**LOGISTIC REGRESSION**

# **DATATYPES: Here the input and output datatypes are continuous datatypes**

## **SYNTAX:**

**Claimants<-read.csv(file.choose()) # Choose the claimants dataset**

**View(claimnts) # To upload the dataset we have to check all the columns**

**Attach(claimants) # Attach the dataset for calculations**

**Fit<-lm(ATTORNEY~factor(CLMSEX)+factor(CLMINSUR)+factor(SEATBELT)+CLMAGE+LOSS)**

**# Apply linear regression on the dataset**

**Summary(fit)**

Call:

lm(formula = ATTORNEY ~ factor(CLMSEX) + factor(CLMINSUR) + factor(SEATBELT) +

CLMAGE + LOSS)

Residuals:

Min 1Q Median 3Q Max

-0.5788 -0.4742 -0.2109 0.4690 1.2620

Coefficients:

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

(Intercept) 0.3293593 0.0527899 6.239 6.29e-10 \*\*\*

factor(CLMSEX)1 0.0862542 0.0295279 2.921 0.00356 \*\*

factor(CLMINSUR)1 0.1425363 0.0497813 2.863 0.00427 \*\*

factor(SEATBELT)1 -0.1180436 0.1101692 -1.071 0.28419

CLMAGE 0.0002997 0.0007194 0.417 0.67706

LOSS -0.0105640 0.0014112 -7.486 1.46e-13 \*\*\*

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.4835 on 1090 degrees of freedom

(244 observations deleted due to missingness)

Multiple R-squared: 0.06741, Adjusted R-squared: 0.06313

F-statistic: 15.76 on 5 and 1090 DF, p-value: 5.298e-15

**Logit<-glm(ATTORNEY~factor(CLMSEX)+factor(CLMINSUR)+factor(SEATBELT)+CLMAGE+LOSS,family=binomial,data=claimants)**

**# Apply logistic regression on the dataset**

**Summary(logit)**

Call:

glm(formula = ATTORNEY ~ factor(CLMSEX) + factor(CLMINSUR) +

factor(SEATBELT) + CLMAGE + LOSS, family = binomial, data = claimants)

Deviance Residuals:

Min 1Q Median 3Q Max

-1.74474 -1.01055 -0.02547 0.95764 2.78320

Coefficients:

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

(Intercept) -0.199978 0.246769 -0.810 0.41772

factor(CLMSEX)1 0.432996 0.135706 3.191 0.00142 \*\*

factor(CLMINSUR)1 0.602173 0.231030 2.606 0.00915 \*\*

factor(SEATBELT)1 -0.781079 0.566125 -1.380 0.16768

CLMAGE 0.006487 0.003324 1.952 0.05097 .

LOSS -0.385044 0.034845 -11.050 < 2e-16 \*\*\*

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 1516.1 on 1095 degrees of freedom

Residual deviance: 1287.8 on 1090 degrees of freedom

(244 observations deleted due to missingness)

AIC: 1299.8

Number of Fisher Scoring iterations: 6

**Exp(coef(logit)) # Odds ratio**

(Intercept) factor(CLMSEX)1 factor(CLMINSUR)1 factor(SEATBELT)1 CLMAGE LOSS

0.8187490 1.5418701 1.8260829 0.4579119 1.0065085 0.6804208

**Prob<-predict(logit,type=c(“response”),claimants) # Confusion table matrix**

**Prob**

1 2 3 4 5 6 7 8 9

2.970231e-06 5.016792e-01 5.762915e-01 4.521417e-01 6.415700e-01 7.197599e-01 2.887006e-01 3.049922e-01 7.084578e-01

10 11 12 13 14 15 16 17 18

NA 2.127887e-01 1.024493e-03 4.505382e-01 6.975276e-01 7.350044e-01 5.673377e-01 7.671356e-01 6.193051e-01

19 20 21 22 23 24 25 26 27

6.038798e-01 3.210857e-01 NA 7.384916e-01 2.074101e-03 NA 4.256088e-02 6.345123e-01 6.770328e-01

