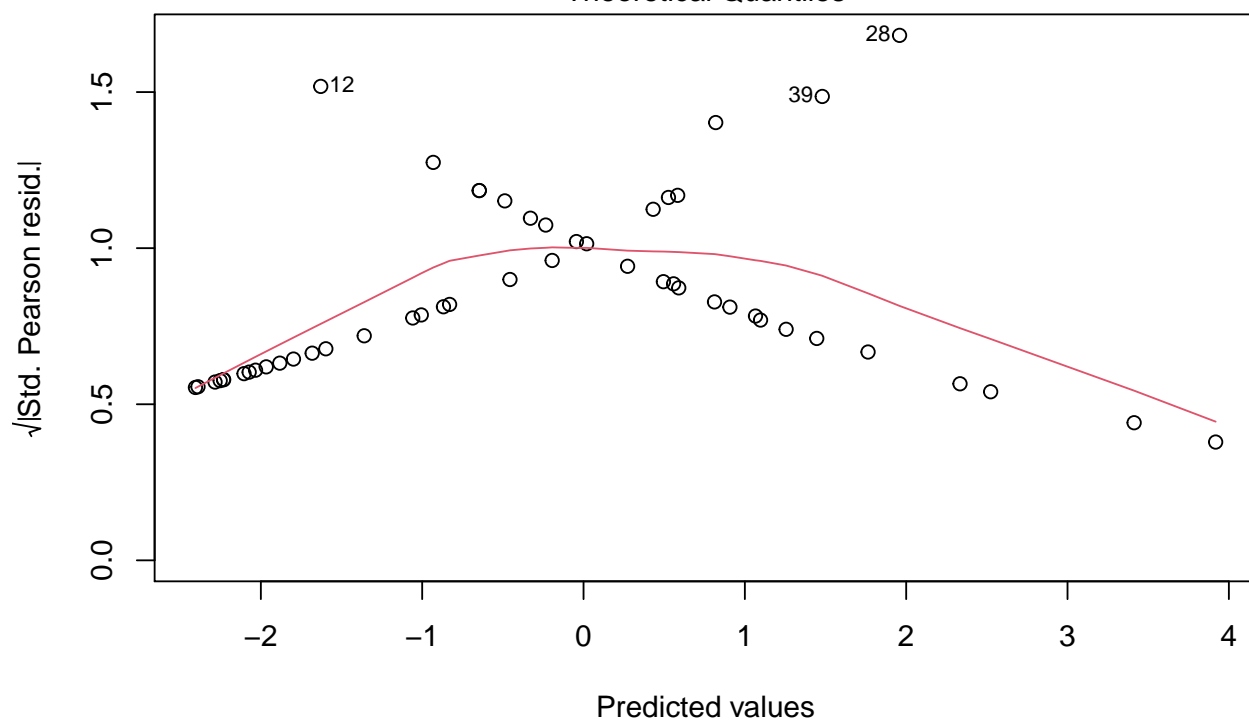
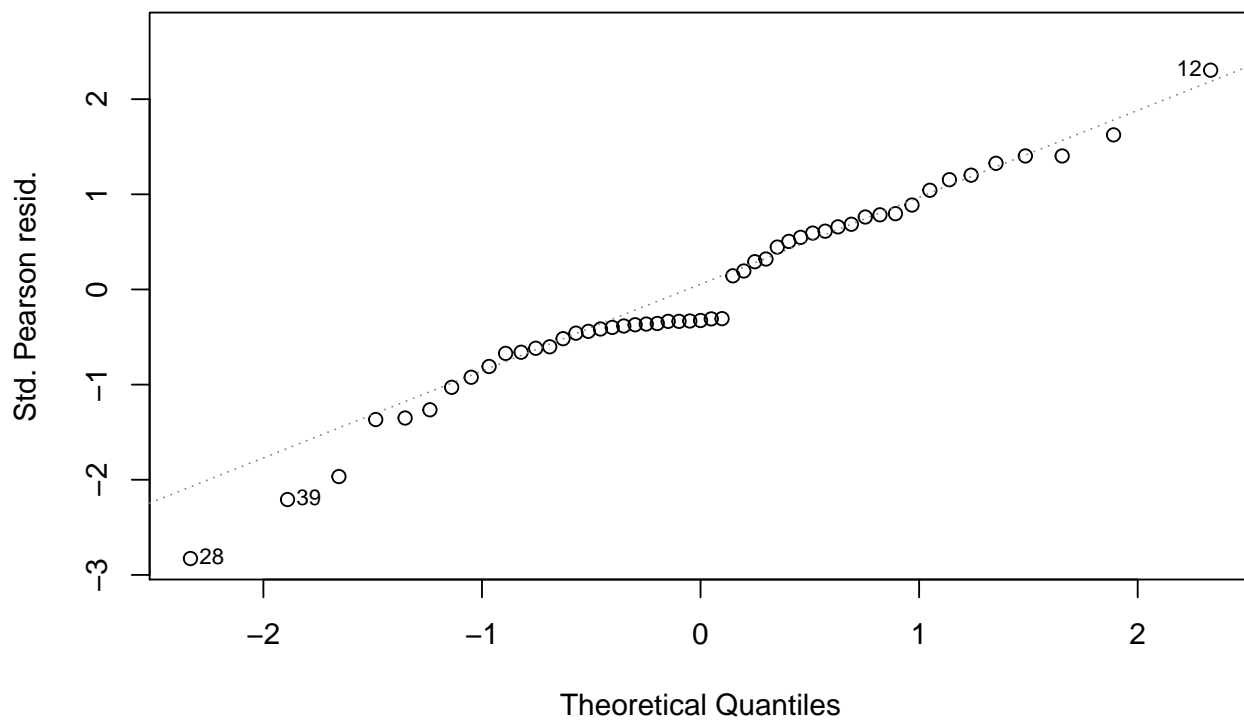
Table 11: Confidence intervals

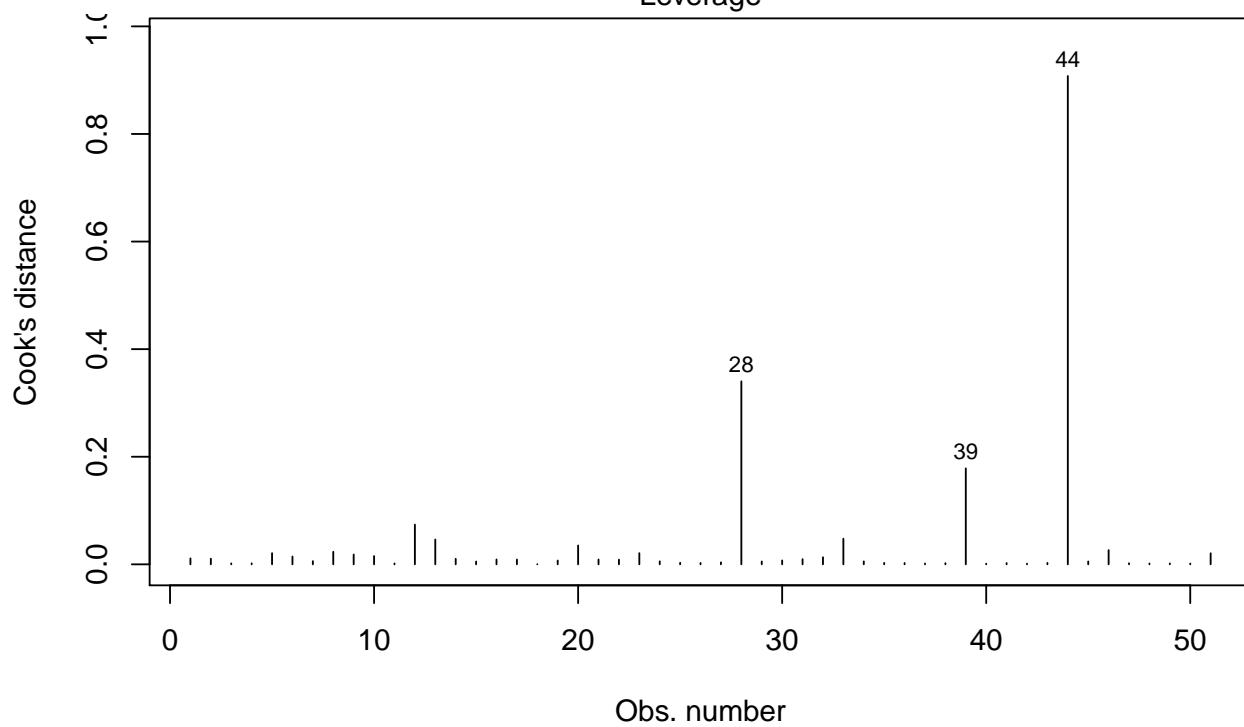
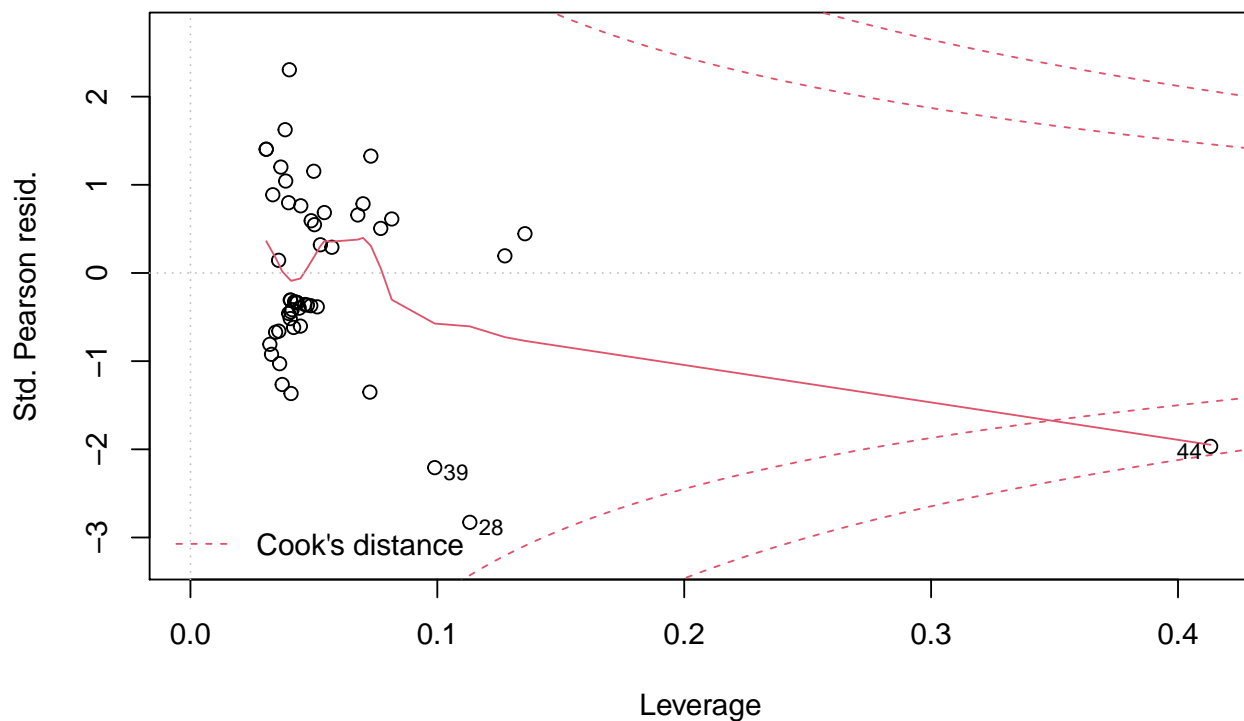
| variável    | 2.5 % | 97.5 % | estimativa |
|-------------|-------|--------|------------|
| (Intercept) | 0.010 | 0.308  | 0.055      |
| sofa        | 1.251 | 3.223  | 2.008      |
| su          | 0.993 | 1.073  | 1.032      |

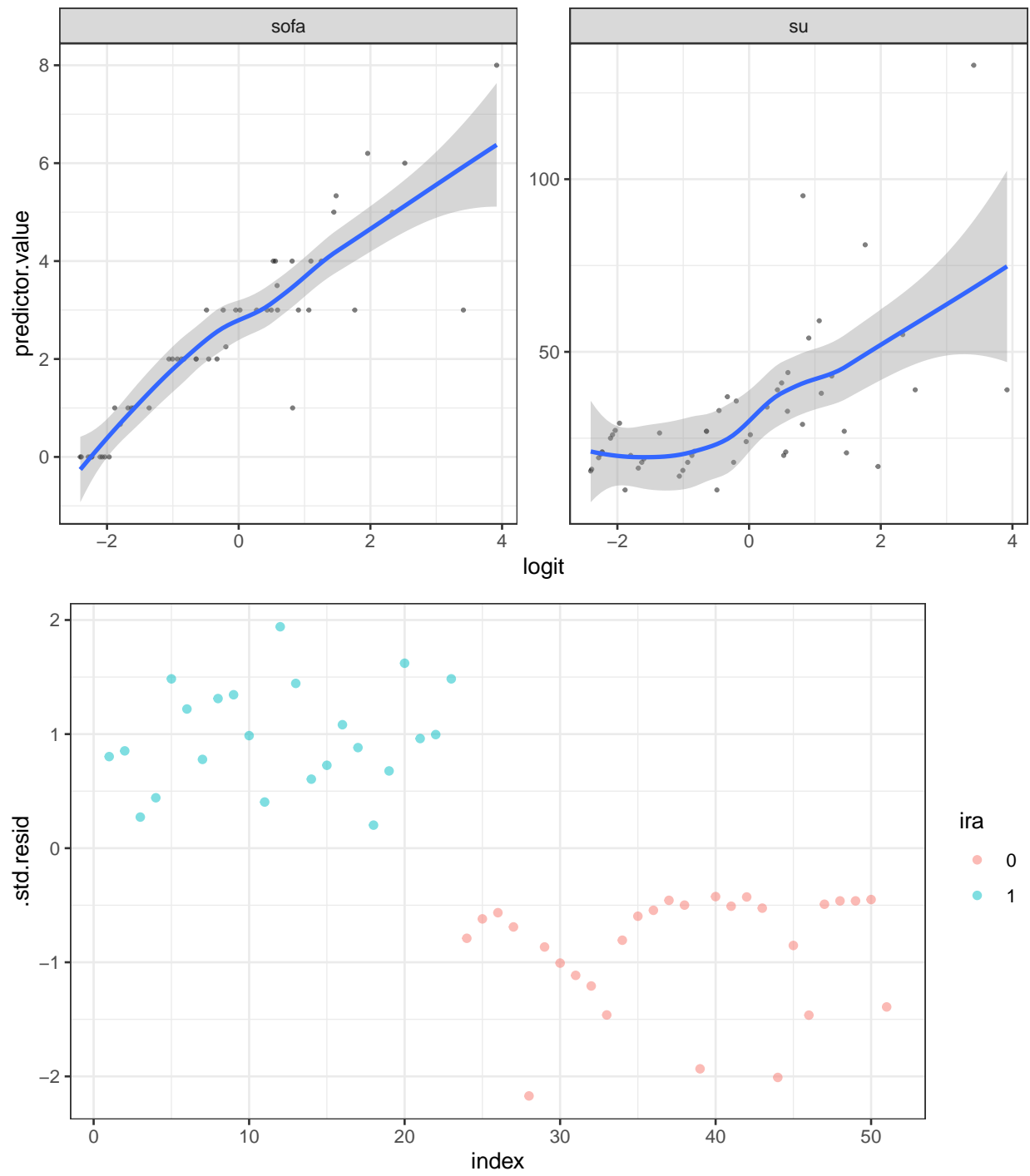
Table 12: Classifier metrics

|           | threshold | specificity | sensitivity | fpr   |
|-----------|-----------|-------------|-------------|-------|
| threshold | 0.324     | 0.679       | 0.913       | 0.321 |











## Stepwise

Table 13: Model summary

| term        | estimate | std.error | statistic | p.value |
|-------------|----------|-----------|-----------|---------|
| (Intercept) | -2.897   | 0.878     | -3.300    | 0.001   |
| sofa        | 0.697    | 0.241     | 2.890     | 0.004   |
| su          | 0.032    | 0.020     | 1.613     | 0.107   |

Table 14: Model details

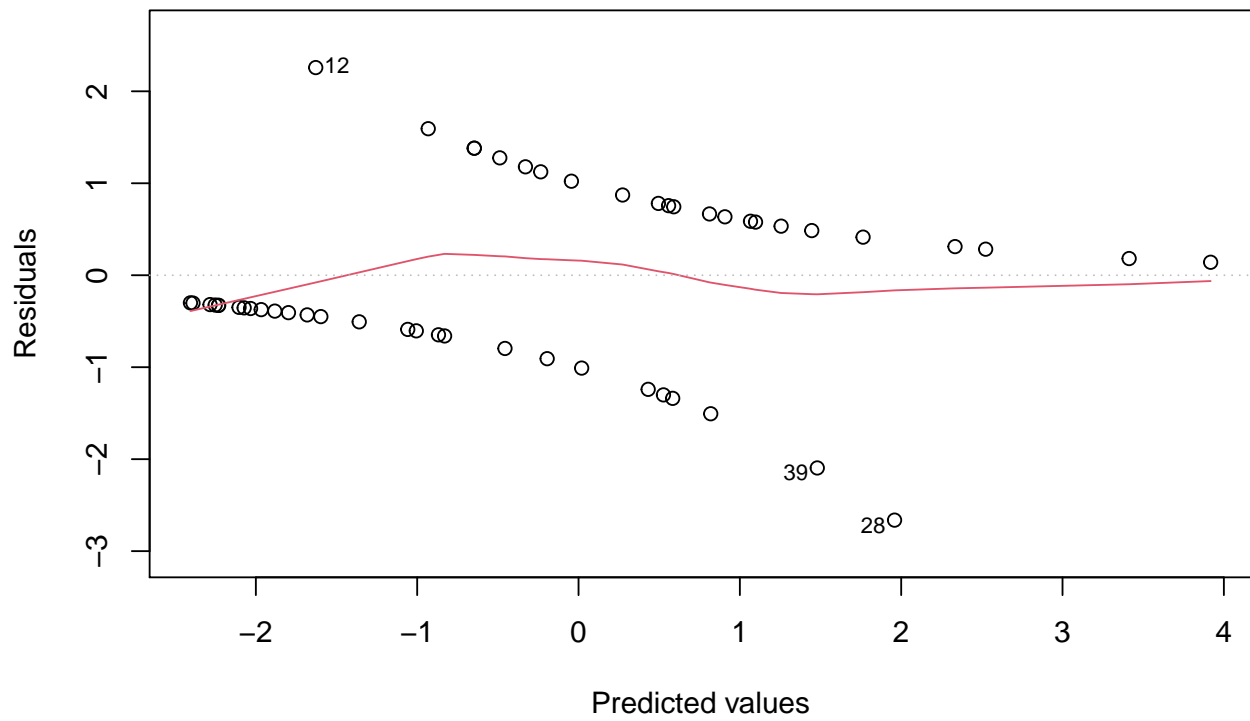
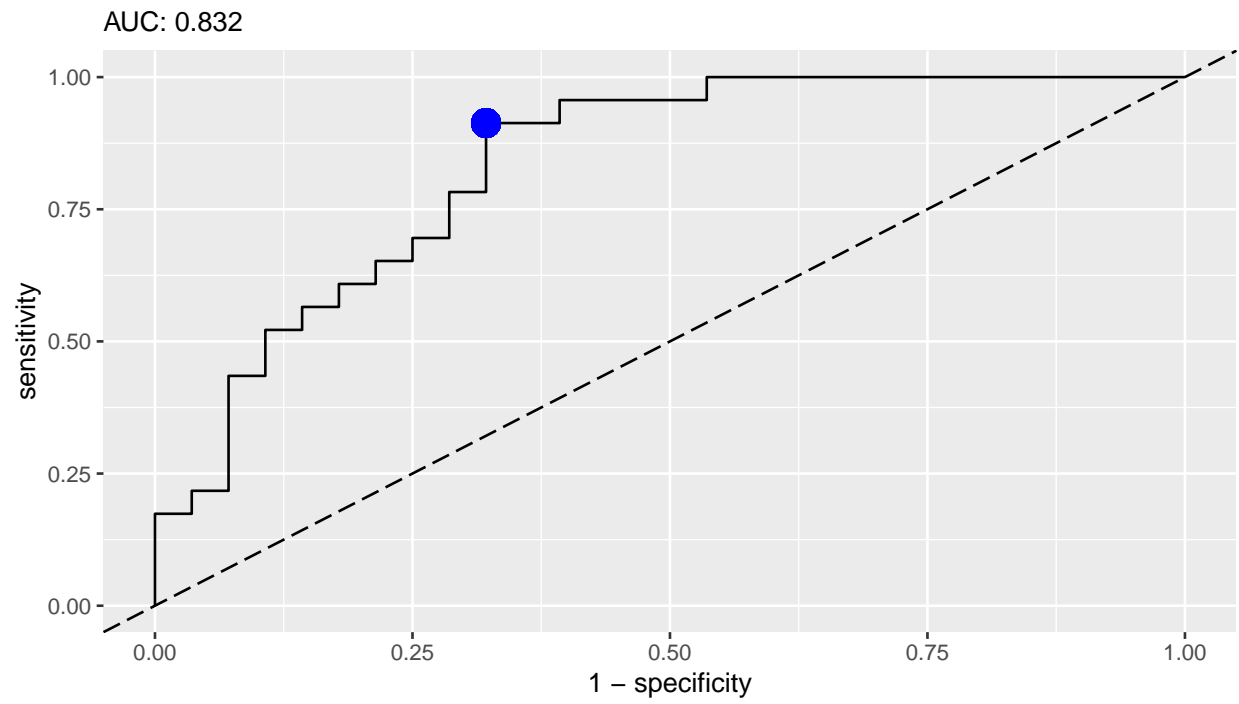
| null.deviance | df.null | logLik  | AIC    | BIC    | deviance | df.residual | nobs |
|---------------|---------|---------|--------|--------|----------|-------------|------|
| 70.21         | 50      | -25.613 | 57.226 | 63.021 | 51.226   | 48          | 51   |

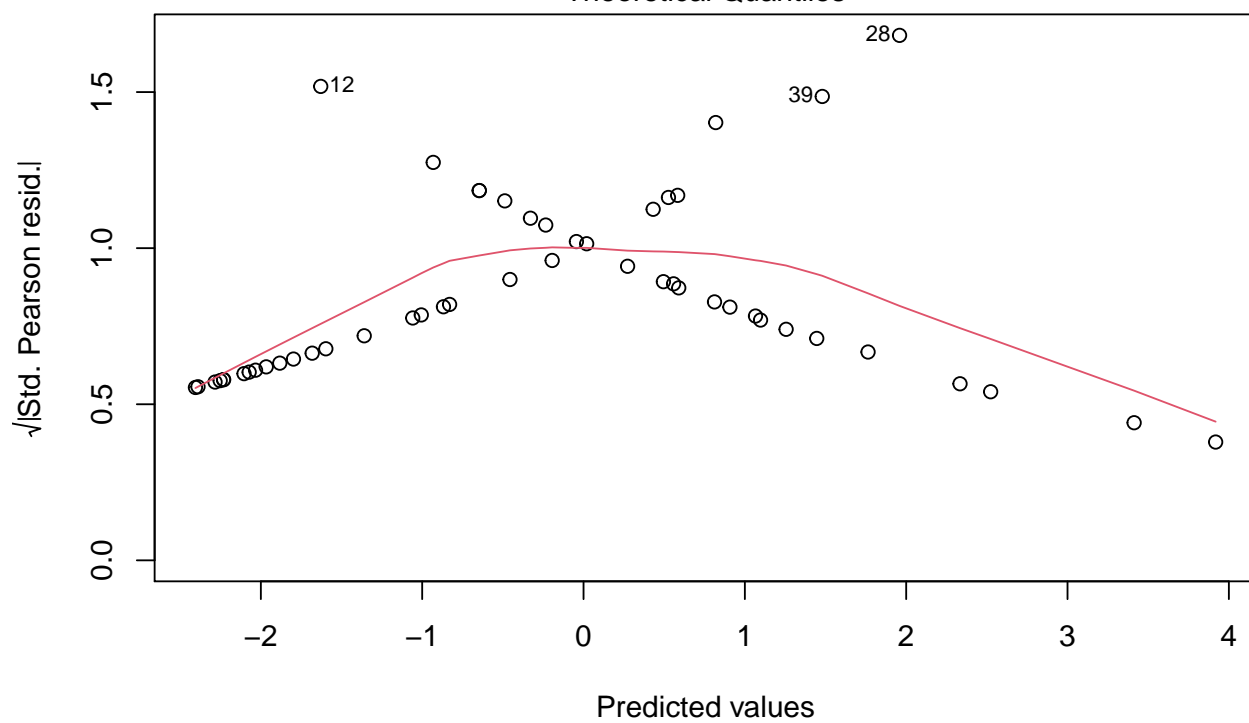
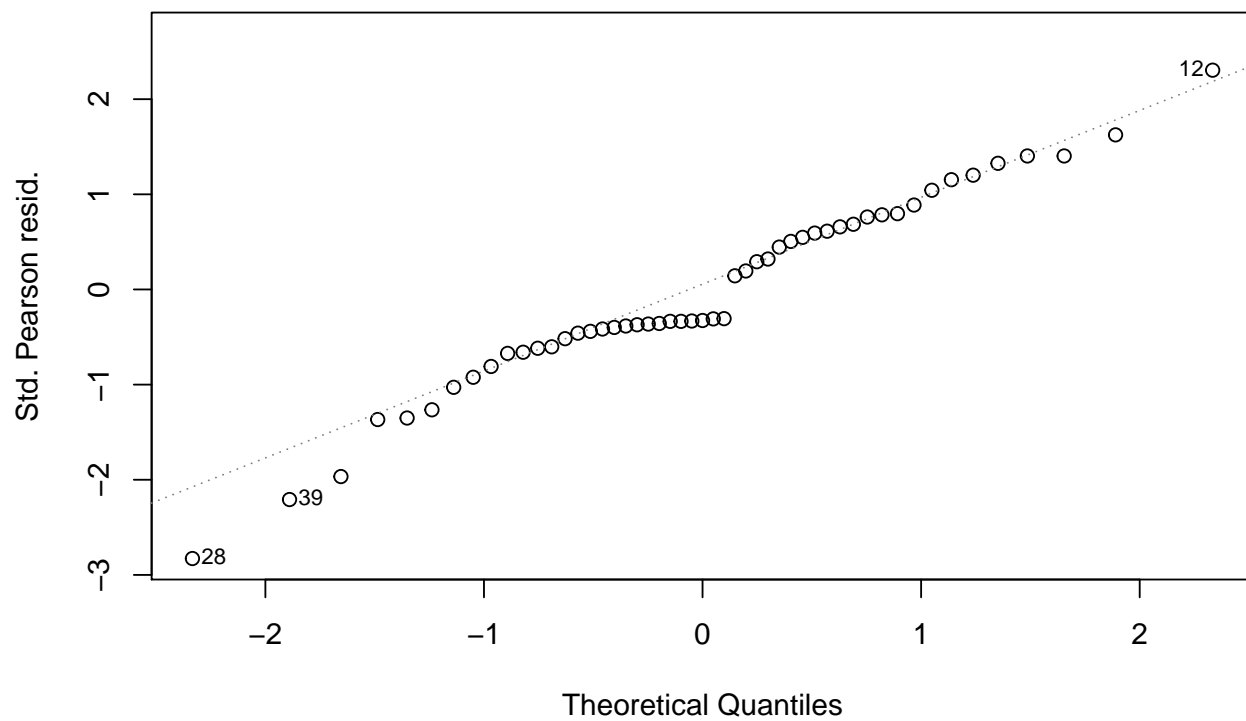
Table 15: Confidence intervals