28 29 30 31 32 33 34 35 36

5.612539e-01 6.238091e-01 NA 3.546010e-01 NA 5.568532e-01 6.030216e-01 3.171081e-01 3.972807e-01

37 38 39 40 41 42 43 44 45

3.257734e-01 4.341099e-01 6.148278e-01 4.260576e-01 5.682431e-01 6.489410e-02 1.211703e-01 2.079400e-02 5.640246e-01

46 47 48 49 50 51 52 53 54

NA 3.173112e-01 6.007720e-01 NA 3.700633e-01 3.785143e-01 5.931725e-01 NA NA

55 56 57 58 59 60 61 62 63

6.414805e-01 4.315197e-06 NA 9.282735e-02 7.440479e-01 5.217440e-01 NA NA NA

64 65 66 67 68 69 70 71 72

6.653118e-01 6.222573e-01 7.197762e-01 NA 6.378427e-01 5.557522e-01 5.775275e-01 9.217805e-08 5.485540e-01

73 74 75 76 77 78 79 80 81

6.021393e-01 6.311836e-01 5.574578e-01 2.863820e-01 5.741273e-01 NA 4.849379e-01 3.261919e-01 5.660798e-01

82 83 84 85 86 87 88 89 90

6.553435e-01 NA 4.124017e-01 5.843275e-01 6.231840e-01 3.146153e-01 7.319410e-01 3.365576e-01 3.163482e-01

91 92 93 94 95 96 97 98 99

NA 2.890883e-01 6.355156e-01 3.638348e-01 5.403384e-01 7.786921e-01 NA 2.491388e-06 5.503815e-02

100 101 102 103 104 105 106 107 108

5.703947e-01 5.418366e-01 7.126215e-01 6.247389e-01 NA 5.549808e-01 2.600384e-01 3.009099e-07 2.257167e-01

109 110 111 112 113 114 115 116 117

6.915123e-01 NA 6.095755e-01 7.091804e-01 1.674699e-01 NA 6.771650e-01 NA NA

118 119 120 121 122 123 124 125 126

4.297040e-01 4.867733e-01 NA 6.862460e-01 2.067411e-01 7.529408e-01 5.285603e-01 3.385482e-01 4.077497e-01

127 128 129 130 131 132 133 134 135

NA 8.532928e-02 6.141726e-01 NA 7.337525e-01 7.573118e-01 NA NA 3.360392e-01

136 137 138 139 140 141 142 143 144

5.933615e-01 NA 3.173771e-01 7.359304e-01 5.198513e-01 6.521264e-01 4.166037e-01 NA 5.268041e-02

145 146 147 148 149 150 151 152 153

4.337953e-01 7.890390e-01 5.212168e-01 8.017384e-09 3.358798e-10 6.746935e-01 9.358757e-02 NA 6.995671e-01

154 155 156 157 158 159 160 161 162

6.536552e-01 6.208575e-01 2.173464e-01 4.254108e-06 4.300573e-07 NA 5.278776e-01 3.619466e-01 5.799767e-01

163 164 165 166 167 168 169 170 171

NA 3.492176e-01 NA 5.982900e-01 6.081530e-01 6.063797e-01 2.447841e-01 7.344381e-01 5.678596e-01

172 173 174 175 176 177 178 179 180

3.181171e-01 2.987517e-01 5.796319e-01 4.397334e-01 2.283771e-01 6.585542e-01 6.551036e-01 3.264942e-01 3.517341e-02

181 182 183 184 185 186 187 188 189

3.121801e-01 6.069793e-01 5.579327e-01 NA NA 6.237673e-01 NA 6.636755e-01 NA

190 191 192 193 194 195 196 197 198

6.250588e-01 5.773416e-01 1.692446e-01 7.056014e-01 4.073862e-01 6.924722e-01 5.788357e-01 3.059782e-01 7.509581e-01