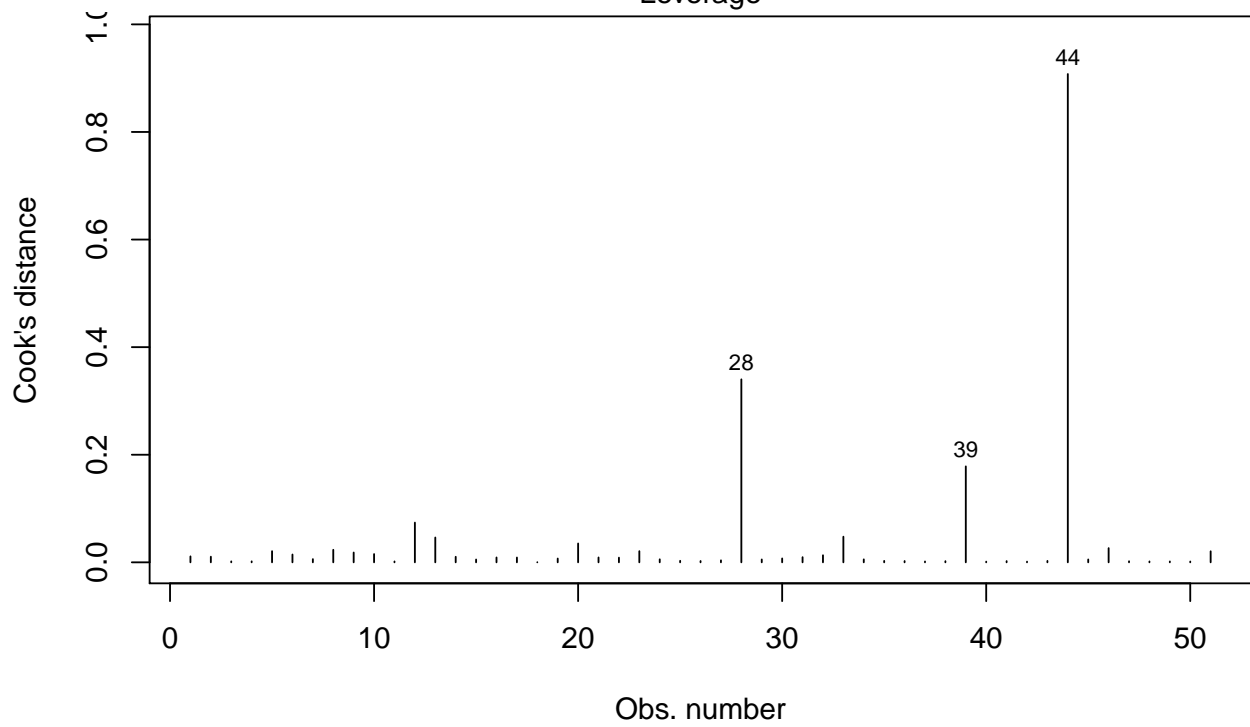
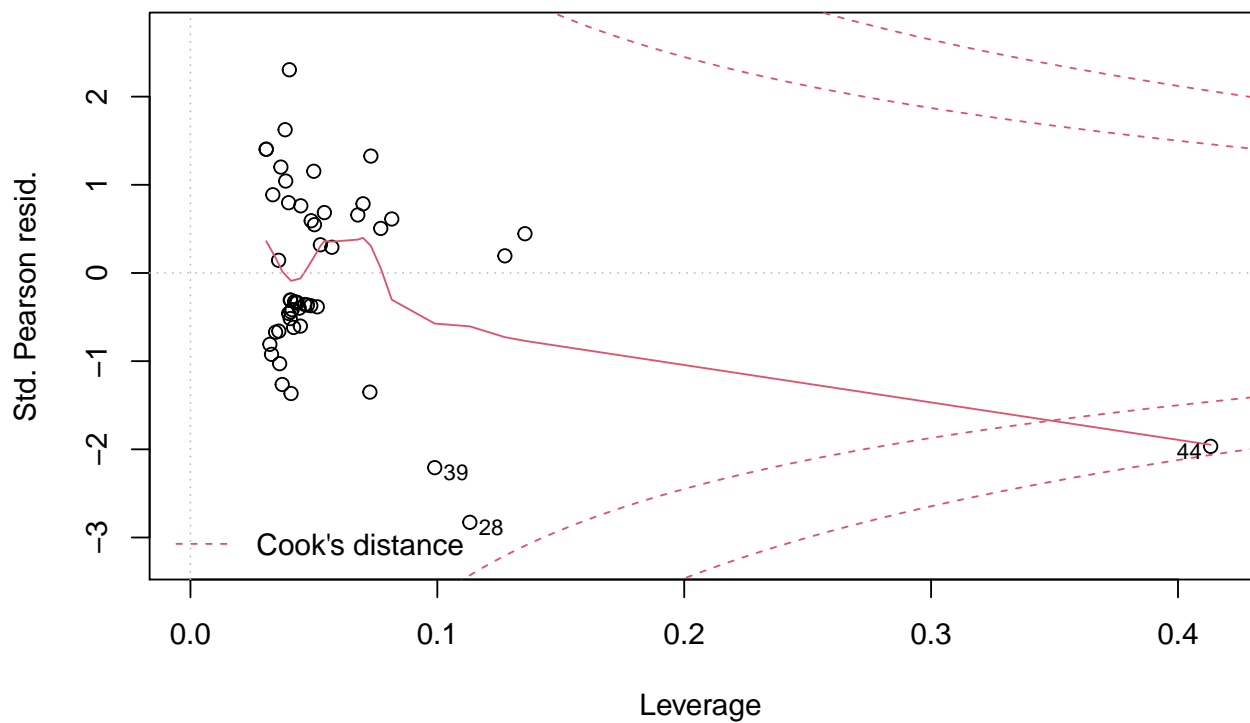
| variável    | 2.5 % | 97.5 % | estimativa |
|-------------|-------|--------|------------|
| (Intercept) | 0.010 | 0.308  | 0.055      |
| sofa        | 1.251 | 3.223  | 2.008      |
| su          | 0.993 | 1.073  | 1.032      |

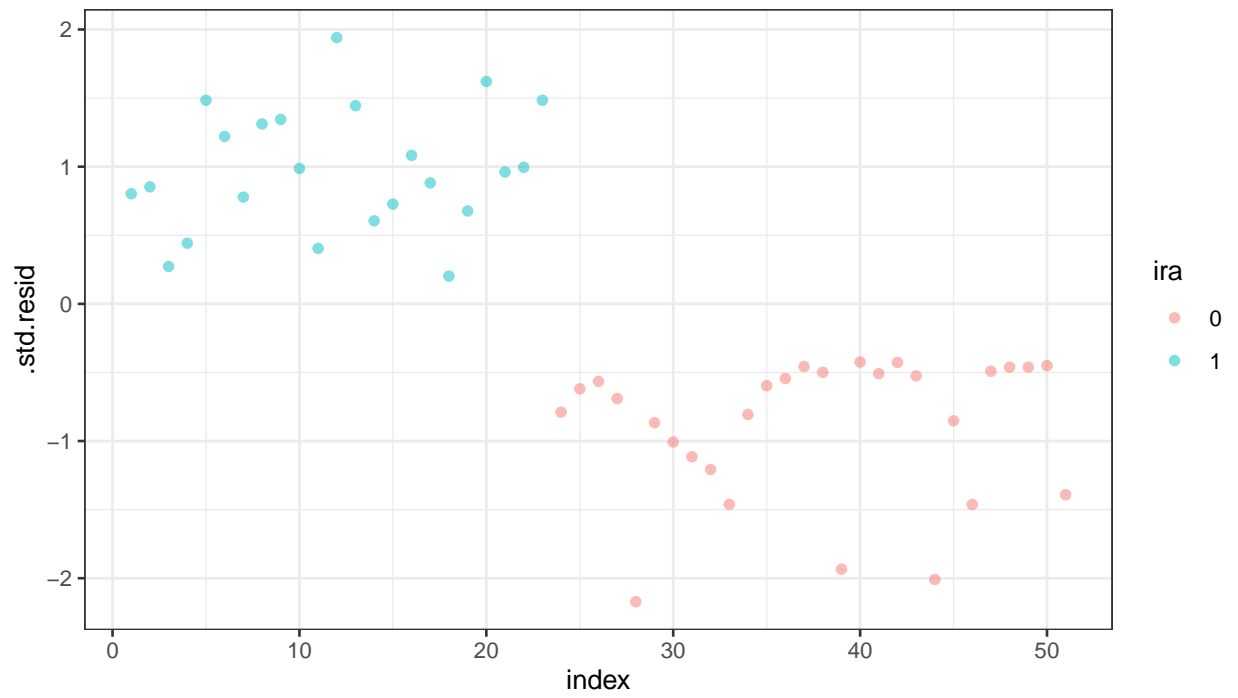
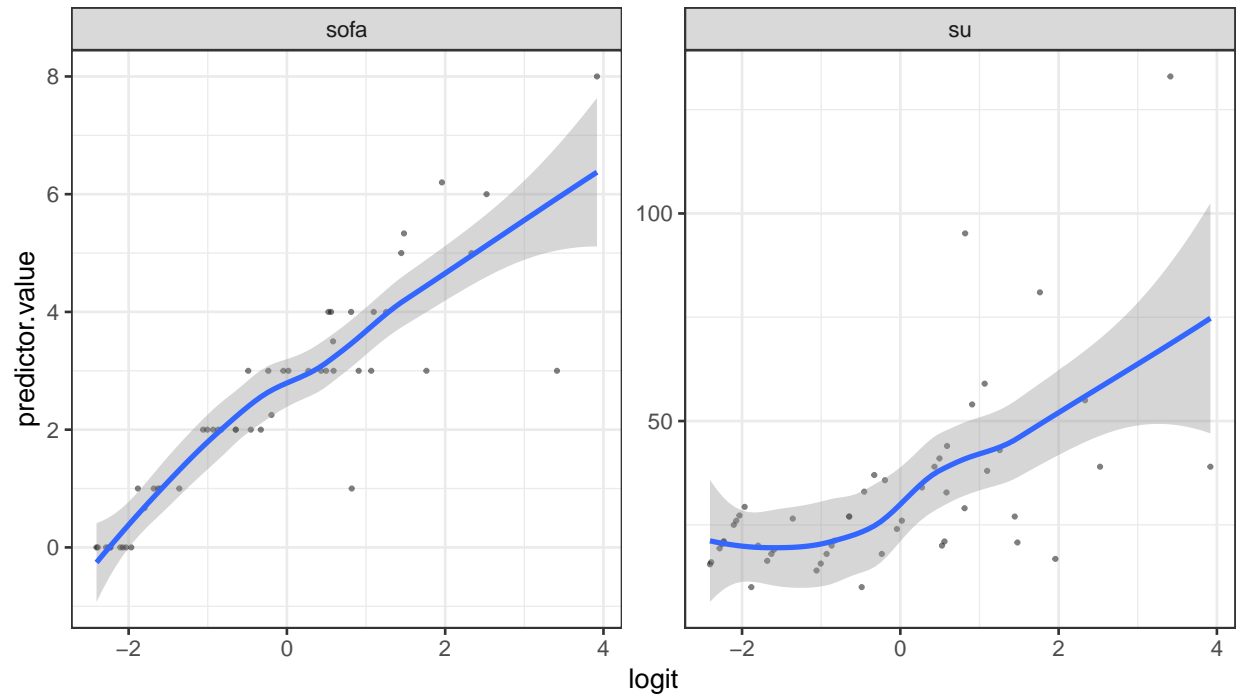
Table 16: Classifier metrics

|           | threshold | specificity | sensitivity | fpr   |
|-----------|-----------|-------------|-------------|-------|
| threshold | 0.324     | 0.679       | 0.913       | 0.321 |









## Union model

Table 17: Model summary

| term        | estimate | std.error | statistic | p.value |
|-------------|----------|-----------|-----------|---------|
| (Intercept) | -2.857   | 1.590     | -1.797    | 0.072   |
| causa_ira1  | -0.720   | 0.893     | -0.807    | 0.420   |
| causa_ira2  | -1.463   | 1.050     | -1.393    | 0.164   |
| sofa        | 0.762    | 0.254     | 3.003     | 0.003   |
| una         | -0.006   | 0.007     | -0.968    | 0.333   |
| fek         | 0.119    | 0.098     | 1.212     | 0.225   |
| su          | 0.032    | 0.025     | 1.311     | 0.190   |

Table 18: Model details

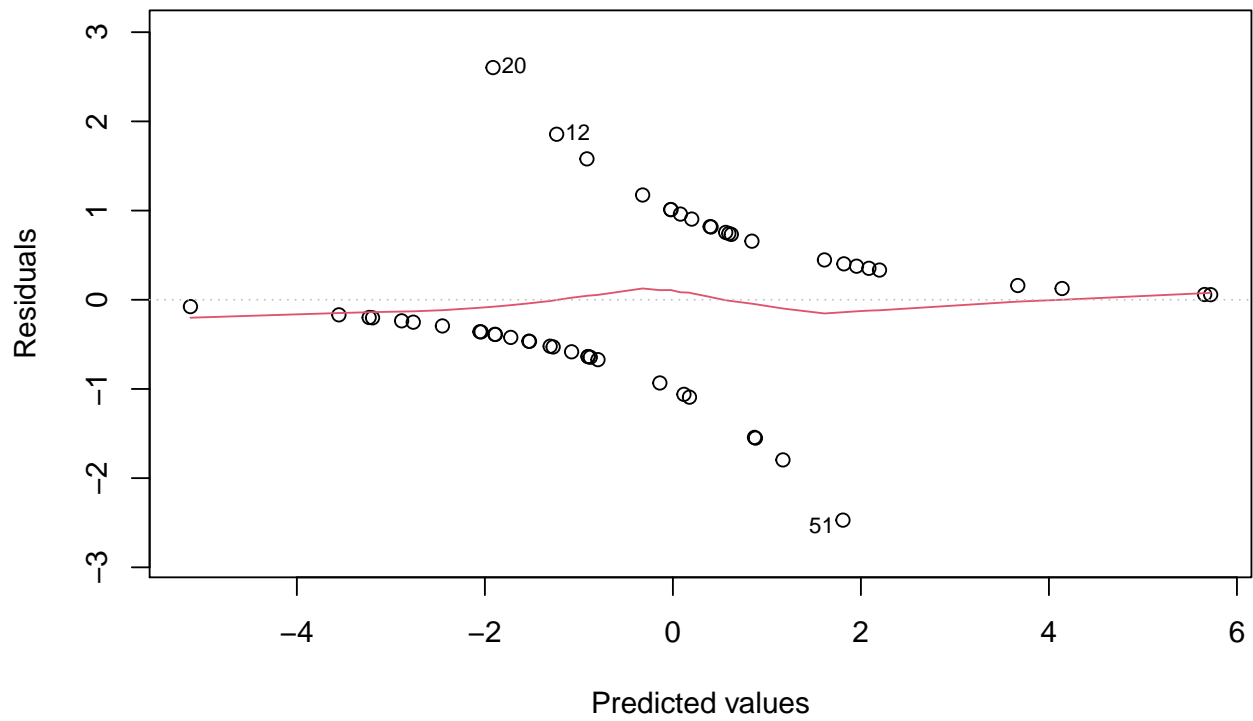
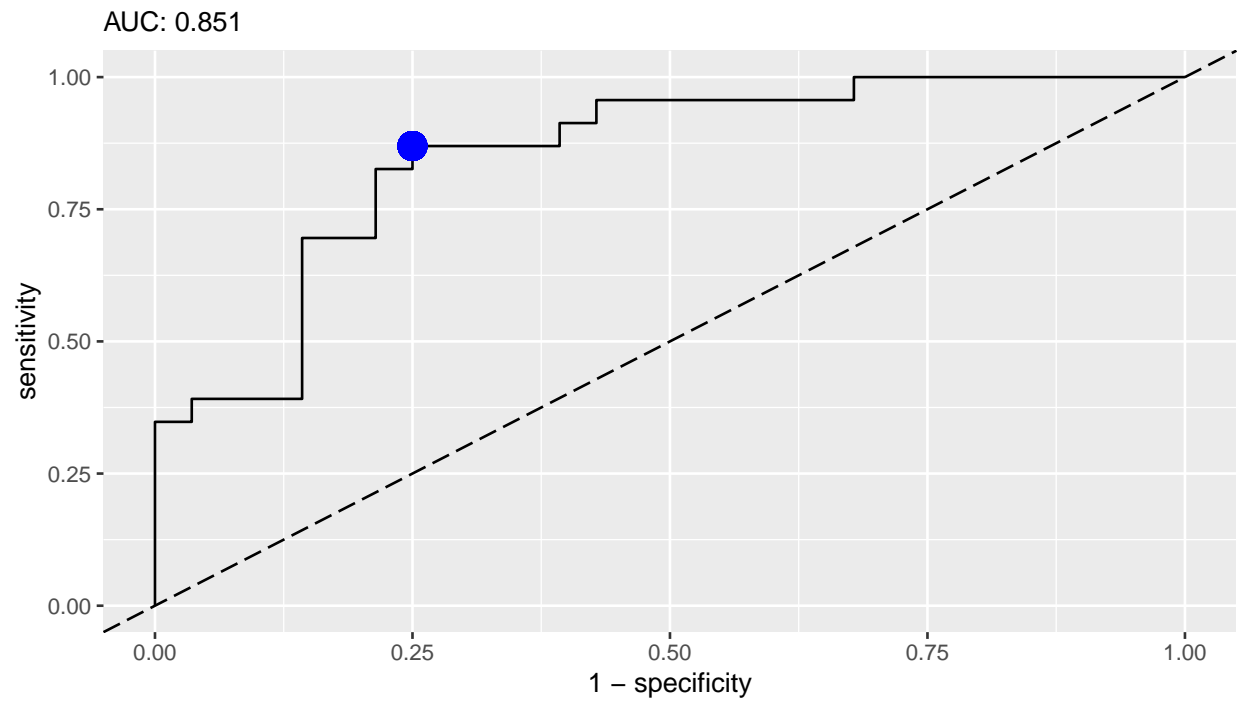
| null.deviance | df.null | logLik  | AIC    | BIC    | deviance | df.residual | nobs |
|---------------|---------|---------|--------|--------|----------|-------------|------|
| 70.21         | 50      | -23.343 | 60.687 | 74.209 | 46.687   | 44          | 51   |

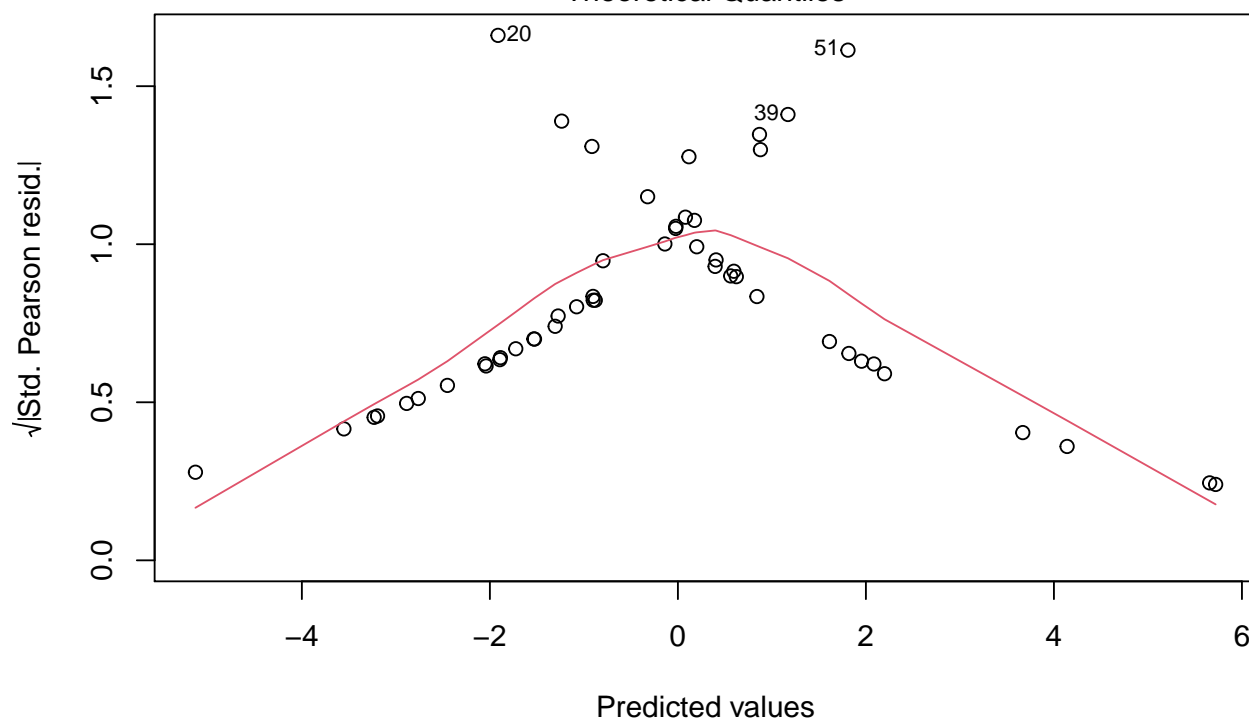
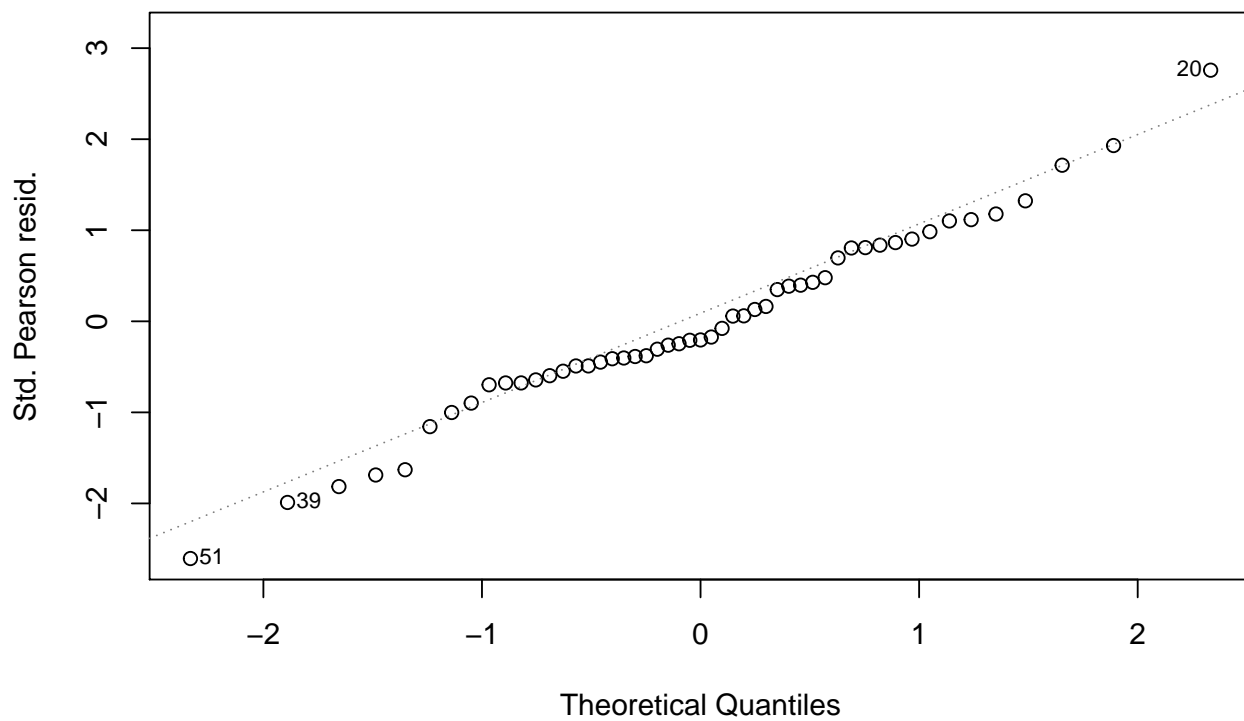
Table 19: Confidence intervals

| variável    | 2.5 % | 97.5 % | estimativa |
|-------------|-------|--------|------------|
| (Intercept) | 0.003 | 1.296  | 0.057      |
| causa_ira1  | 0.085 | 2.801  | 0.487      |
| causa_ira2  | 0.030 | 1.814  | 0.232      |
| sofa        | 1.303 | 3.521  | 2.142      |
| una         | 0.981 | 1.007  | 0.994      |
| fek         | 0.929 | 1.366  | 1.127      |
| su          | 0.984 | 1.084  | 1.033      |

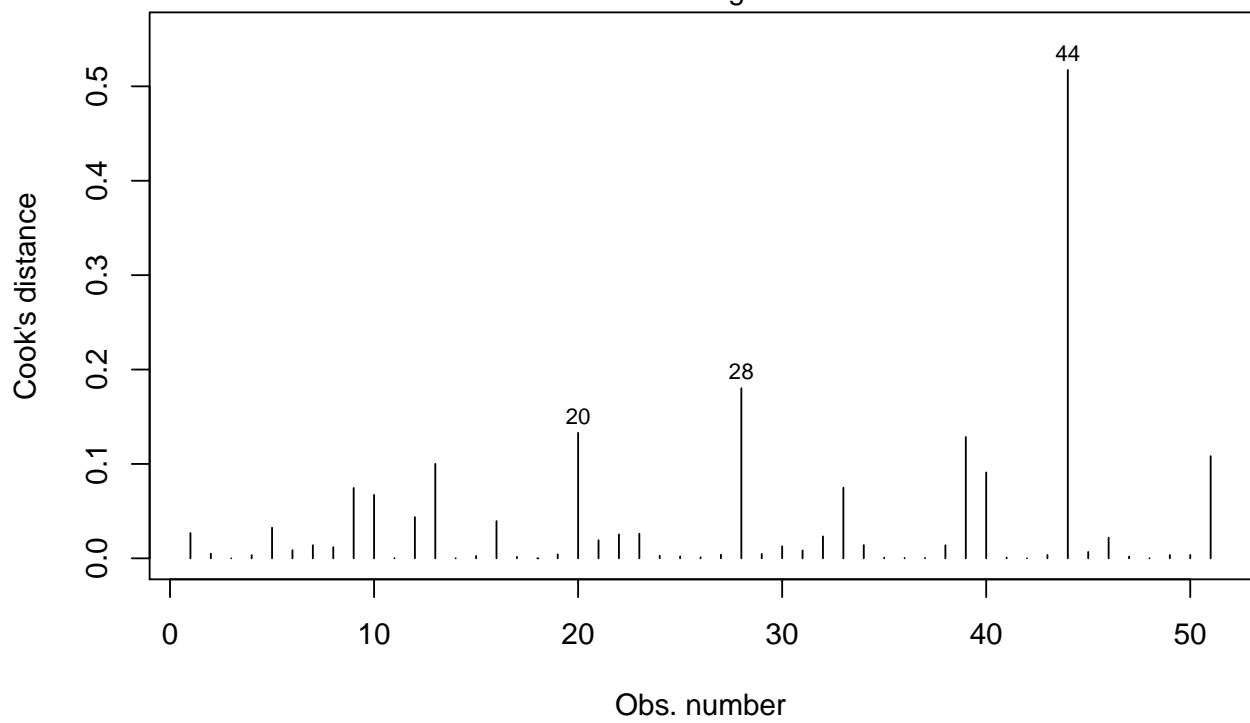
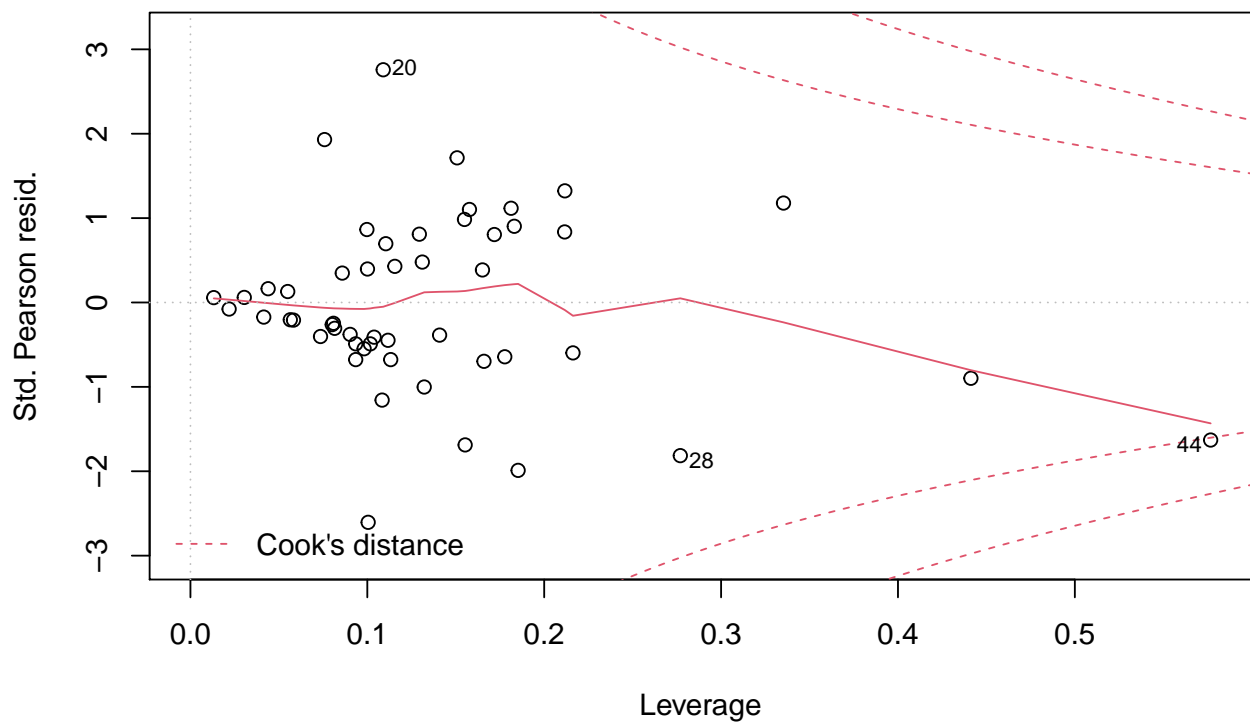
Table 20: Classifier metrics

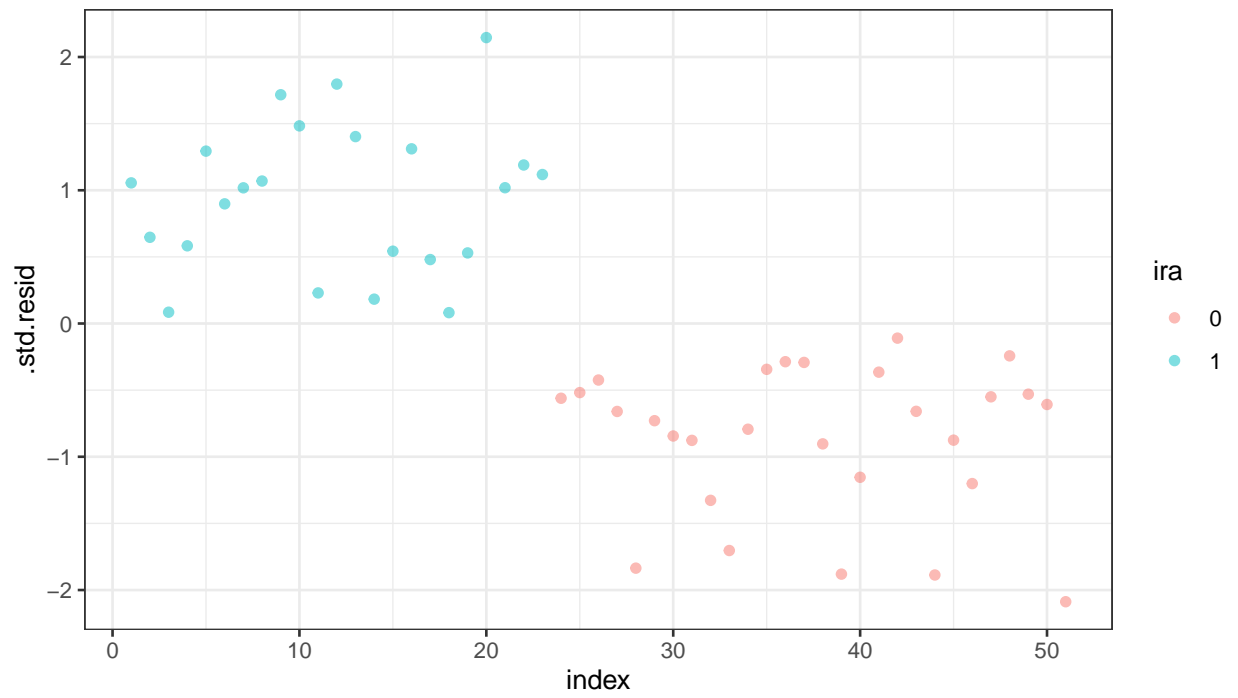
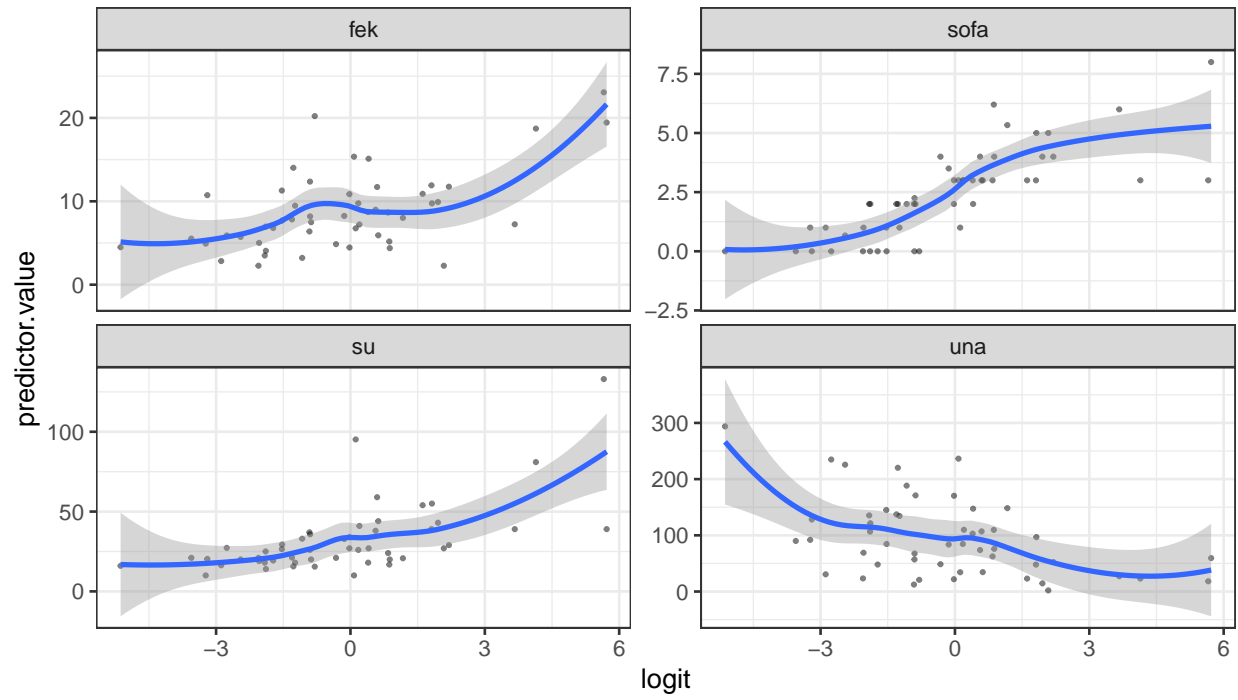
|           | threshold | specificity | sensitivity | fpr  |
|-----------|-----------|-------------|-------------|------|
| threshold | 0.365     | 0.75        | 0.87        | 0.25 |











## Intersection model

Table 21: Model summary

| term        | estimate | std.error | statistic | p.value |
|-------------|----------|-----------|-----------|---------|
| (Intercept) | -2.897   | 0.878     | -3.300    | 0.001   |
| sofa        | 0.697    | 0.241     | 2.890     | 0.004   |
| su          | 0.032    | 0.020     | 1.613     | 0.107   |

Table 22: Model details

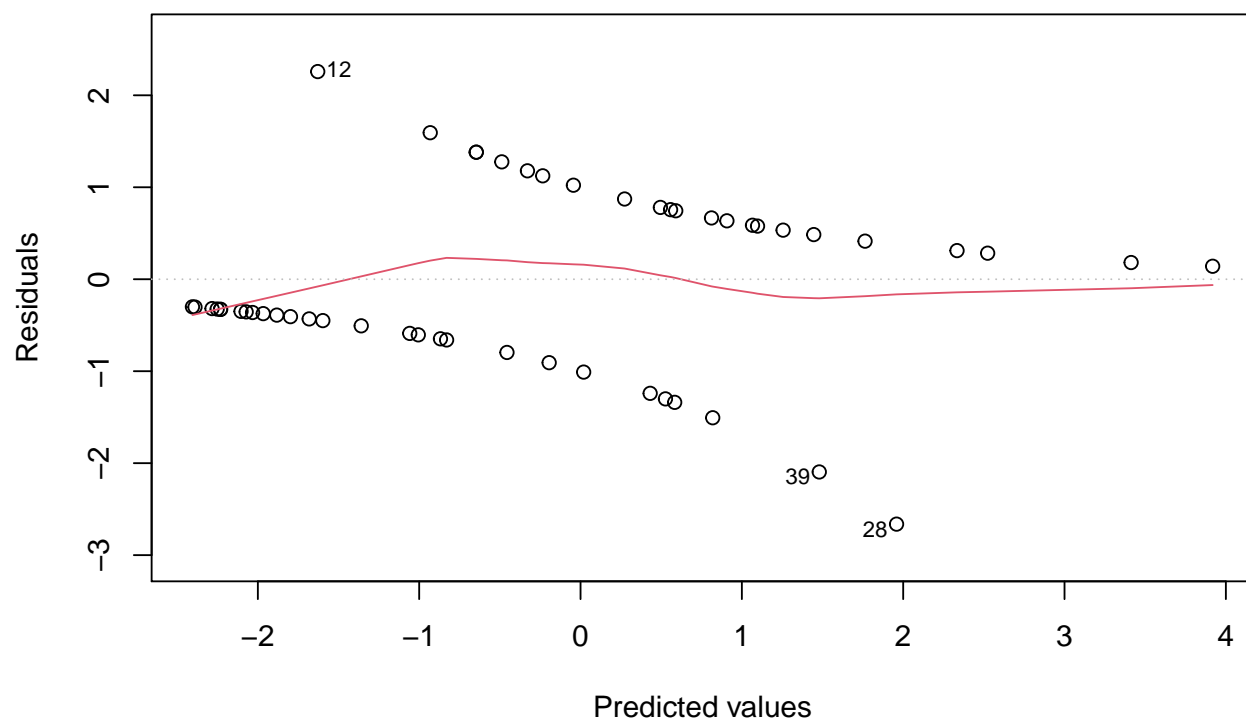
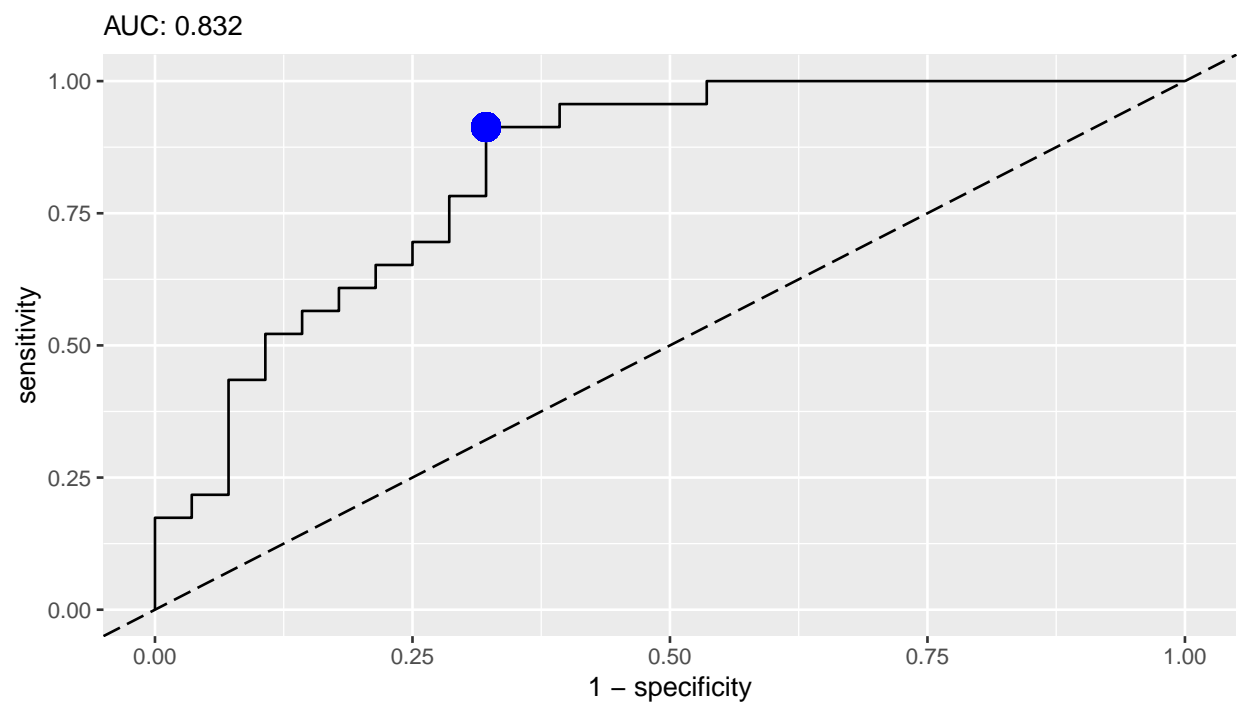
| null.deviance | df.null | logLik  | AIC    | BIC    | deviance | df.residual | nobs |
|---------------|---------|---------|--------|--------|----------|-------------|------|
| 70.21         | 50      | -25.613 | 57.226 | 63.021 | 51.226   | 48          | 51   |

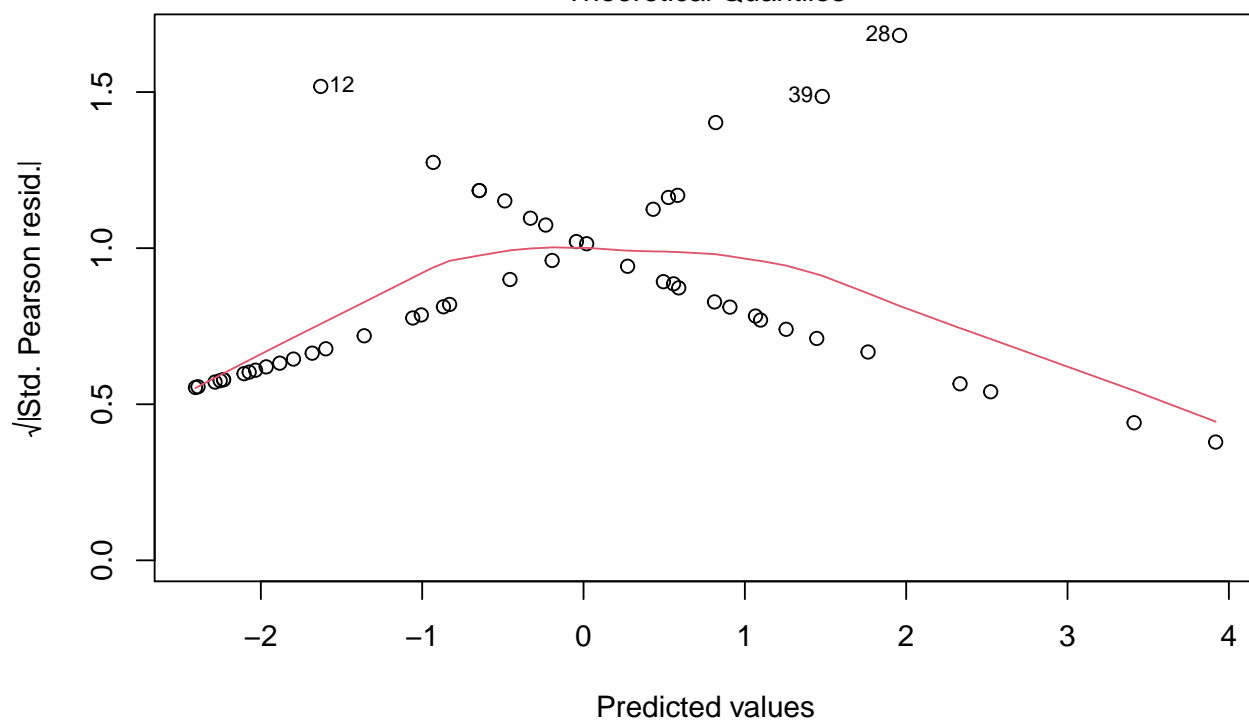
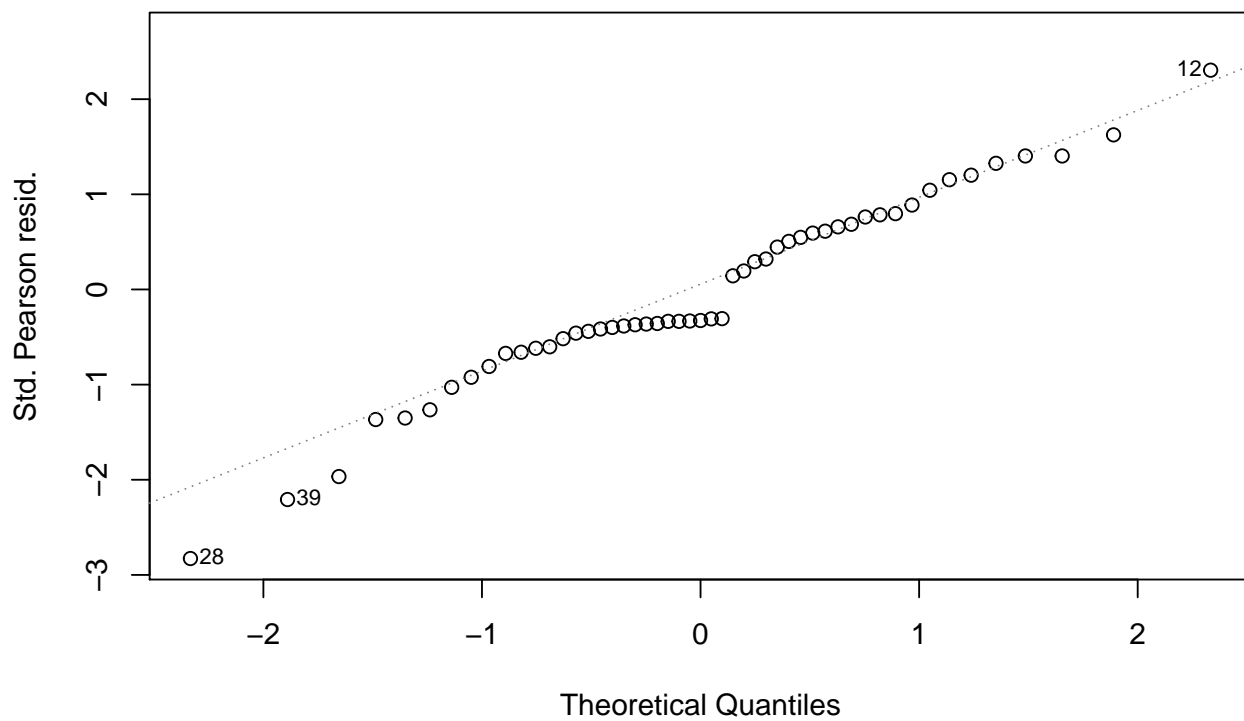
Table 23: Confidence intervals

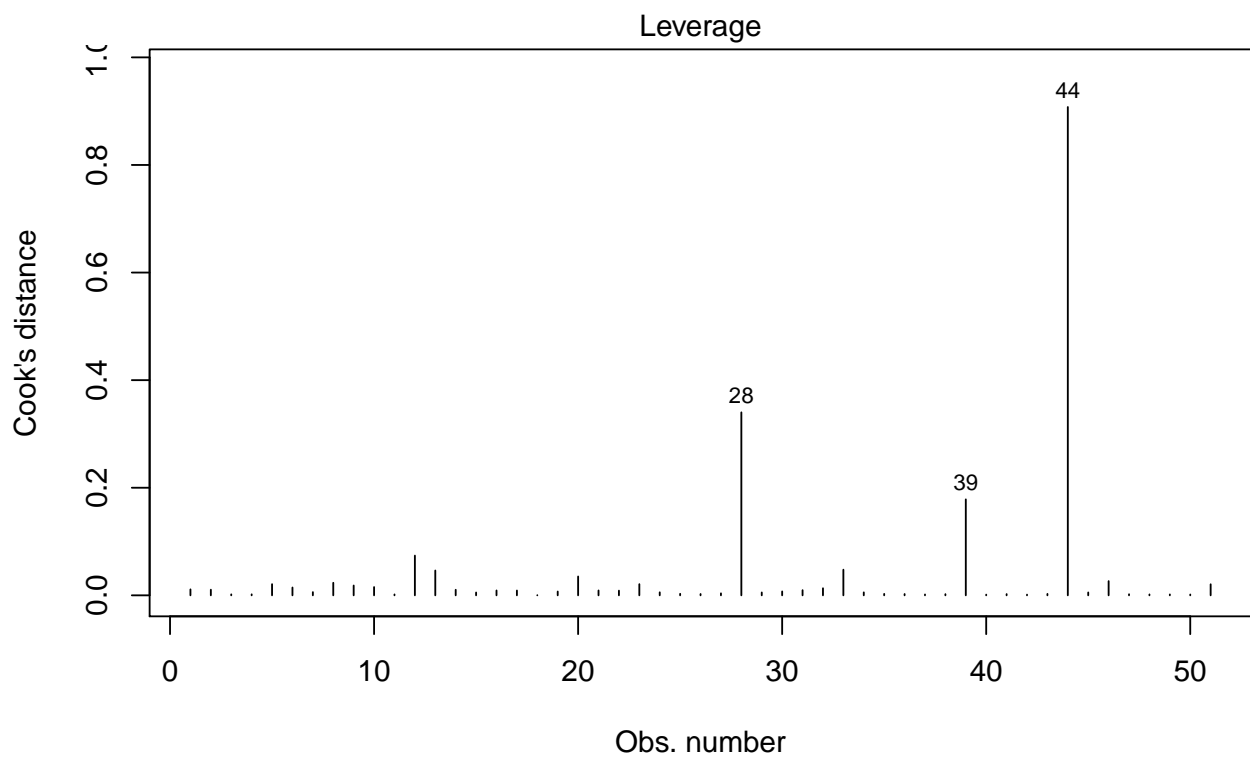
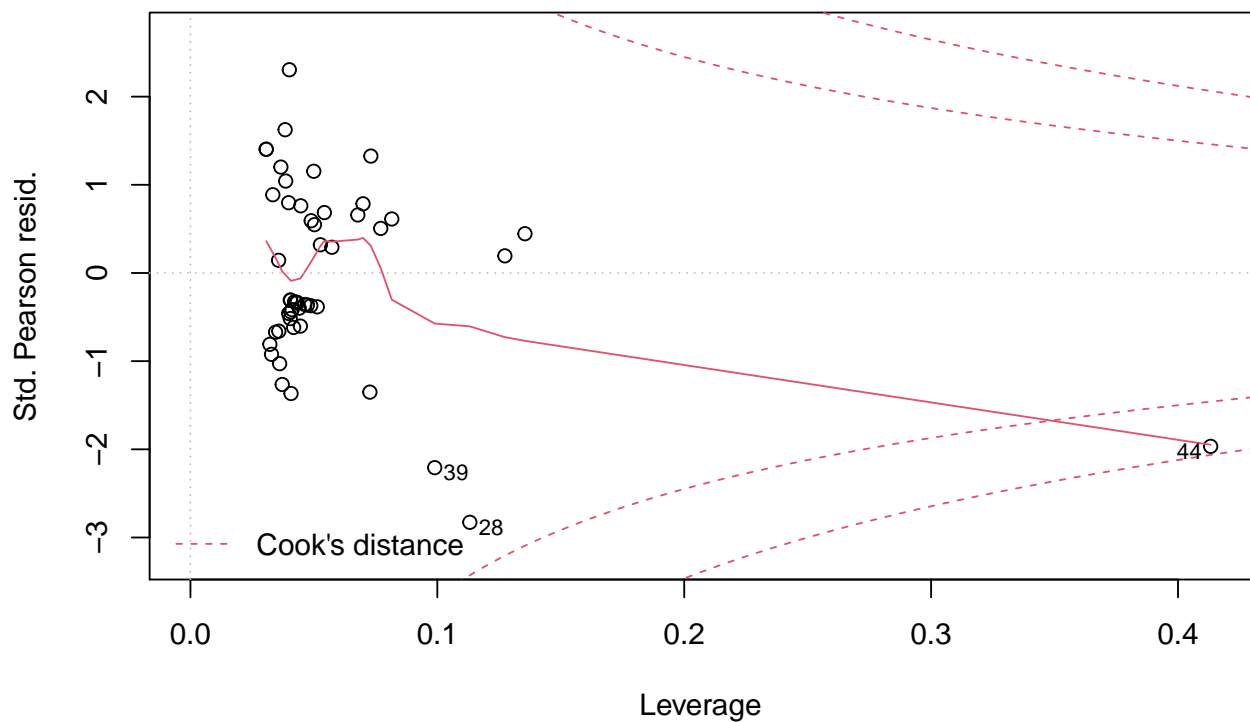
| variável    | 2.5 % | 97.5 % | estimativa |
|-------------|-------|--------|------------|
| (Intercept) | 0.010 | 0.308  | 0.055      |
| sofa        | 1.251 | 3.223  | 2.008      |
| su          | 0.993 | 1.073  | 1.032      |

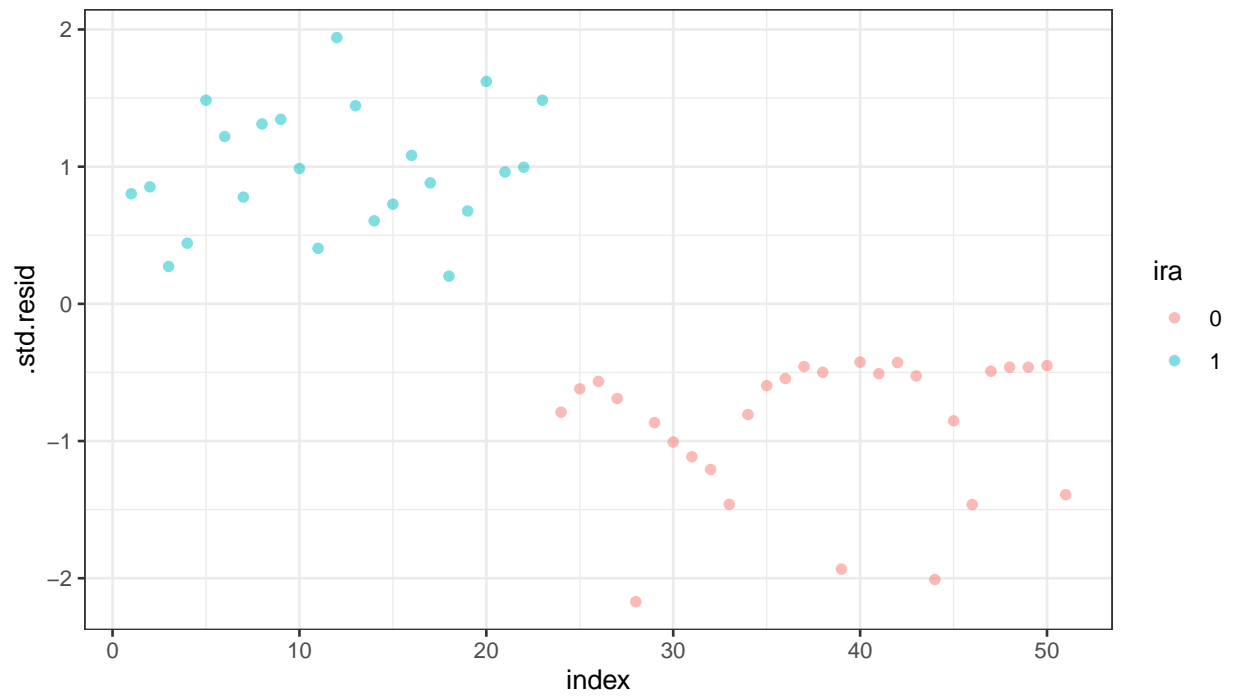
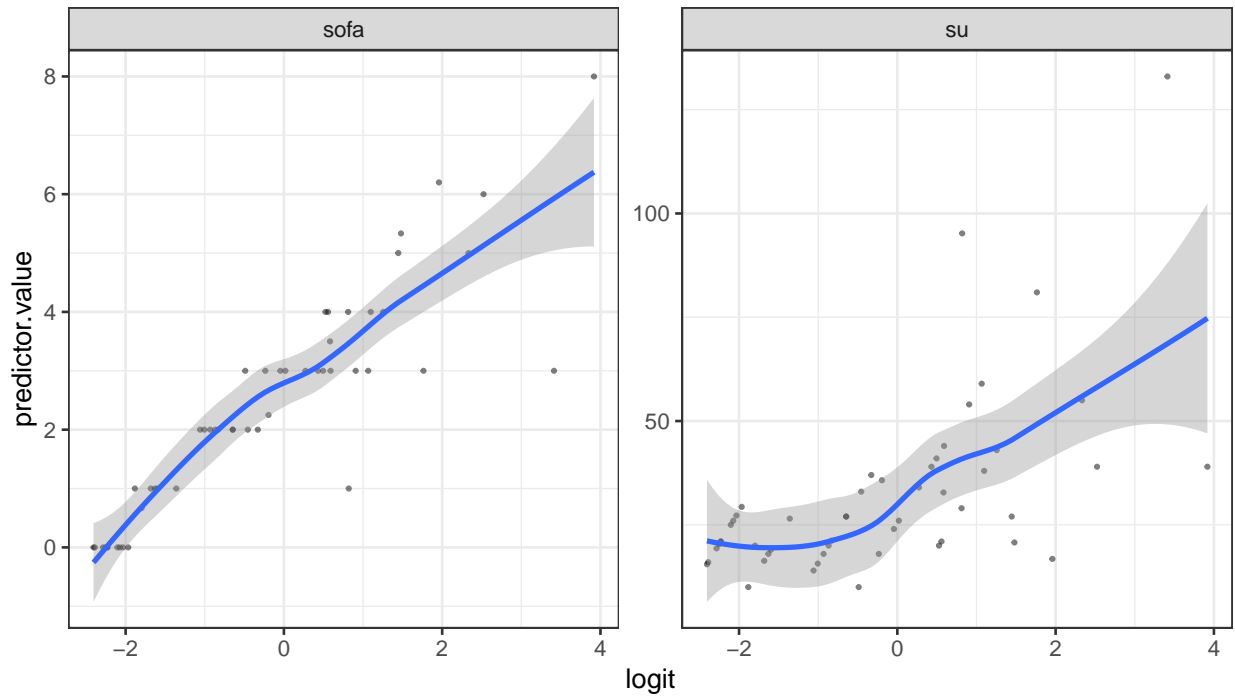
Table 24: Classifier metrics

|           | threshold | specificity | sensitivity | fpr   |
|-----------|-----------|-------------|-------------|-------|
| threshold | 0.324     | 0.679       | 0.913       | 0.321 |









## Selected Variables

### Full model

Table 25: Model summary

| term                         | estimate | std.error | statistic | p.value |
|------------------------------|----------|-----------|-----------|---------|
| (Intercept)                  | 1.119    | 10.814    | 0.104     | 0.918   |
| factor(ventilacao_mecanica)1 | 1.333    | 1.422     | 0.937     | 0.349   |
| factor(causa_ira)1           | -1.778   | 1.357     | -1.311    | 0.190   |
| factor(causa_ira)2           | -1.704   | 1.170     | -1.456    | 0.145   |
| sofa                         | 0.557    | 0.306     | 1.819     | 0.069   |
| su                           | 0.025    | 0.033     | 0.772     | 0.440   |
| saps3                        | 0.016    | 0.033     | 0.479     | 0.632   |
| fek                          | 0.201    | 0.172     | 1.171     | 0.242   |
| uu_su                        | -0.005   | 2.111     | -0.002    | 0.998   |
| una                          | -0.008   | 0.007     | -1.089    | 0.276   |
| sosm                         | -0.027   | 0.039     | -0.706    | 0.480   |
| delta_scr                    | 3.698    | 3.687     | 1.003     | 0.316   |
| tempo_internacao_hospitalar  | 0.021    | 0.020     | 1.009     | 0.313   |
| score_clinico                | 0.264    | 0.359     | 0.736     | 0.462   |
| dva_mcg_kg_min               | -0.274   | 2.799     | -0.098    | 0.922   |
| uk                           | 0.007    | 0.023     | 0.315     | 0.753   |

Table 26: Model details

| null.deviance | df.null | logLik  | AIC    | BIC     | deviance | df.residual | nobs |
|---------------|---------|---------|--------|---------|----------|-------------|------|
| 70.21         | 50      | -20.968 | 73.937 | 104.846 | 41.937   | 35          | 51   |

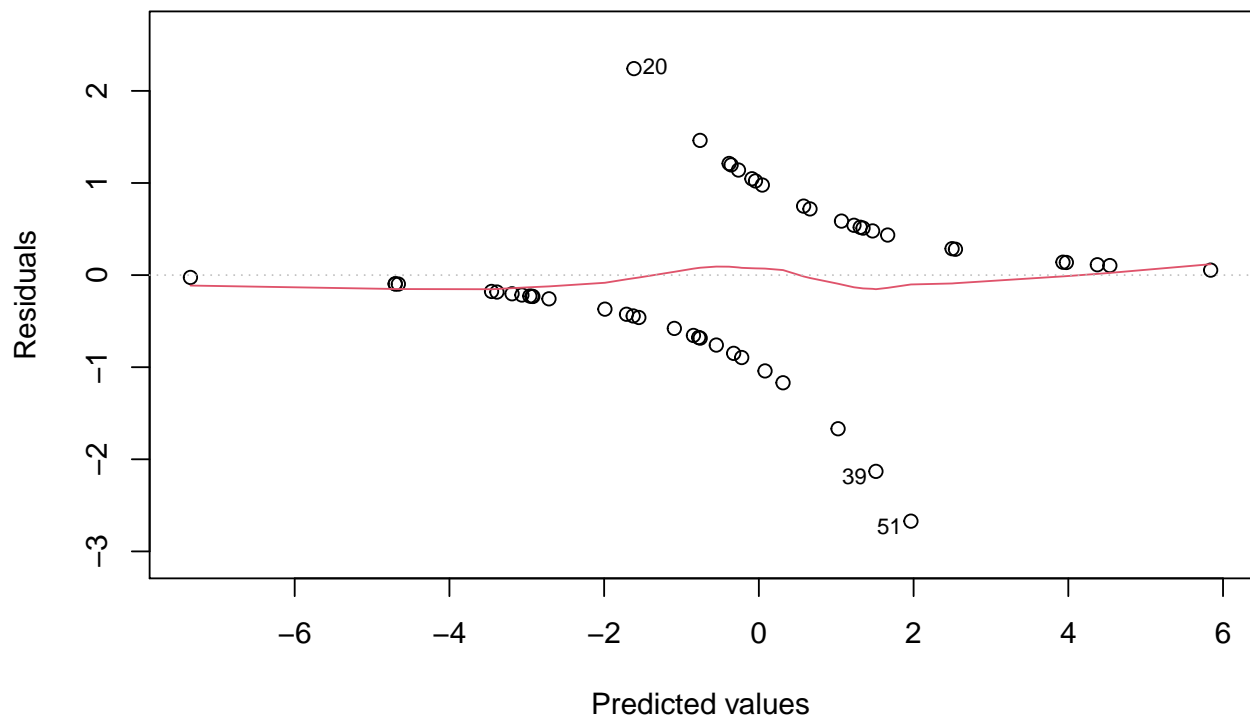
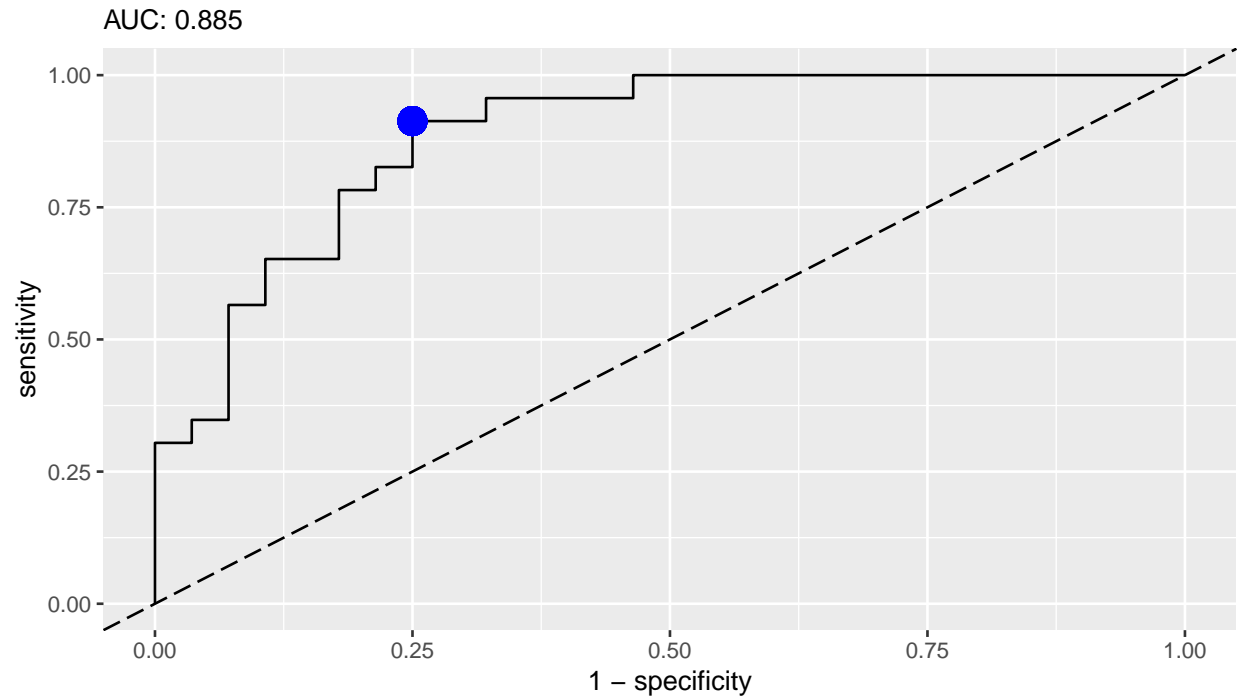
Table 27: Confidence intervals

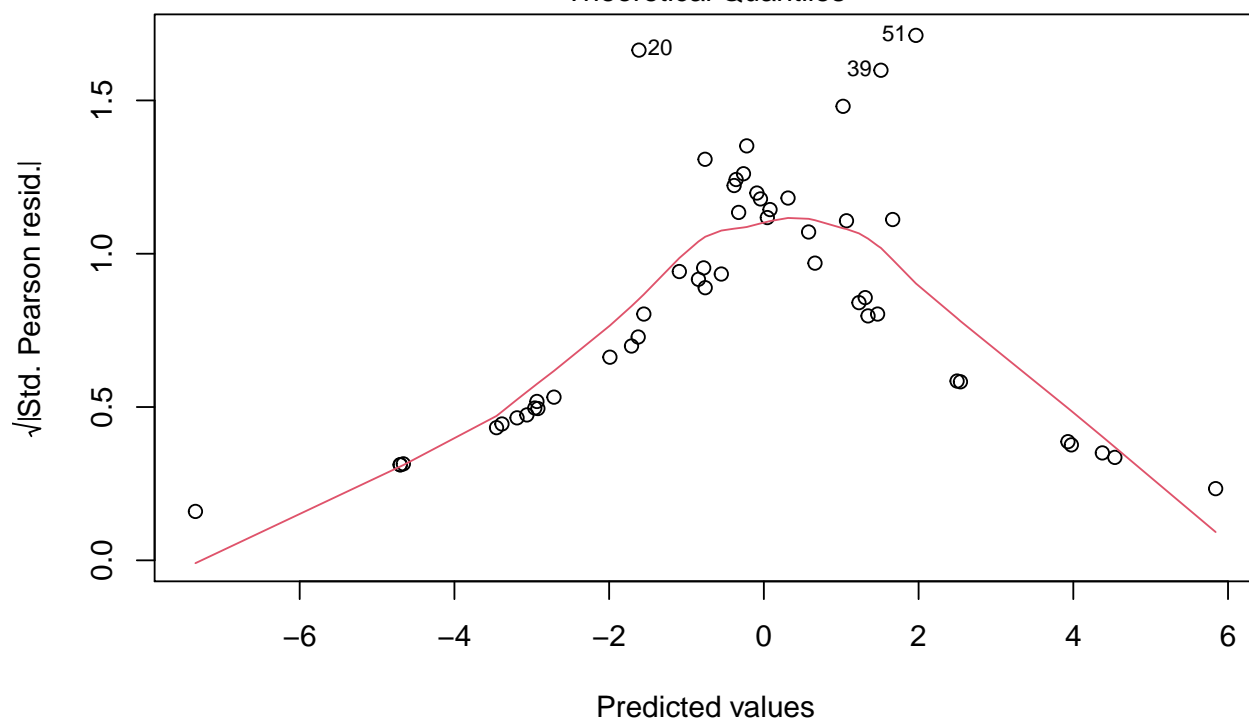
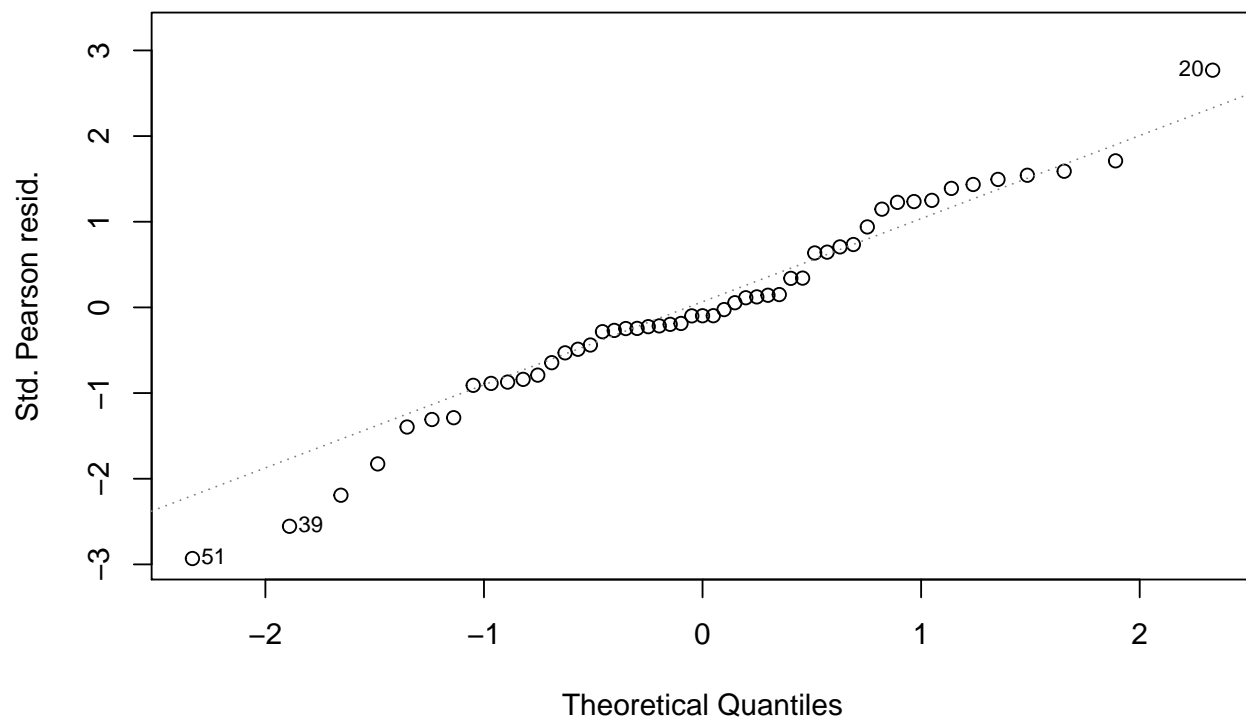
| variável                     | 2.5 % | 97.5 %       | estimativa |
|------------------------------|-------|--------------|------------|
| (Intercept)                  | 0.000 | 4.913535e+09 | 3.063      |
| factor(ventilacao_mecanica)1 | 0.233 | 6.158600e+01 | 3.791      |
| factor(causa_ira)1           | 0.012 | 2.414000e+00 | 0.169      |
| factor(causa_ira)2           | 0.018 | 1.803000e+00 | 0.182      |
| sofa                         | 0.958 | 3.181000e+00 | 1.746      |
| su                           | 0.962 | 1.094000e+00 | 1.026      |
| saps3                        | 0.952 | 1.084000e+00 | 1.016      |
| fek                          | 0.873 | 1.713000e+00 | 1.223      |
| uu_su                        | 0.016 | 6.237100e+01 | 0.995      |
| una                          | 0.978 | 1.006000e+00 | 0.992      |
| sosm                         | 0.902 | 1.050000e+00 | 0.973      |
| delta_scr                    | 0.029 | 5.548104e+04 | 40.366     |
| tempo_internacao_hospitalar  | 0.981 | 1.062000e+00 | 1.021      |
| score_clinico                | 0.645 | 2.631000e+00 | 1.302      |
| dva_mcg_kg_min               | 0.003 | 1.834730e+02 | 0.760      |
| uk                           | 0.962 | 1.054000e+00 | 1.007      |

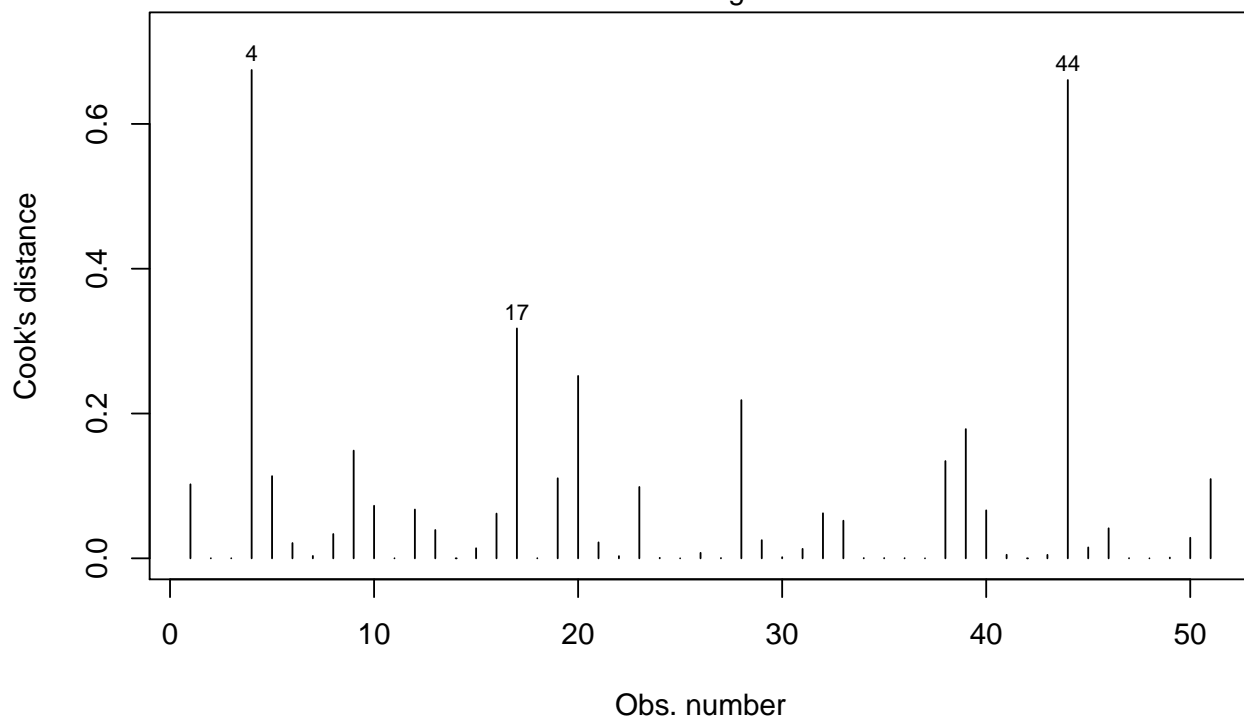
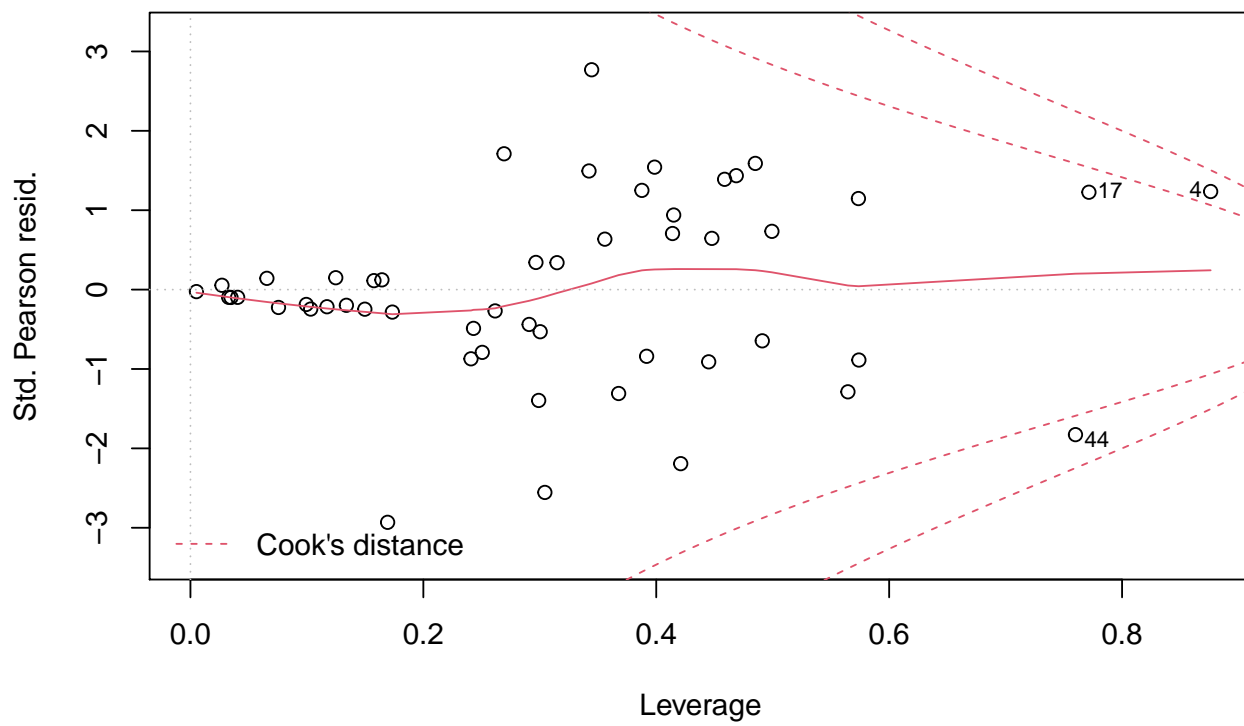


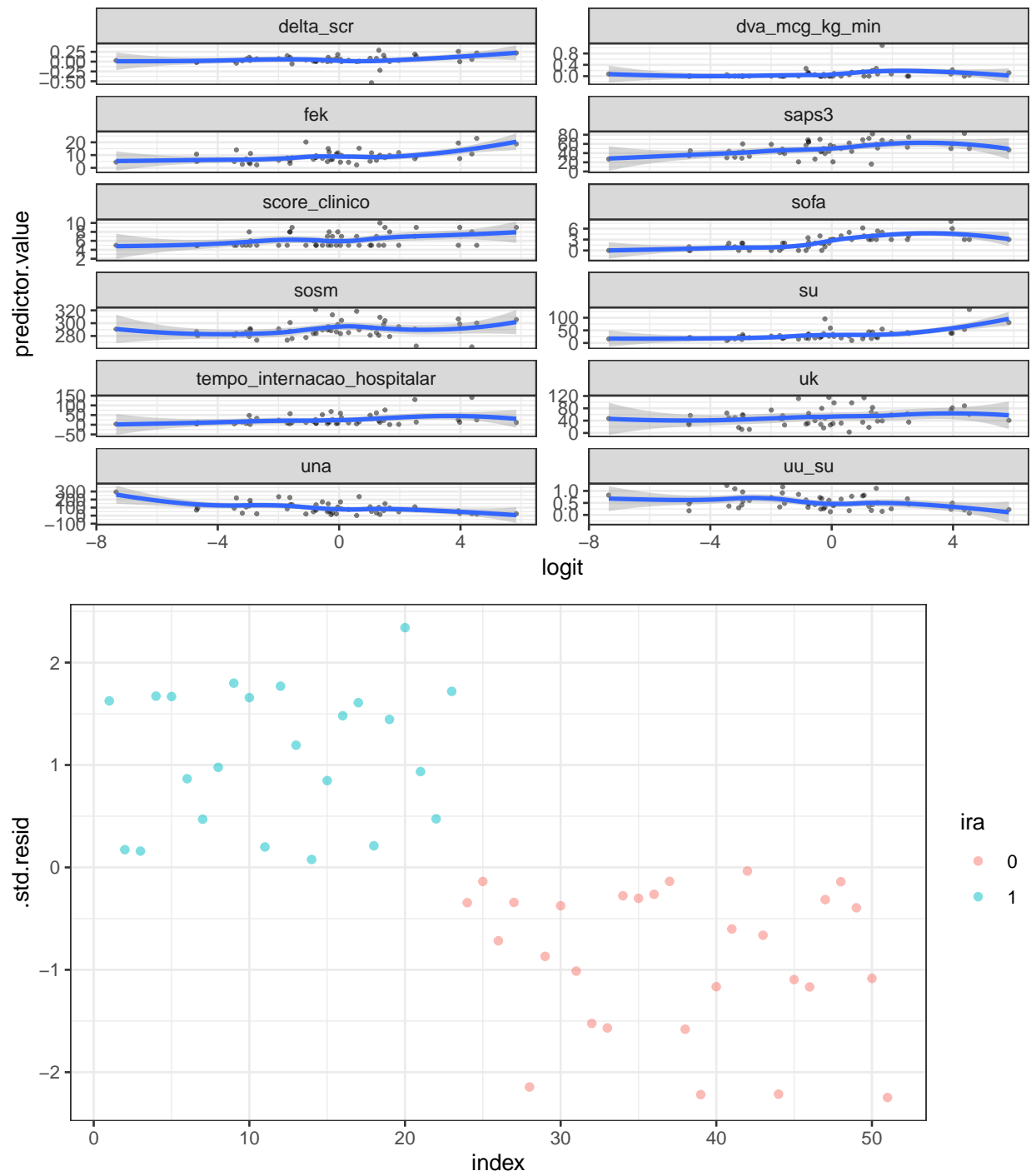
Table 28: Classifier metrics

|           | threshold | specificity | sensitivity | fpr  |
|-----------|-----------|-------------|-------------|------|
| threshold | 0.385     | 0.75        | 0.913       | 0.25 |









## Backwards

Table 29: Model summary

| term        | estimate | std.error | statistic | p.value |
|-------------|----------|-----------|-----------|---------|
| (Intercept) | -3.291   | 1.061     | -3.101    | 0.002   |
| sofa        | 0.771    | 0.243     | 3.175     | 0.001   |
| fek         | 0.139    | 0.081     | 1.708     | 0.088   |

Table 29: Model summary (*continued*)

| term | estimate | std.error | statistic | p.value |
|------|----------|-----------|-----------|---------|
|------|----------|-----------|-----------|---------|

Table 30: Model details

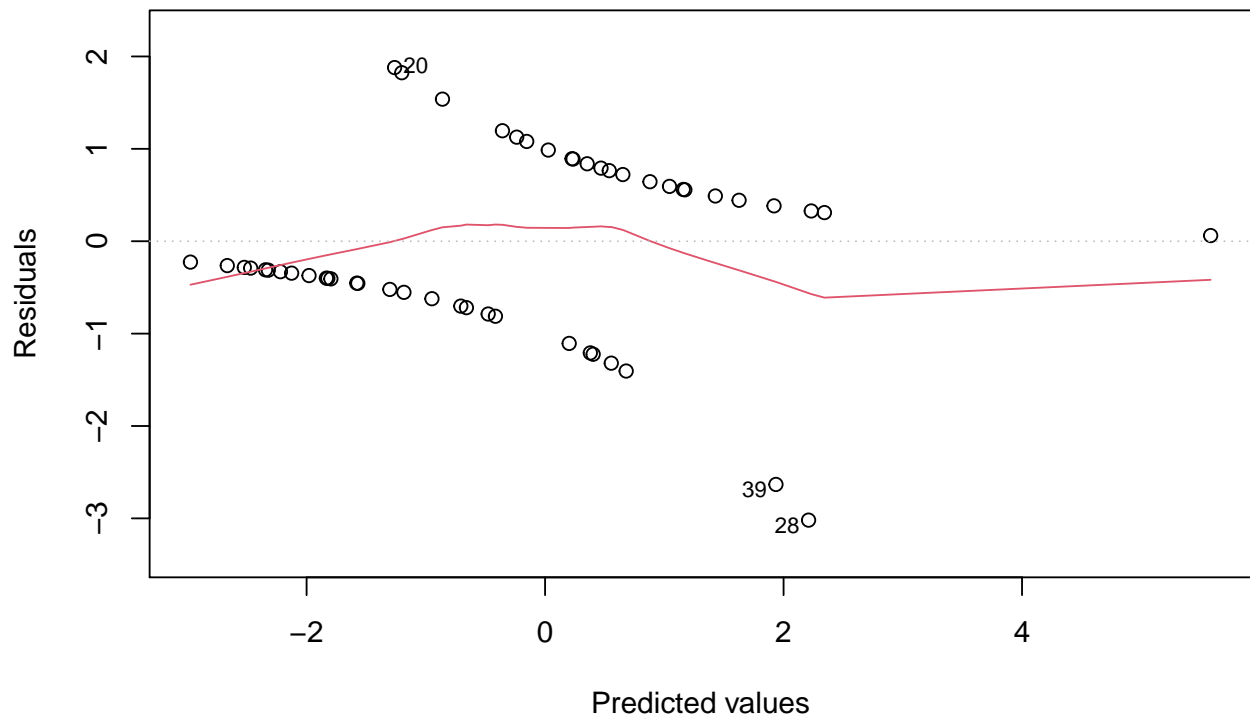
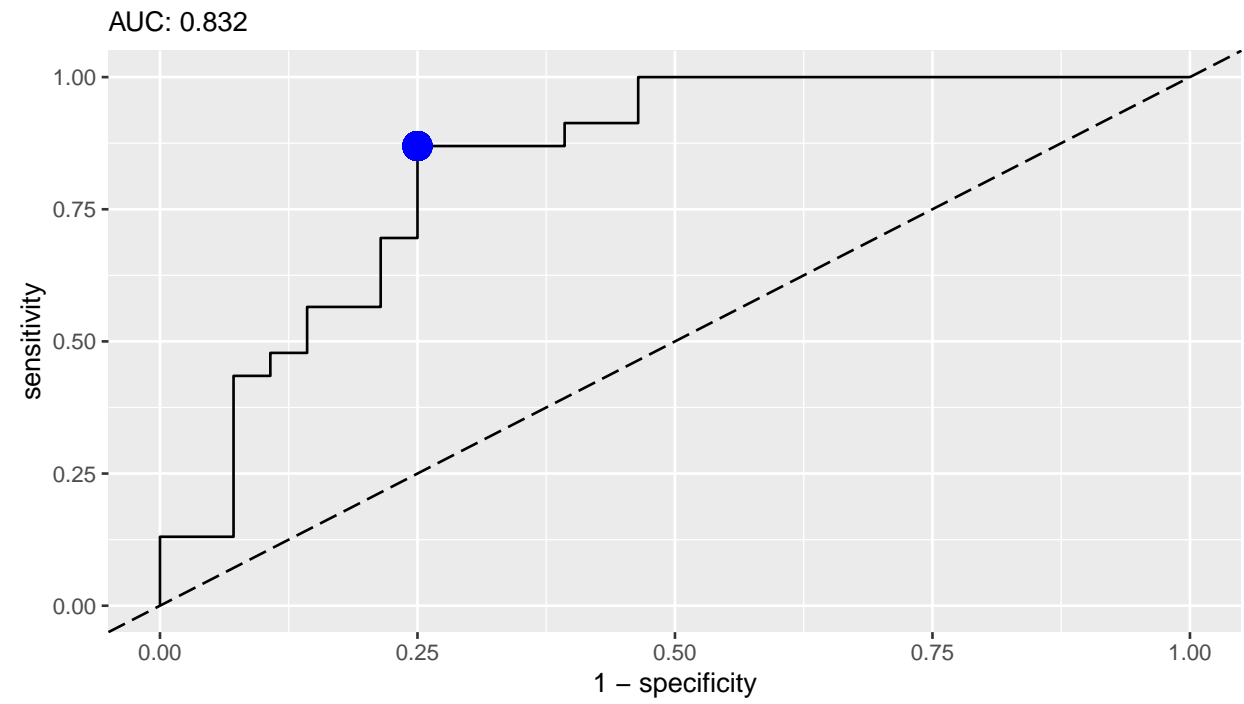
| null.deviance | df.null | logLik | AIC   | BIC    | deviance | df.residual | nobs |
|---------------|---------|--------|-------|--------|----------|-------------|------|
| 70.21         | 50      | -25.71 | 57.42 | 63.216 | 51.42    | 48          | 51   |

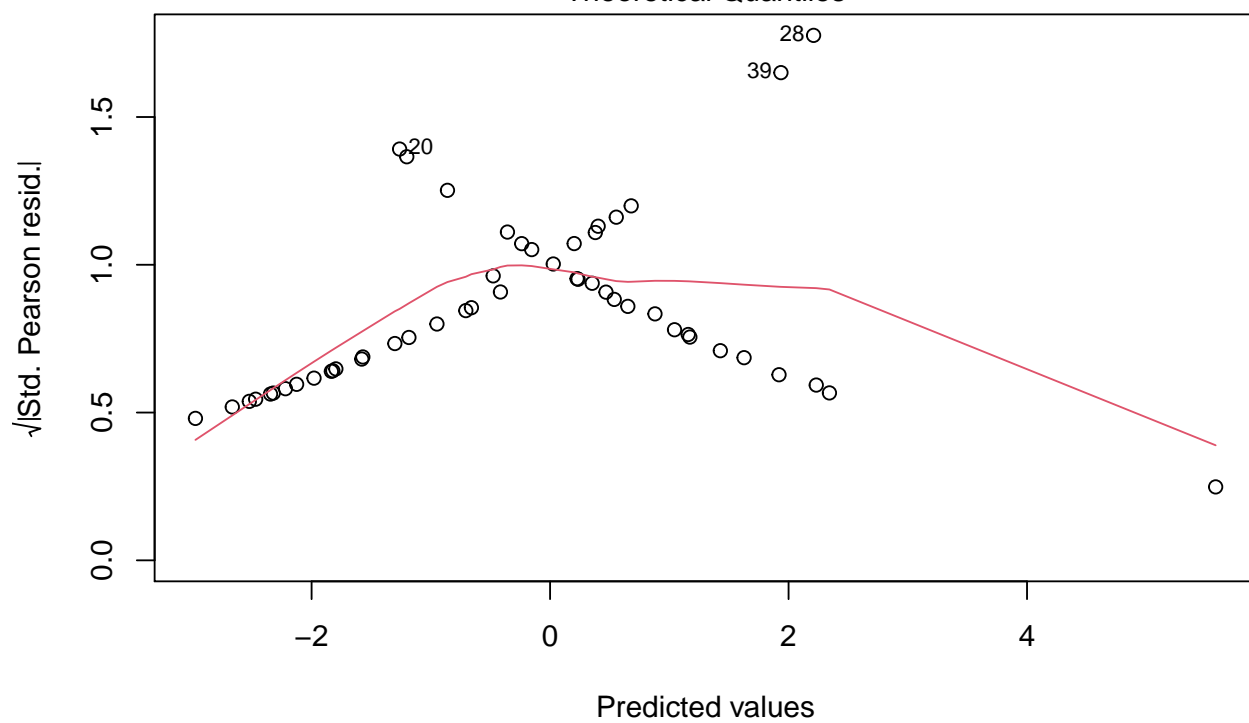
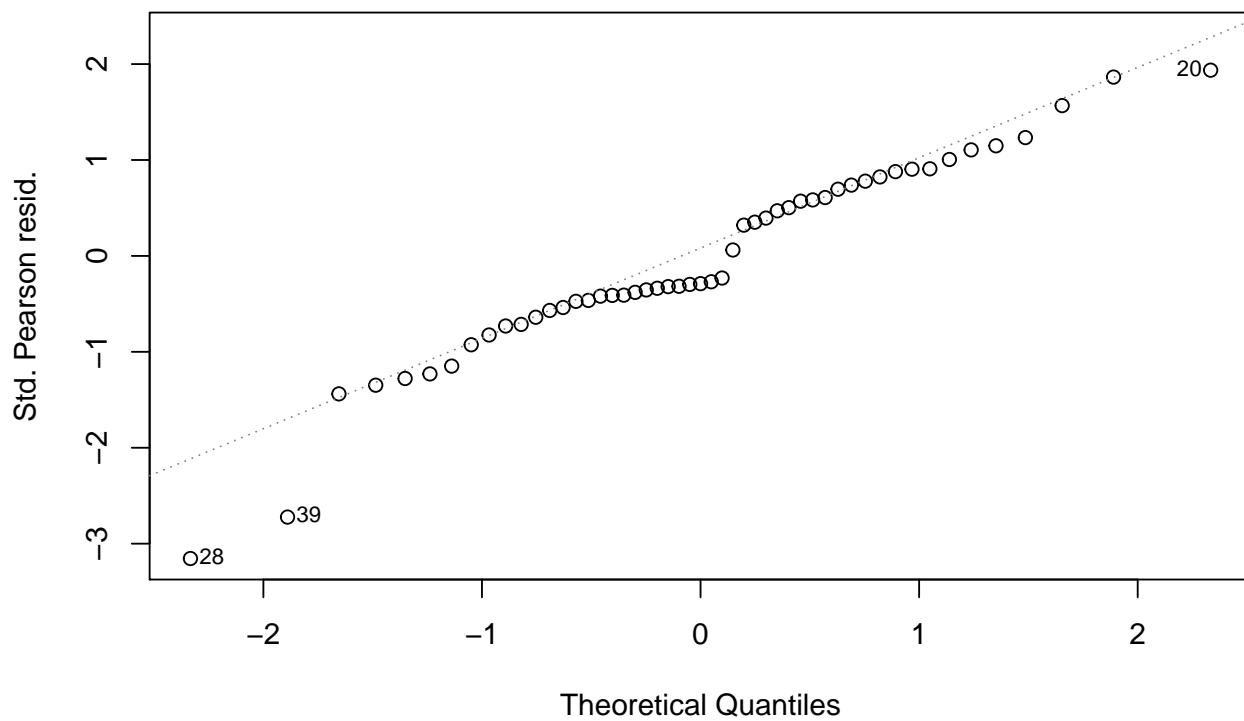
Table 31: Confidence intervals

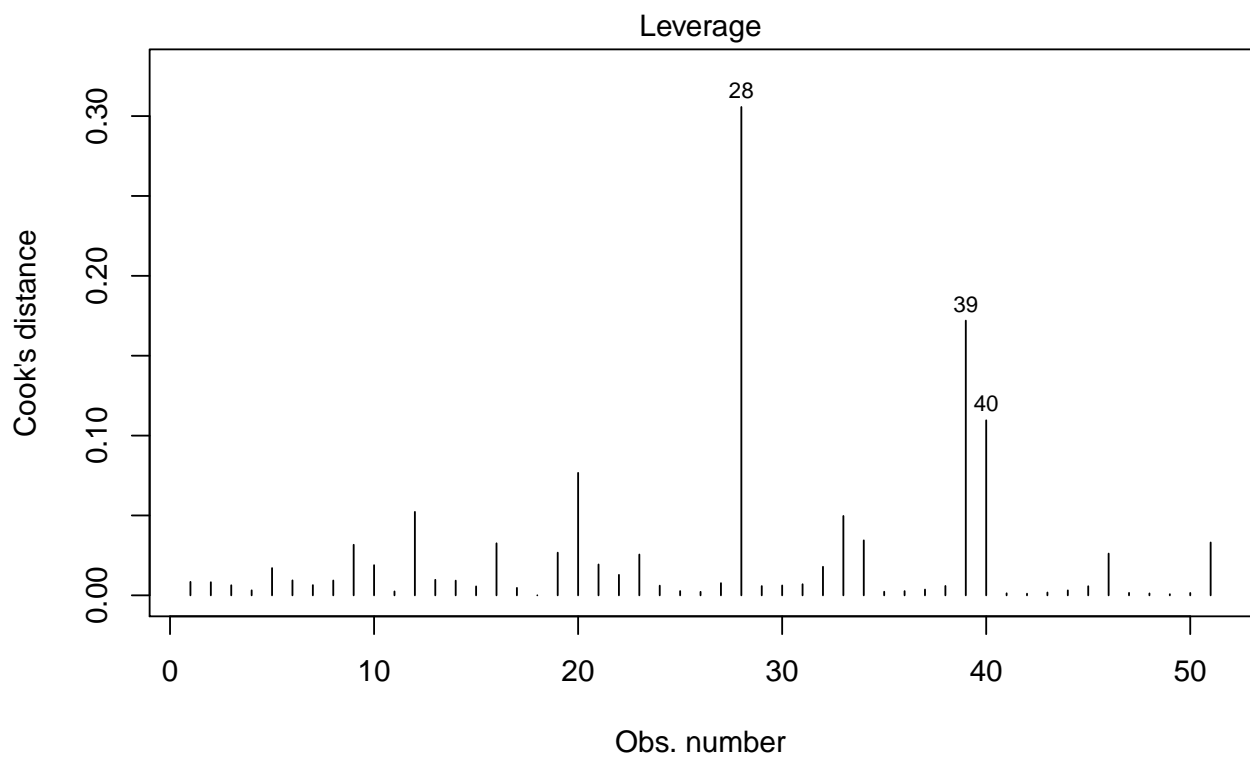
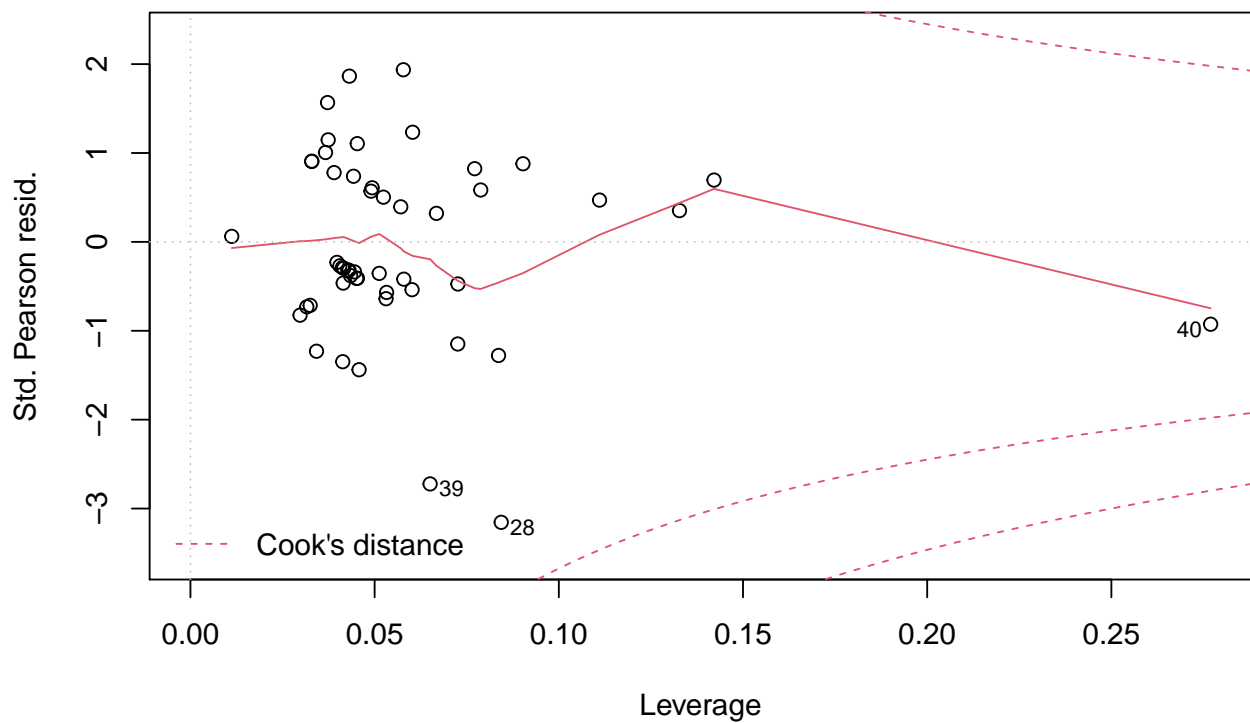
| variável    | 2.5 % | 97.5 % | estimativa |
|-------------|-------|--------|------------|
| (Intercept) | 0.005 | 0.298  | 0.037      |
| sofa        | 1.343 | 3.479  | 2.162      |
| fek         | 0.980 | 1.348  | 1.149      |

Table 32: Classifier metrics

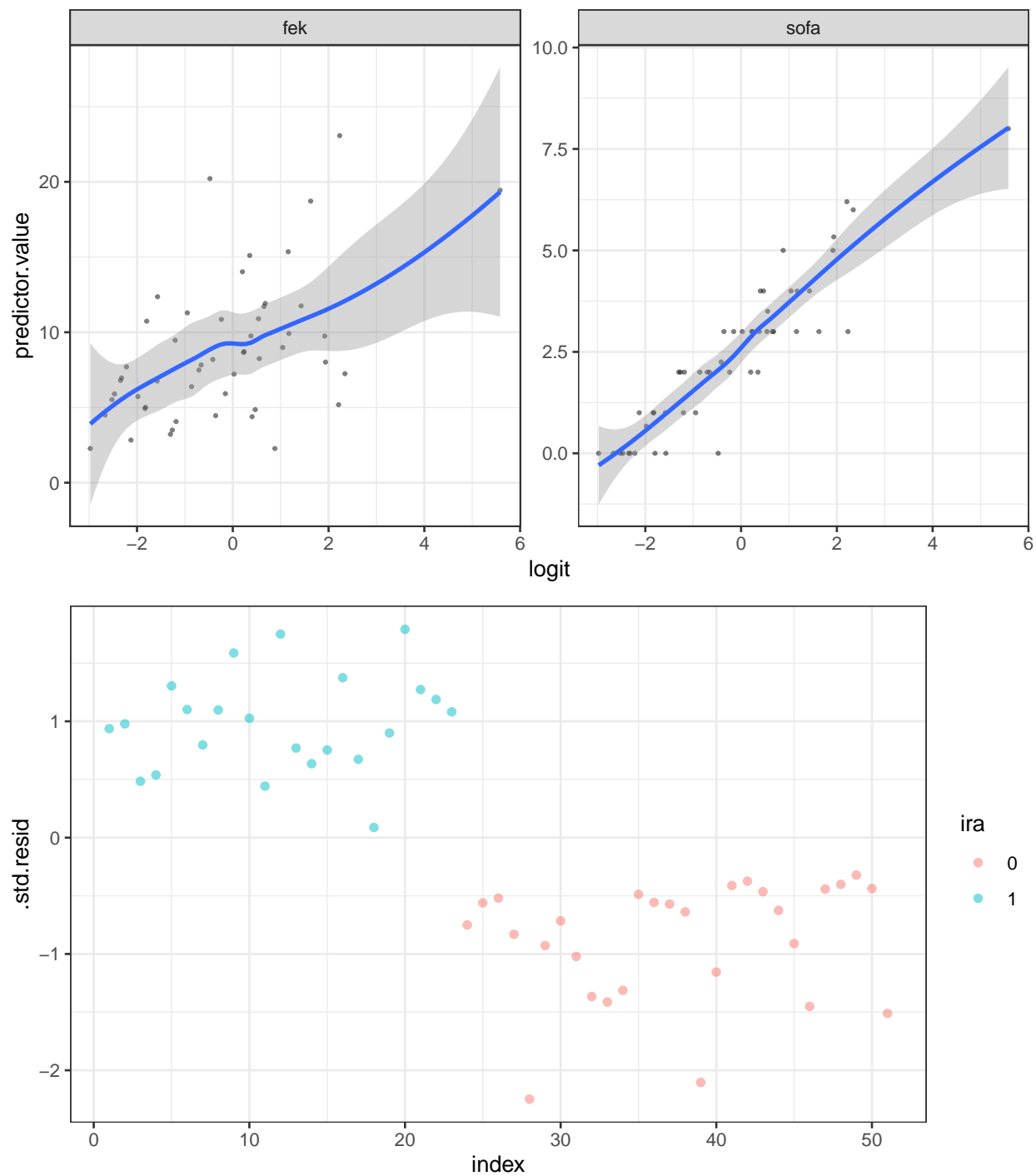
|           | threshold | specificity | sensitivity | fpr  |
|-----------|-----------|-------------|-------------|------|
| threshold | 0.404     | 0.75        | 0.87        | 0.25 |











## Forwards

Table 33: Model summary

| term        | estimate | std.error | statistic | p.value |
|-------------|----------|-----------|-----------|---------|
| (Intercept) | -2.897   | 0.878     | -3.300    | 0.001   |
| sofa        | 0.697    | 0.241     | 2.890     | 0.004   |
| su          | 0.032    | 0.020     | 1.613     | 0.107   |

Table 33: Model summary (*continued*)

| term | estimate | std.error | statistic | p.value |
|------|----------|-----------|-----------|---------|
|------|----------|-----------|-----------|---------|

Table 34: Model details

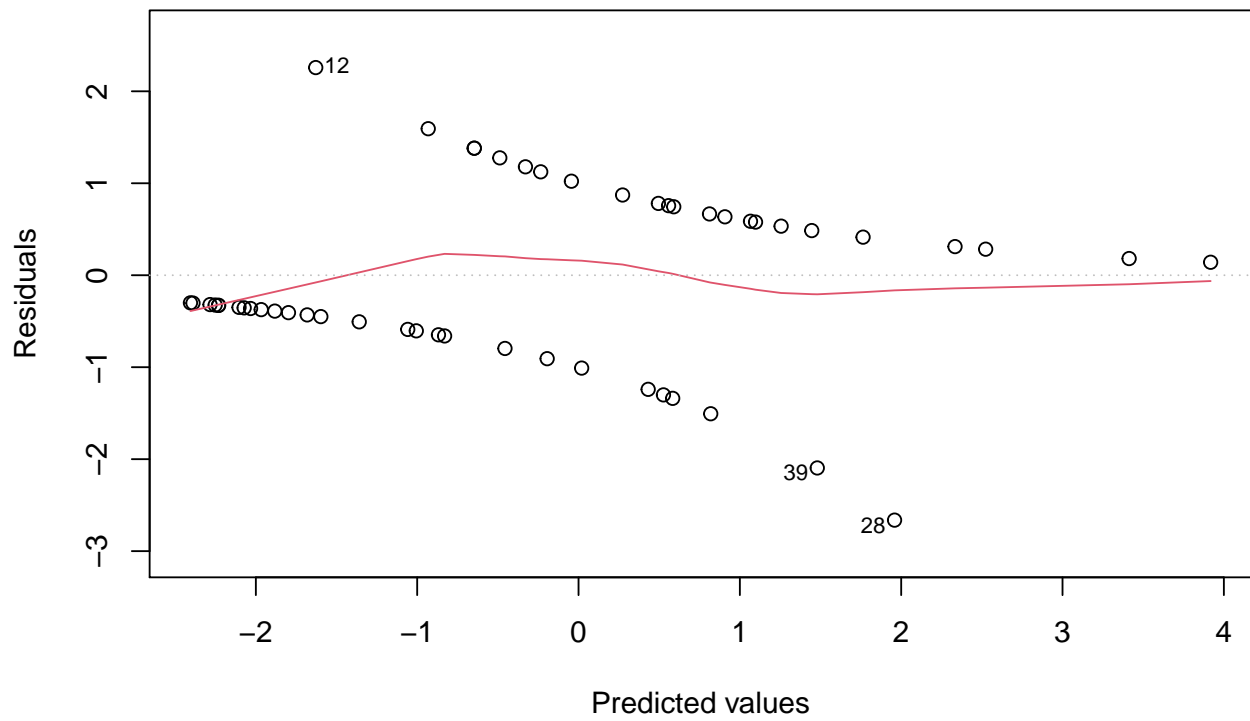
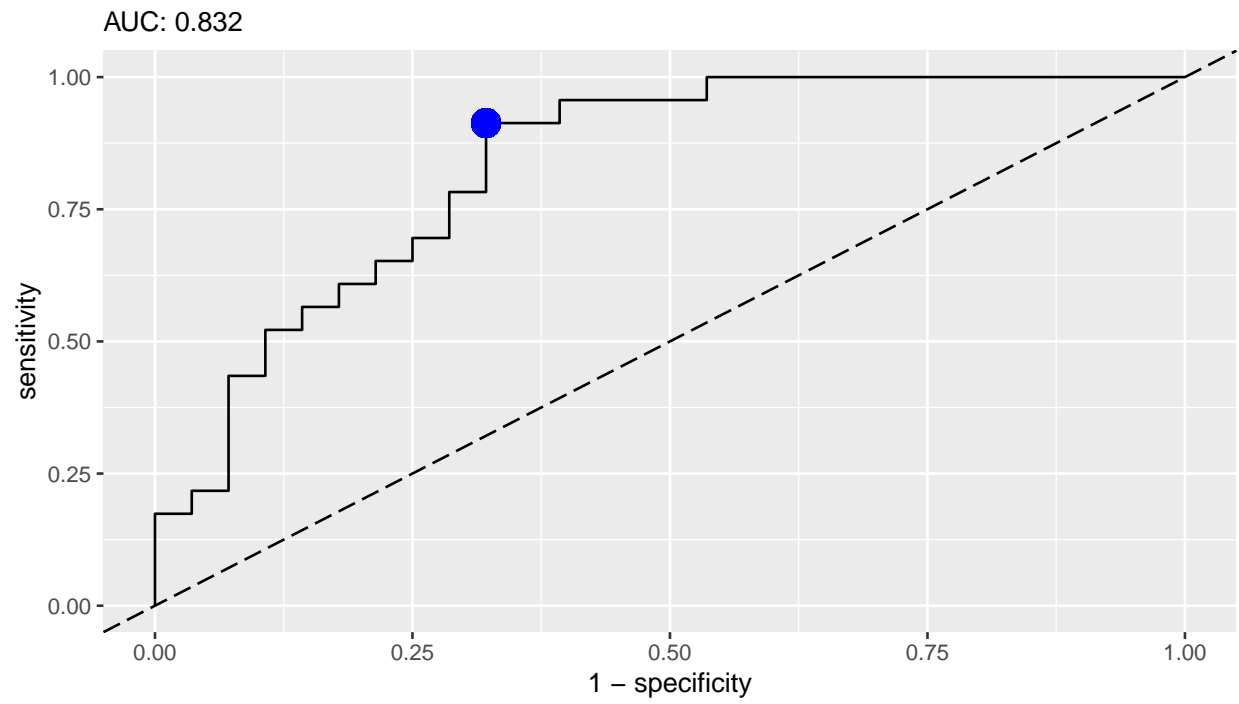
| null.deviance | df.null | logLik  | AIC    | BIC    | deviance | df.residual | nobs |
|---------------|---------|---------|--------|--------|----------|-------------|------|
| 70.21         | 50      | -25.613 | 57.226 | 63.021 | 51.226   | 48          | 51   |

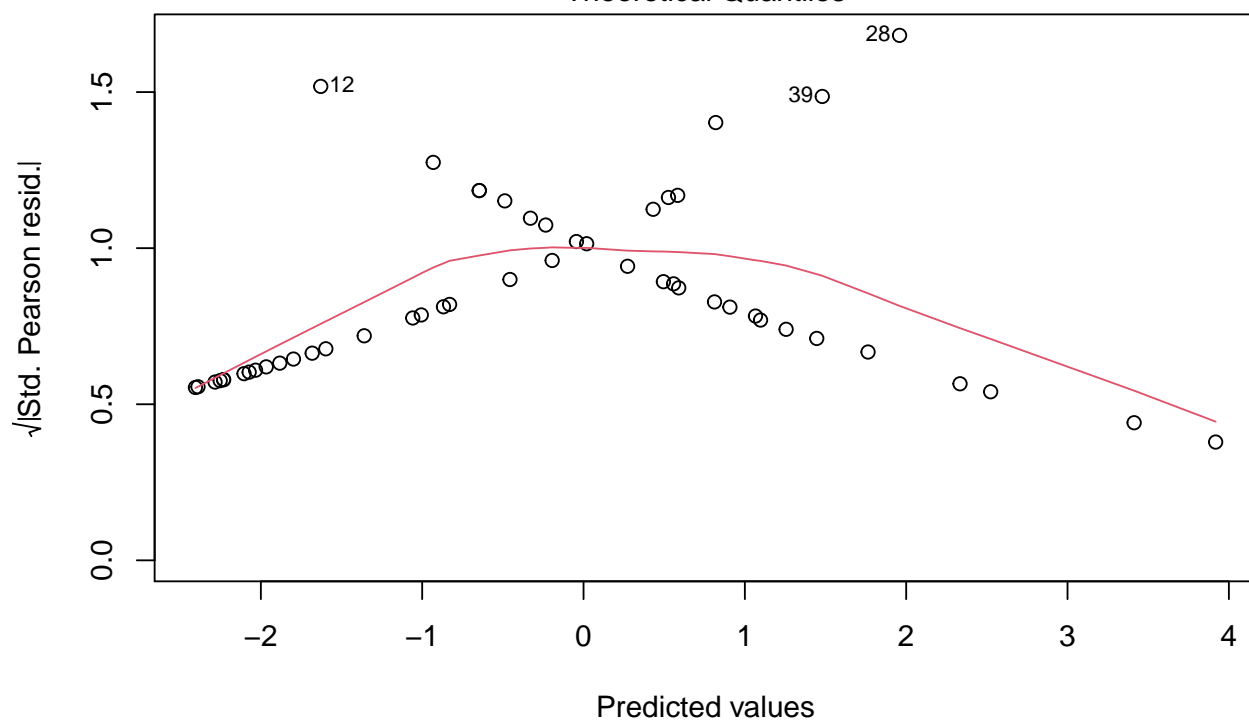
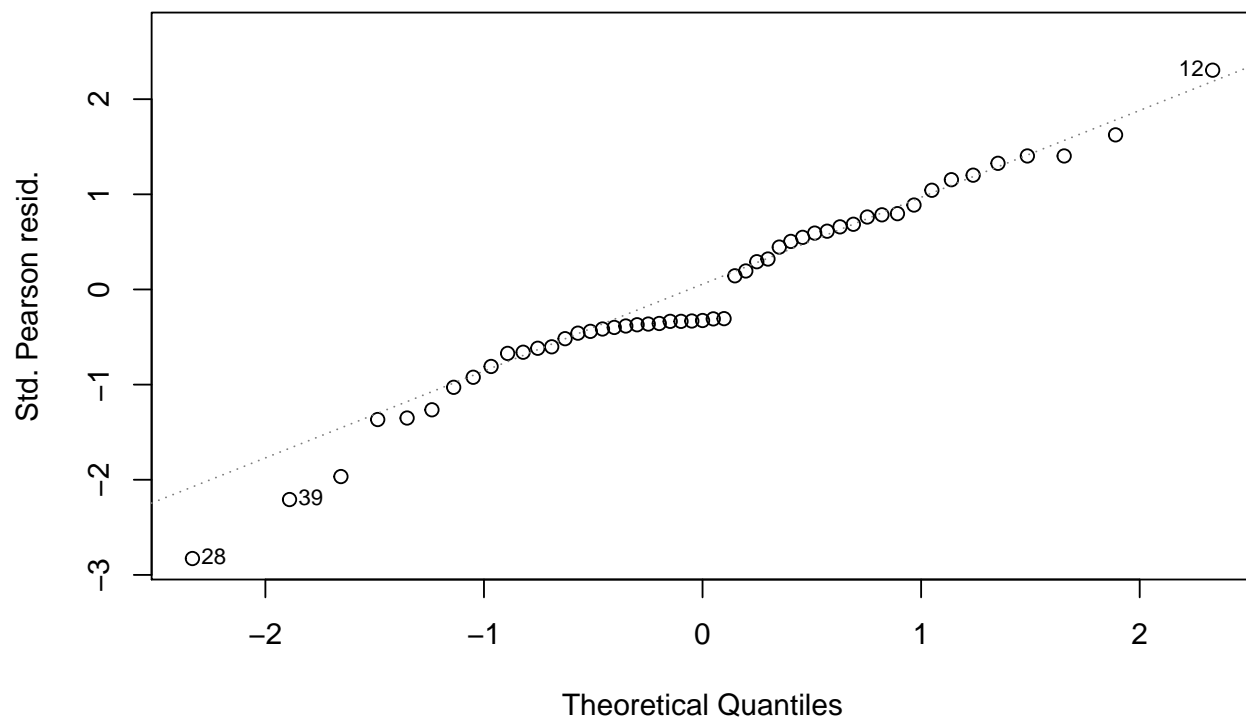
Table 35: Confidence intervals

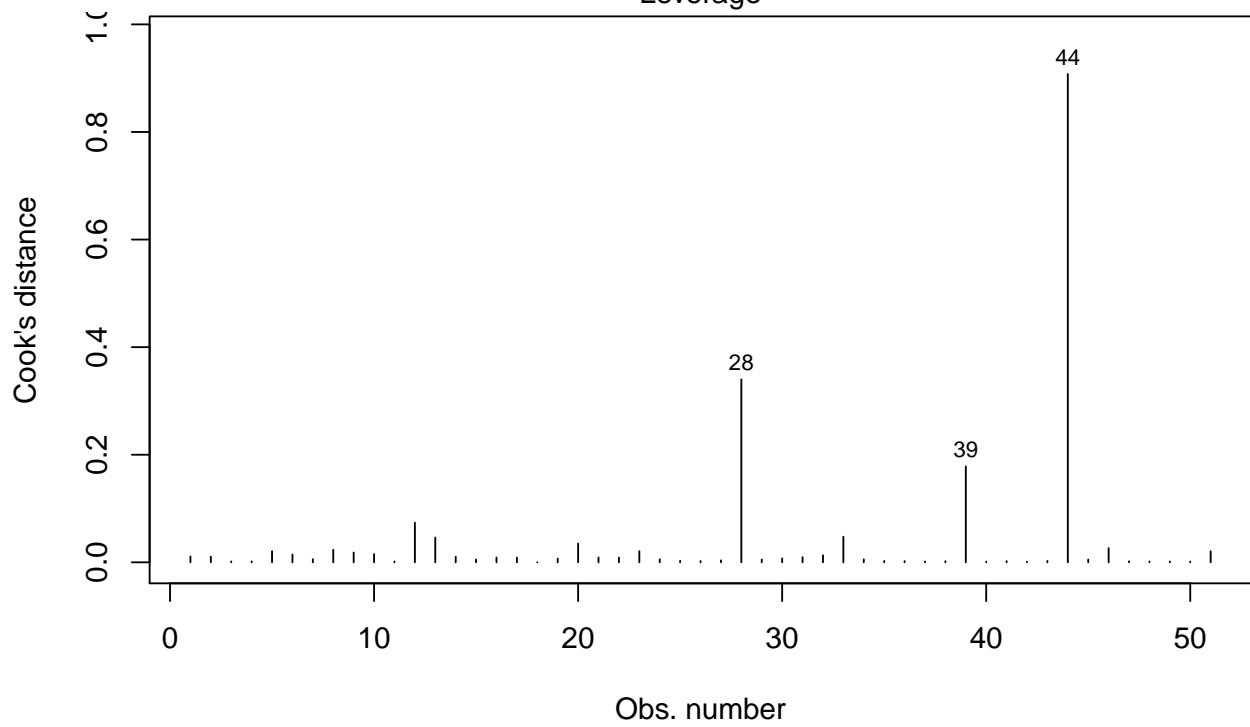
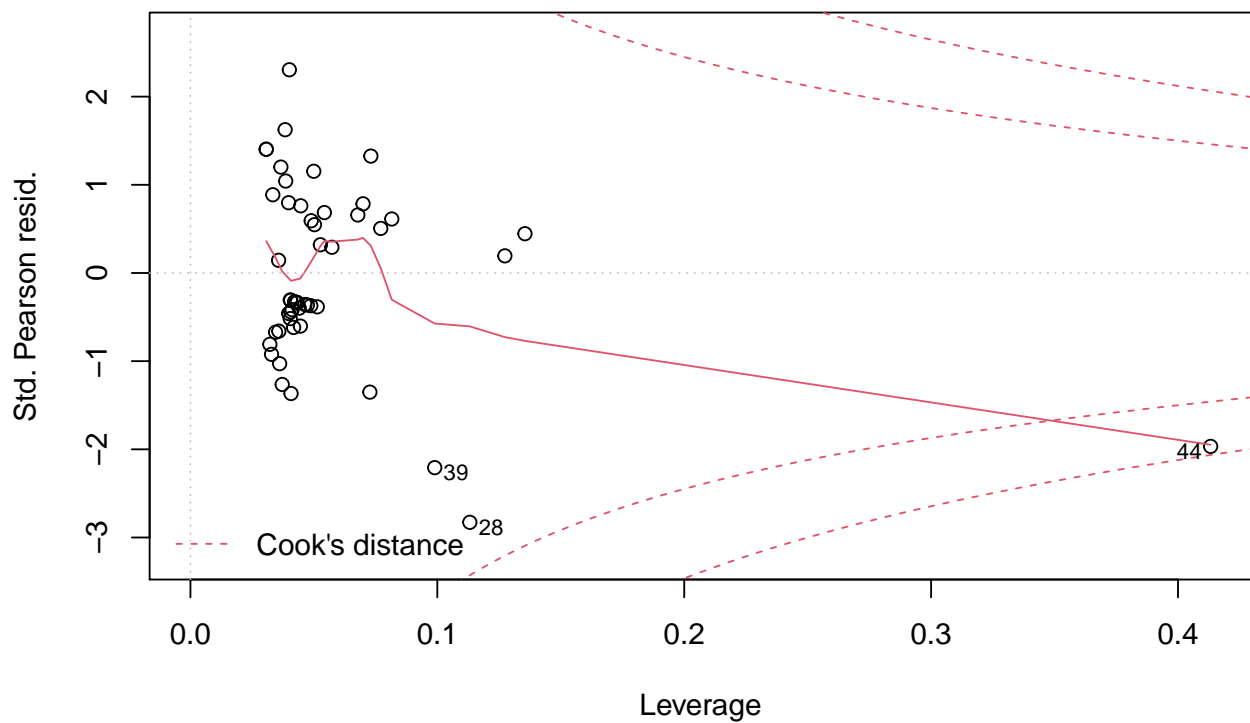
| variável    | 2.5 % | 97.5 % | estimativa |
|-------------|-------|--------|------------|
| (Intercept) | 0.010 | 0.308  | 0.055      |
| sofa        | 1.251 | 3.223  | 2.008      |
| su          | 0.993 | 1.073  | 1.032      |

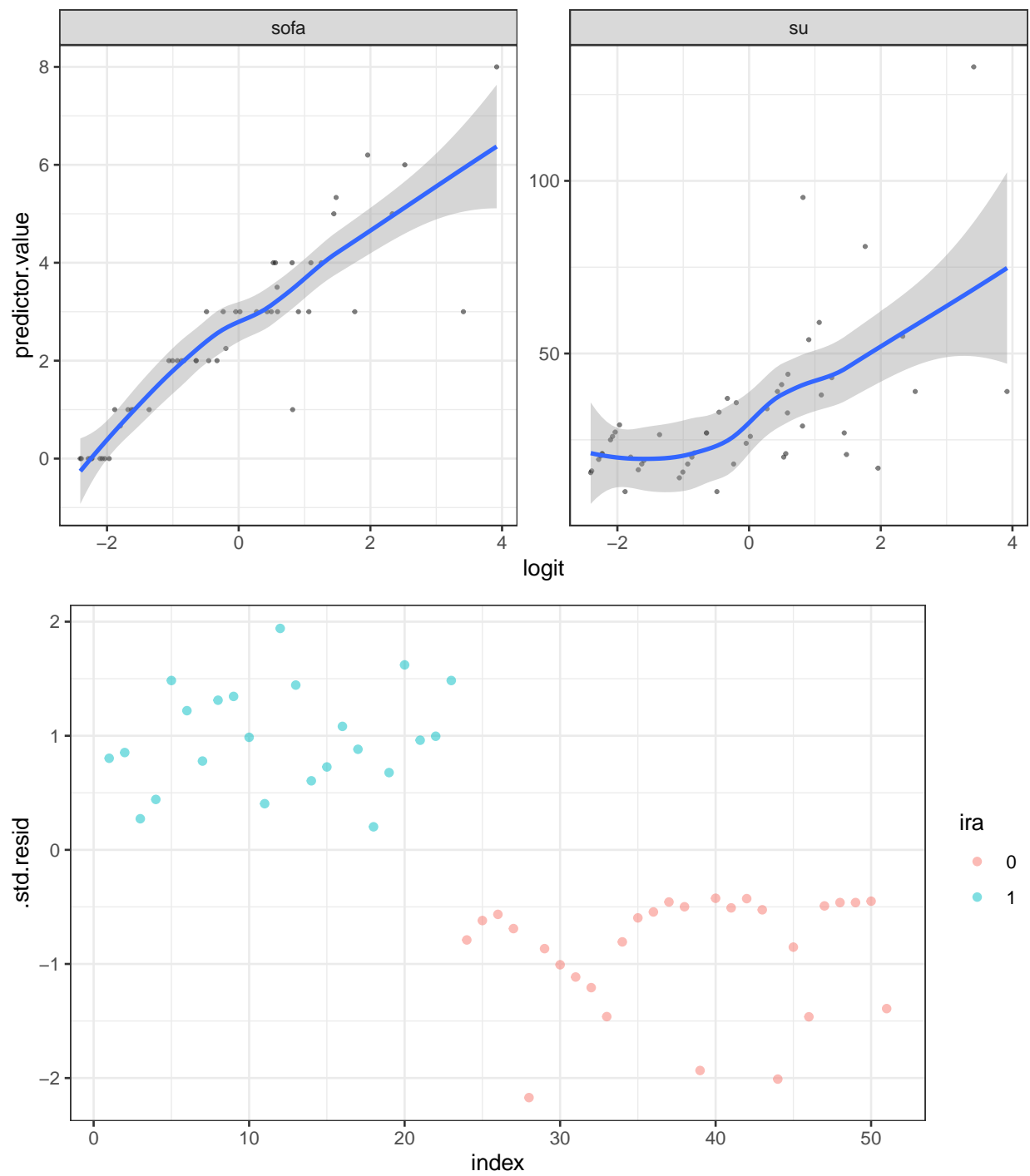
Table 36: Classifier metrics

|           | threshold | specificity | sensitivity | fpr   |
|-----------|-----------|-------------|-------------|-------|
| threshold | 0.324     | 0.679       | 0.913       | 0.321 |









## Stepwise

Table 37: Model summary

| term        | estimate | std.error | statistic | p.value |
|-------------|----------|-----------|-----------|---------|
| (Intercept) | -2.897   | 0.878     | -3.300    | 0.001   |
| sofa        | 0.697    | 0.241     | 2.890     | 0.004   |

Table 37: Model summary (*continued*)

| term | estimate | std.error | statistic | p.value |
|------|----------|-----------|-----------|---------|
| su   | 0.032    | 0.020     | 1.613     | 0.107   |

Table 38: Model details

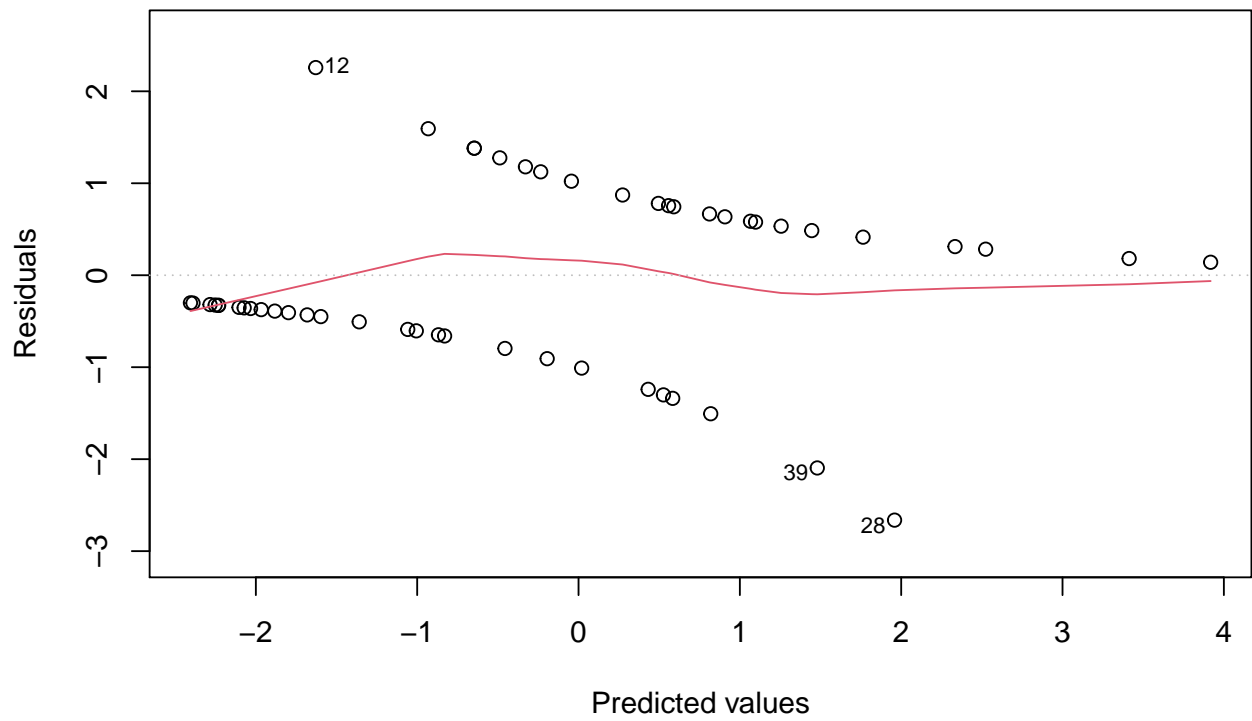
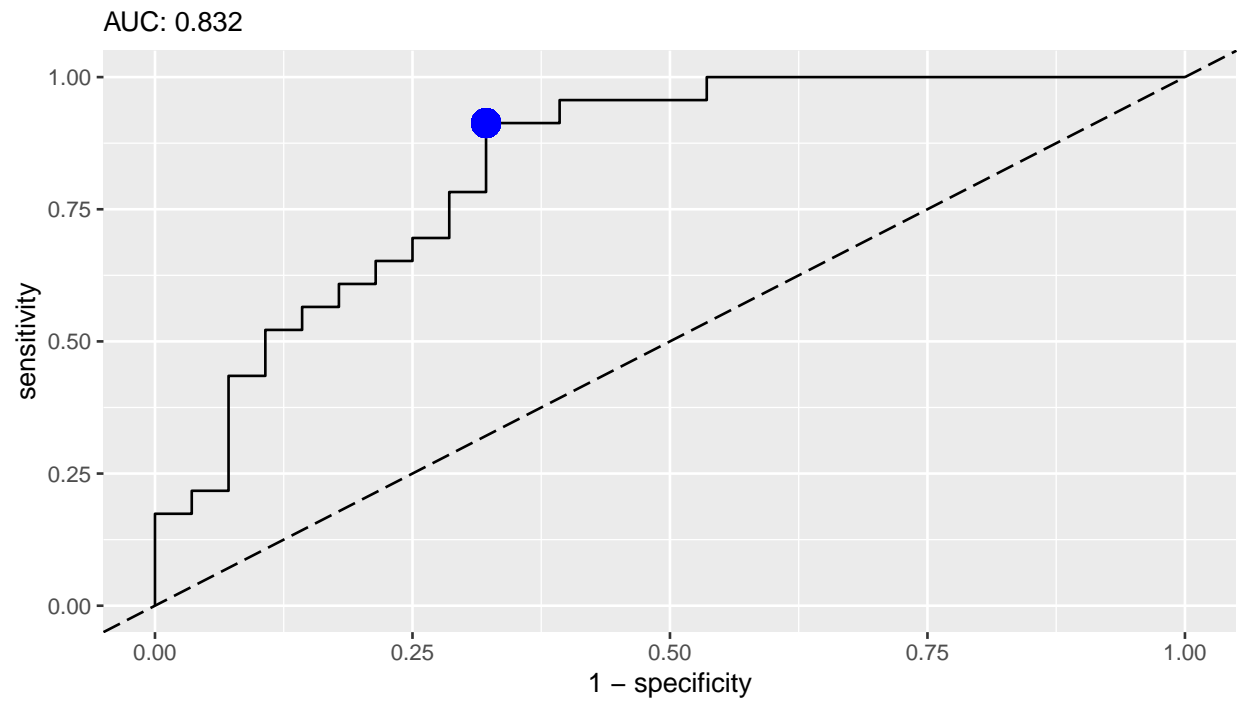
| null.deviance | df.null | logLik  | AIC    | BIC    | deviance | df.residual | nobs |
|---------------|---------|---------|--------|--------|----------|-------------|------|
| 70.21         | 50      | -25.613 | 57.226 | 63.021 | 51.226   | 48          | 51   |

Table 39: Confidence intervals

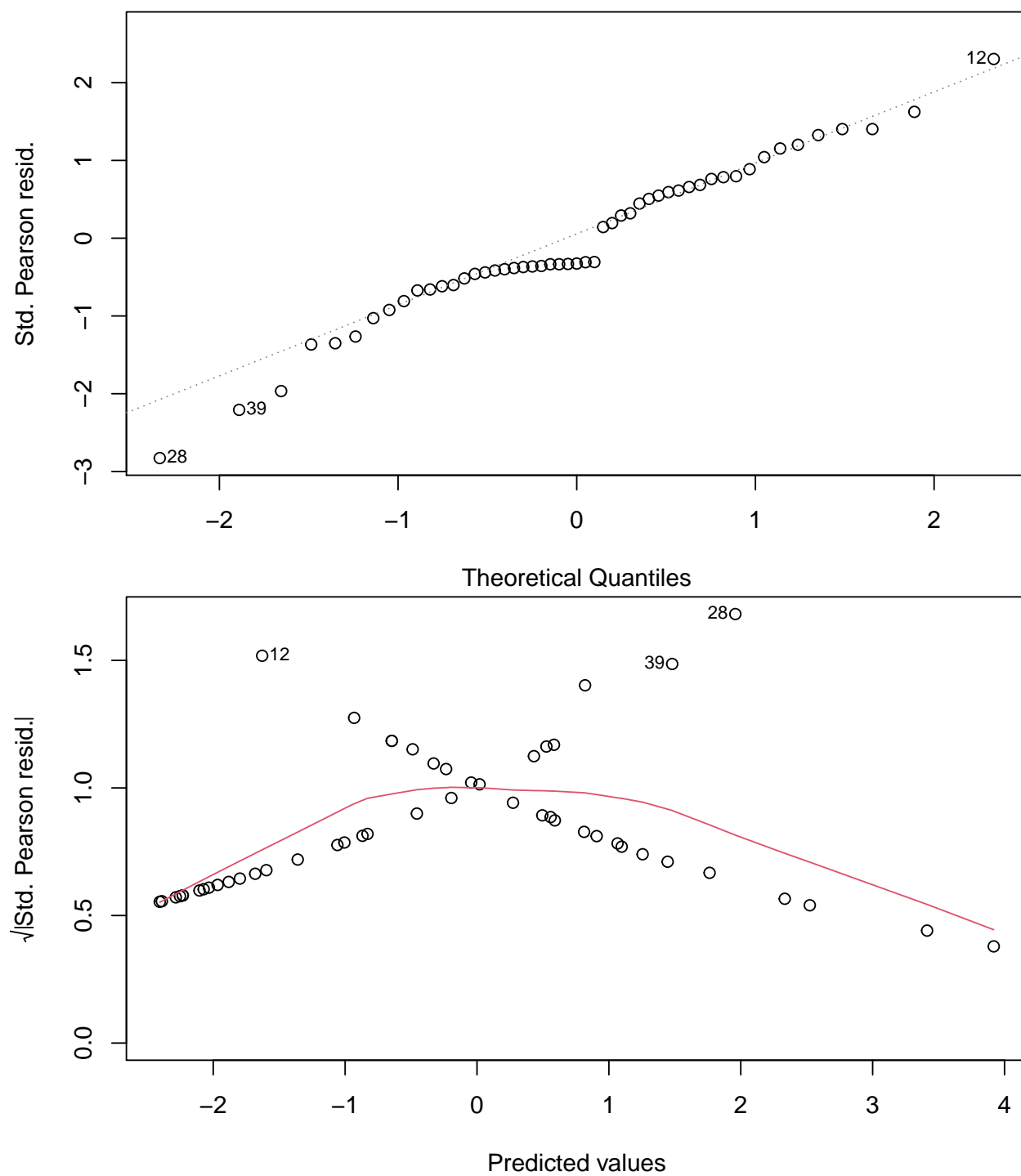
| variável    | 2.5 % | 97.5 % | estimativa |
|-------------|-------|--------|------------|
| (Intercept) | 0.010 | 0.308  | 0.055      |
| sofa        | 1.251 | 3.223  | 2.008      |
| su          | 0.993 | 1.073  | 1.032      |

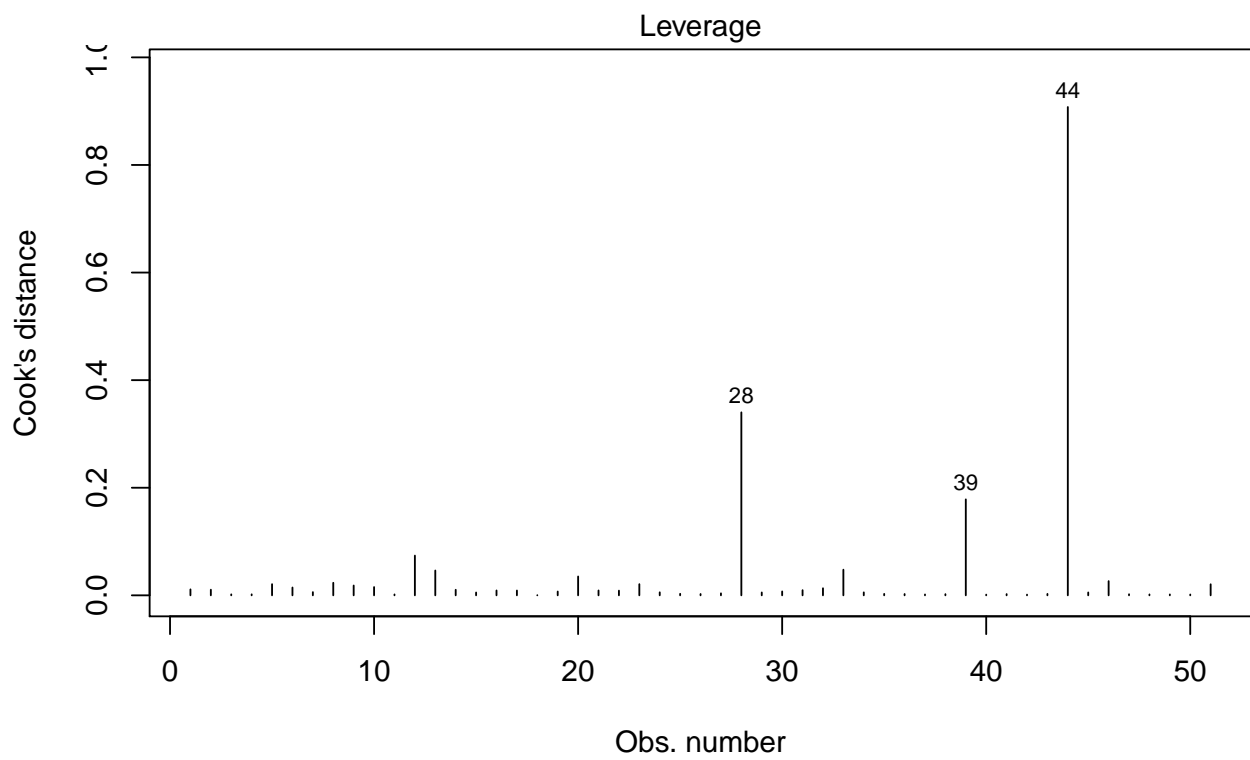
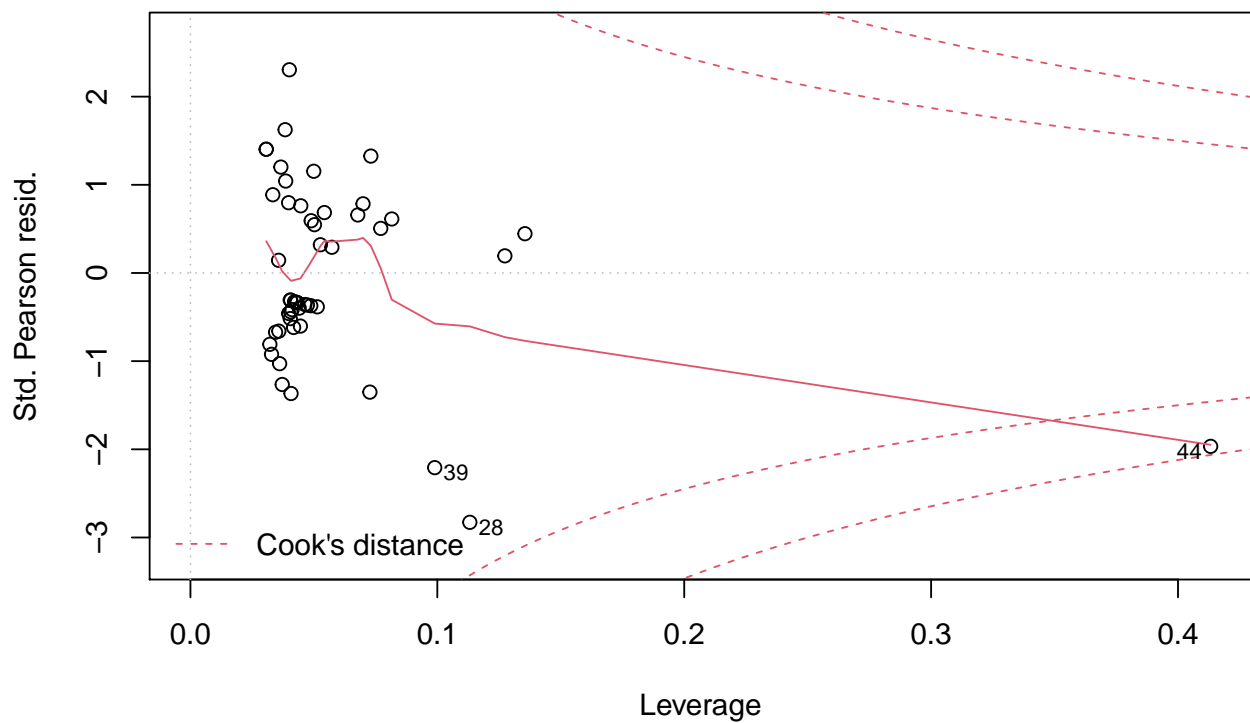
Table 40: Classifier metrics

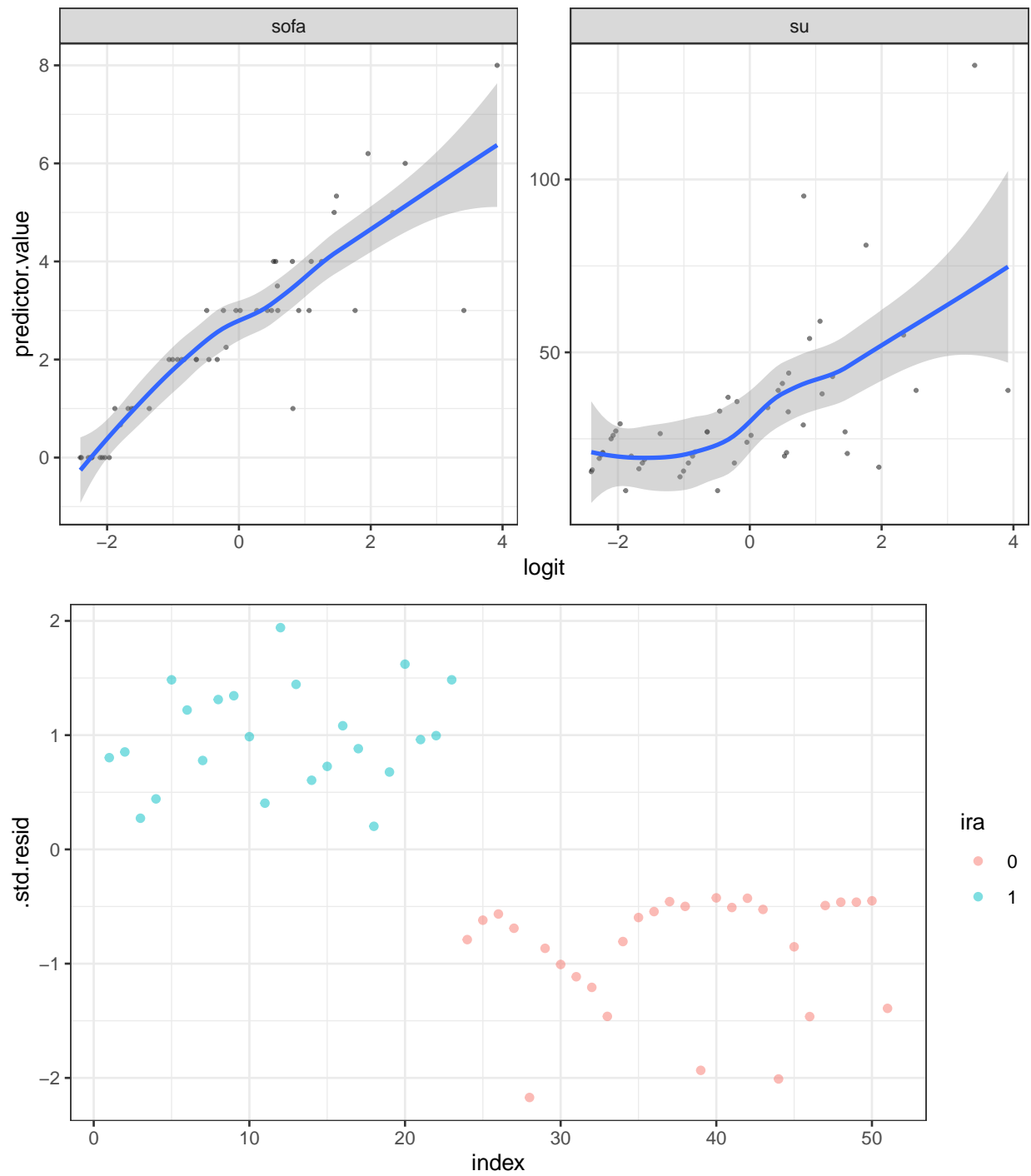
|           | threshold | specificity | sensitivity | fpr   |
|-----------|-----------|-------------|-------------|-------|
| threshold | 0.324     | 0.679       | 0.913       | 0.321 |











## Union model

Table 41: Model summary

| term        | estimate | std.error | statistic | p.value |
|-------------|----------|-----------|-----------|---------|
| (Intercept) | -3.901   | 1.282     | -3.042    | 0.002   |
| sofa        | 0.725    | 0.245     | 2.955     | 0.003   |
| fek         | 0.122    | 0.091     | 1.332     | 0.183   |

Table 41: Model summary (*continued*)

| term | estimate | std.error | statistic | p.value |
|------|----------|-----------|-----------|---------|
| su   | 0.029    | 0.021     | 1.353     | 0.176   |

Table 42: Model details

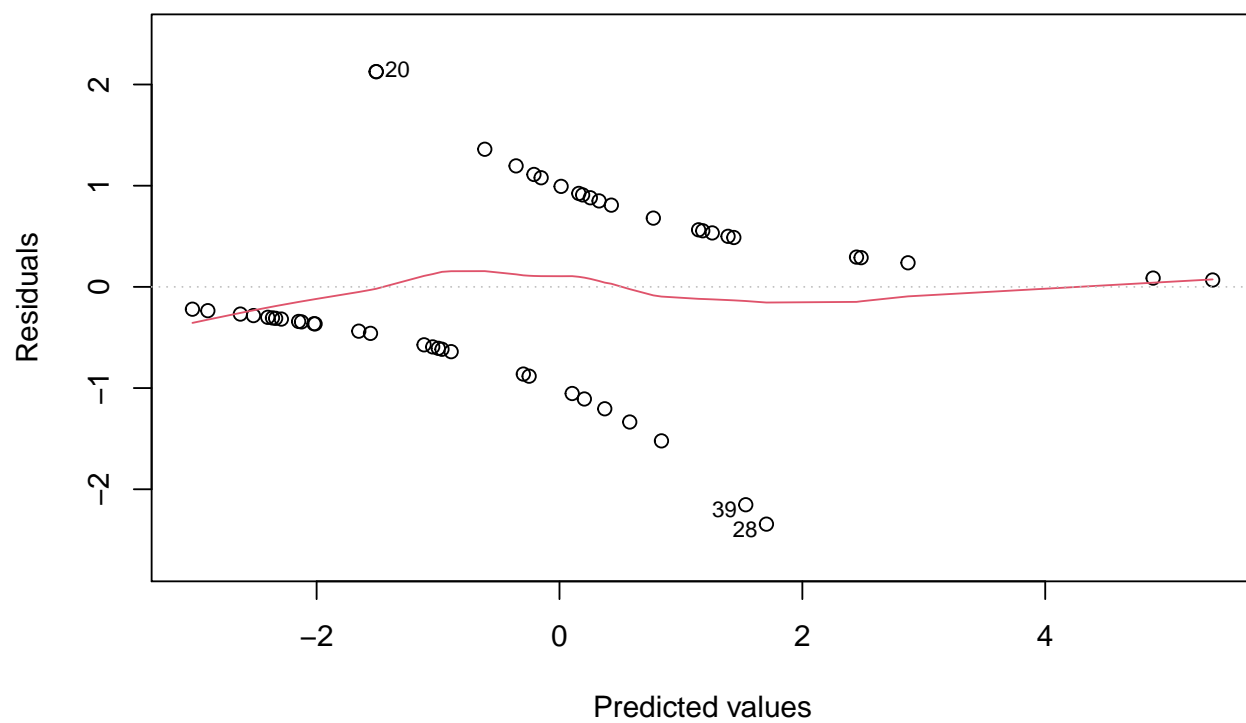
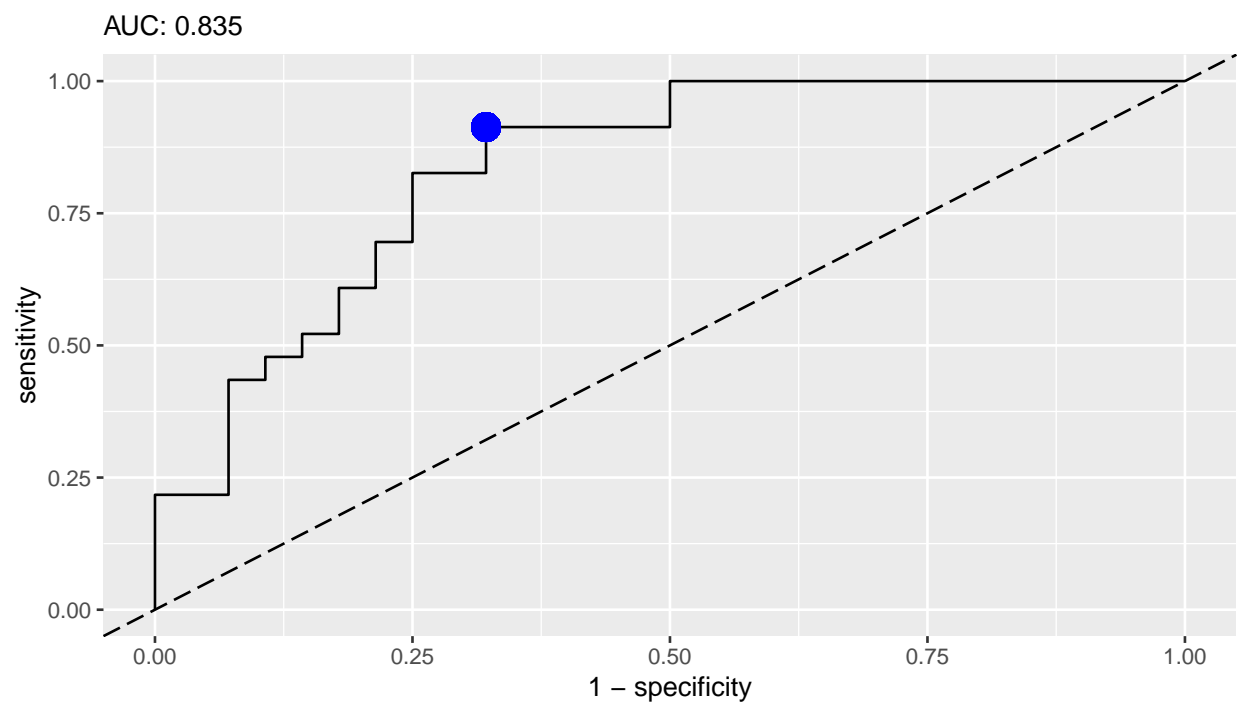
| null.deviance | df.null | logLik  | AIC    | BIC    | deviance | df.residual | nobs |
|---------------|---------|---------|--------|--------|----------|-------------|------|
| 70.21         | 50      | -24.711 | 57.422 | 65.149 | 49.422   | 47          | 51   |

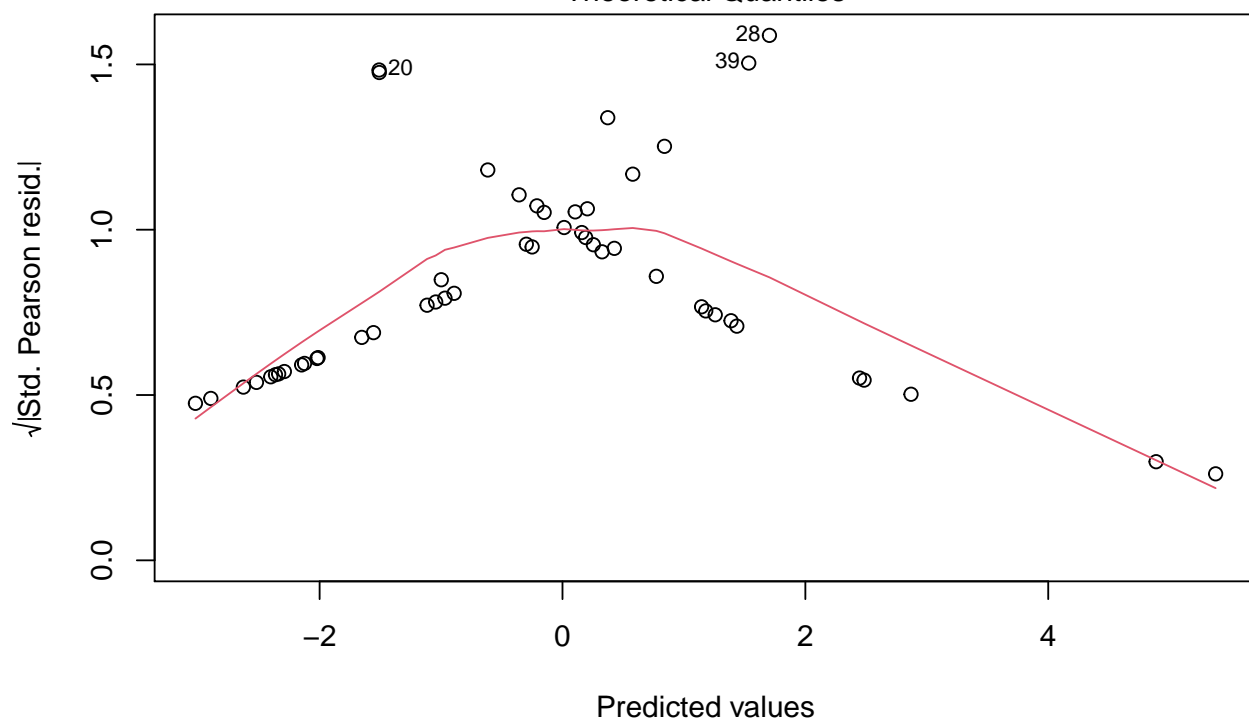
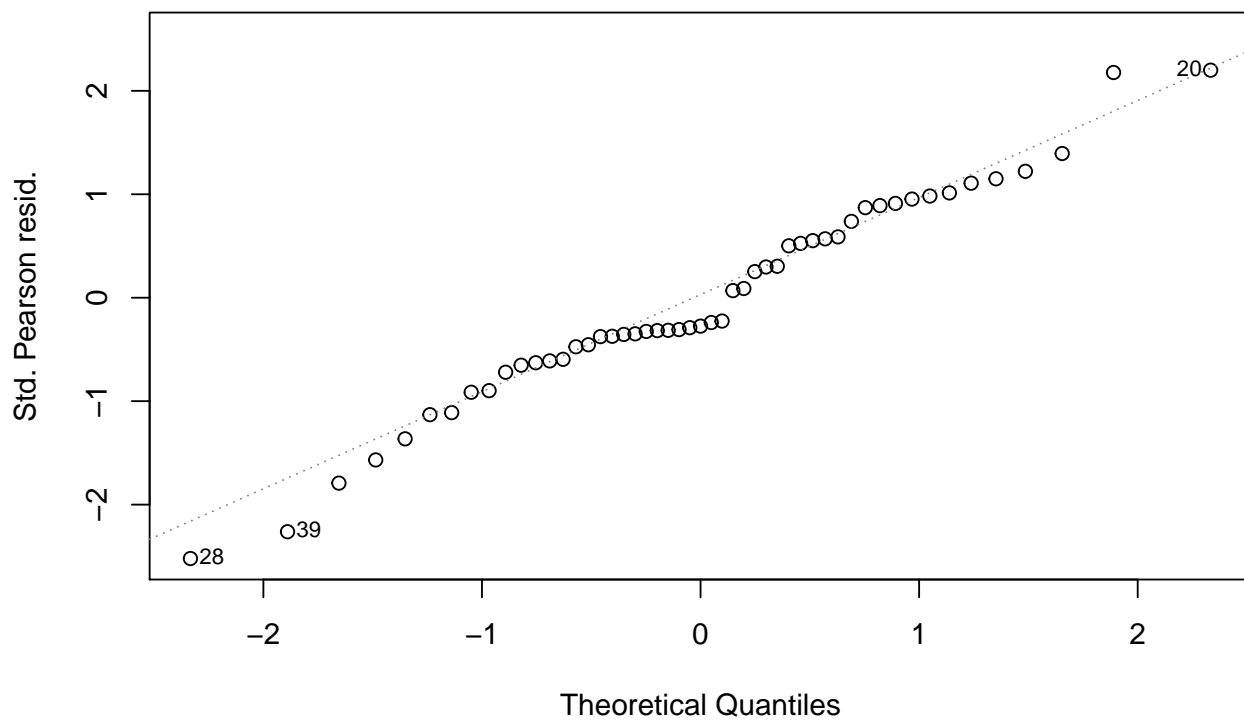
Table 43: Confidence intervals

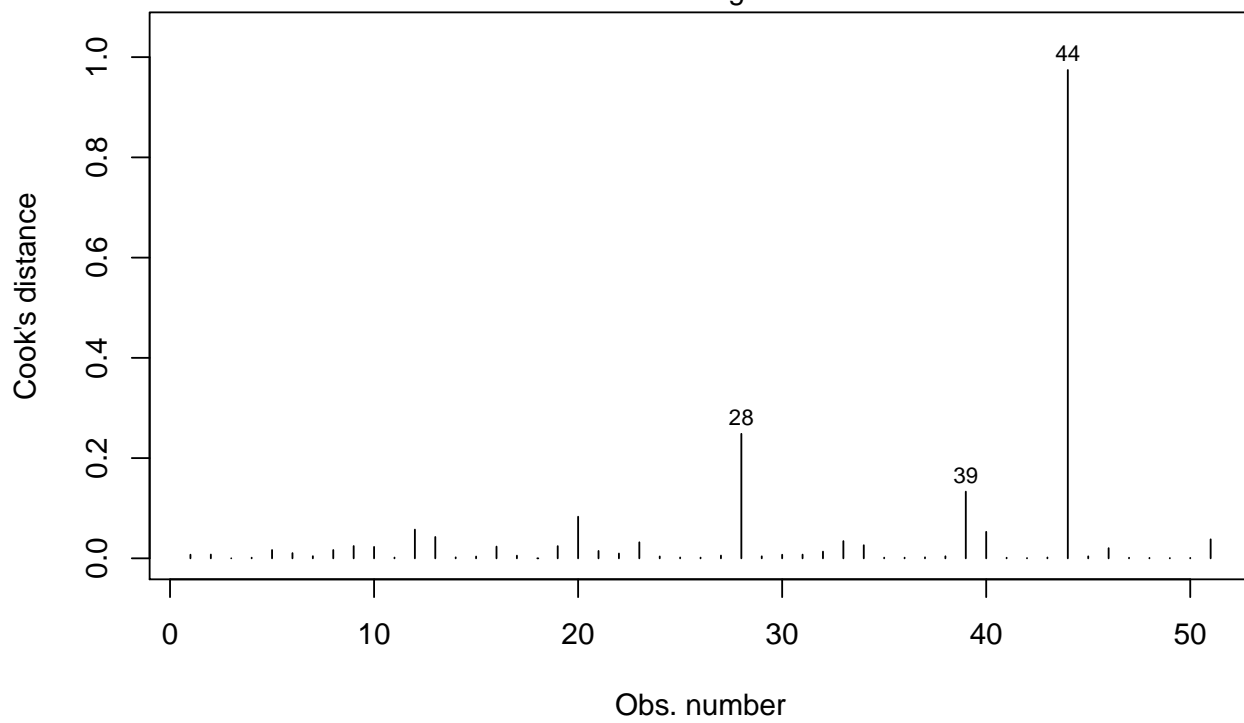
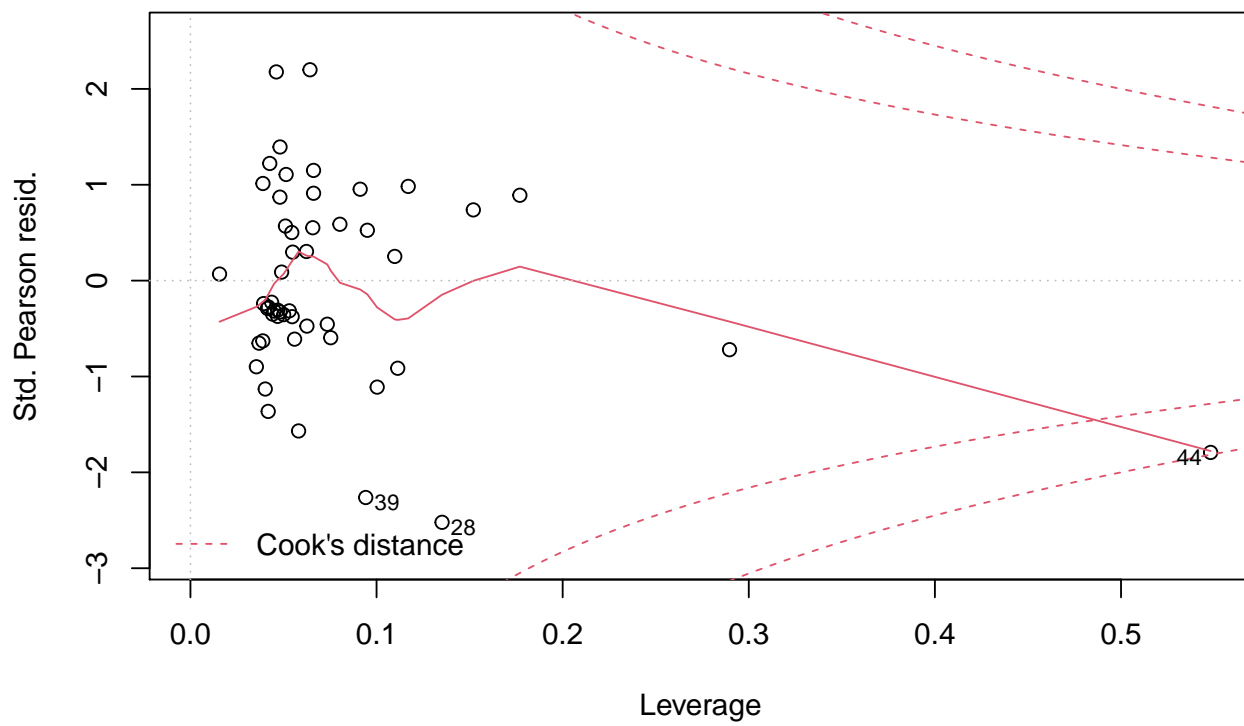
| variável    | 2.5 % | 97.5 % | estimativa |
|-------------|-------|--------|------------|
| (Intercept) | 0.002 | 0.250  | 0.020      |
| sofa        | 1.276 | 3.338  | 2.064      |
| fek         | 0.944 | 1.351  | 1.129      |
| su          | 0.987 | 1.073  | 1.029      |

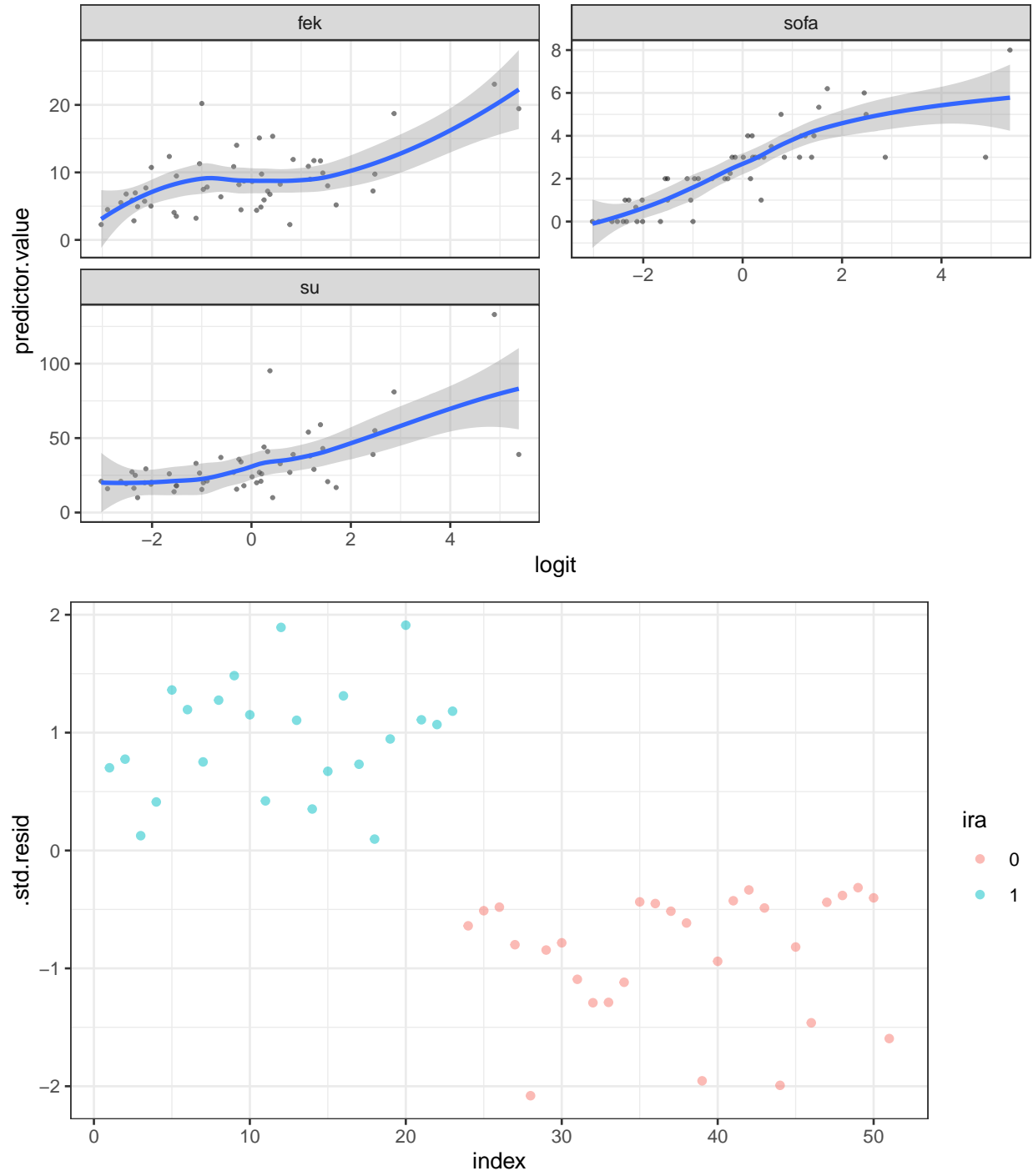
Table 44: Classifier metrics

|           | threshold | specificity | sensitivity | fpr   |
|-----------|-----------|-------------|-------------|-------|
| threshold | 0.321     | 0.679       | 0.913       | 0.321 |









## Intersection model

Table 45: Model summary

| term        | estimate | std.error | statistic | p.value |
|-------------|----------|-----------|-----------|---------|
| (Intercept) | -2.038   | 0.666     | -3.058    | 0.002   |
| sofa        | 0.765    | 0.241     | 3.179     | 0.001   |



Table 46: Model details

| null.deviance | df.null | logLik | AIC   | BIC    | deviance | df.residual | nobs |
|---------------|---------|--------|-------|--------|----------|-------------|------|
| 70.21         | 50      | -27.34 | 58.68 | 62.543 | 54.68    | 49          | 51   |

Table 47: Confidence intervals

| variável    | 2.5 % | 97.5 % | estimativa |
|-------------|-------|--------|------------|
| (Intercept) | 0.035 | 0.481  | 0.13       |
| sofa        | 1.341 | 3.446  | 2.15       |

Table 48: Classifier metrics

|           | threshold | specificity | sensitivity | fpr   |
|-----------|-----------|-------------|-------------|-------|
| threshold | 0.493     | 0.786       | 0.783       | 0.214 |