199 200 201 202 203 204 205 206 207

6.387423e-01 NA 7.159956e-01 7.309554e-01 4.412030e-01 3.981250e-01 5.509766e-01 6.184571e-01 NA

208 209 210 211 212 213 214 215 216

5.895409e-01 6.596294e-03 1.357063e-01 7.148314e-01 6.362018e-01 7.028990e-01 4.135696e-01 7.398143e-01 7.253662e-01

217 218 219 220 221 222 223 224 225

3.959042e-01 2.322568e-01 6.941917e-01 6.490576e-01 4.307054e-01 6.624348e-01 NA 4.823127e-01 5.485197e-01

226 227 228 229 230 231 232 233 234

4.731368e-01 5.772676e-01 5.501258e-01 3.294901e-01 3.811610e-01 6.597814e-01 5.633471e-01 3.730704e-01 3.625153e-01

235 236 237 238 239 240 241 242 243

NA 5.798337e-01 6.273123e-01 5.038786e-01 6.379014e-01 7.047208e-01 5.911297e-01 1.939510e-01 3.992905e-07

244 245 246 247 248 249 250 251 252

3.685169e-01 6.966581e-01 4.182465e-01 6.342876e-01 6.655399e-01 NA 6.975155e-01 7.224607e-01 2.002377e-01

253 254 255 256 257 258 259 260 261

6.437778e-01 1.713118e-01 NA 2.802224e-01 NA 3.356860e-01 5.322550e-01 1.551240e-01 6.664404e-01

262 263 264 265 266 267 268 269 270

6.344561e-01 4.034021e-01 6.763788e-01 6.145928e-01 5.716228e-01 3.893014e-01 NA 7.600887e-01 3.756184e-01

271 272 273 274 275 276 277 278 279

6.996603e-01 3.139810e-01 5.587956e-01 4.349818e-01 NA 6.381386e-01 3.841709e-01 NA 6.610945e-01

280 281 282 283 284 285 286 287 288

6.568630e-01 7.044362e-01 5.626036e-01 NA 2.222366e-01 NA 1.204714e-01 4.611915e-01 8.942955e-12

289 290 291 292 293 294 295 296 297

5.420278e-01 1.864206e-01 7.373905e-01 4.156711e-01 4.688168e-01 4.056131e-01 NA 4.132191e-01 5.522272e-01

298 299 300 301 302 303 304 305 306

7.152642e-01 NA 6.382083e-01 5.728747e-01 NA 3.528997e-01 7.002705e-01 6.496634e-01 5.683519e-01

307 308 309 310 311 312 313 314 315

3.329485e-01 6.409417e-01 7.332120e-01 5.418572e-02 5.940986e-01 5.992393e-01 4.777018e-01 4.337984e-01 5.753788e-01

316 317 318 319 320 321 322 323 324

7.070342e-01 5.987526e-01 7.023919e-01 NA 5.524693e-01 7.242446e-01 5.677365e-01 6.591807e-01 2.170219e-01

325 326 327 328 329 330 331 332 333

NA 7.561498e-01 6.928003e-01 4.059985e-01 5.266183e-01 2.554087e-01 4.233010e-01 5.526855e-01 NA

334 335 336 337 338 339 340 341 342

1.333955e-07 1.429856e-01 NA 2.888897e-01 6.789478e-01 5.443063e-01 3.303105e-01 6.942808e-01 3.306898e-01

343 344 345 346 347 348 349 350 351

5.630630e-01 6.473627e-01 5.877469e-01 3.481161e-01 5.766806e-01 5.099706e-01 5.551212e-01 3.500559e-01 1.803321e-01

352 353 354 355 356 357 358 359 360

1.508854e-01 6.392458e-01 NA 2.946686e-01 2.262594e-01 4.485978e-01 8.049501e-02 6.990566e-01 4.219957e-01

361 362 363 364 365 366 367 368 369

6.064503e-01 4.722487e-01 NA 2.220446e-16 6.750571e-01 4.763683e-01 NA 5.997555e-01 5.234818e-01

370 371 372 373 374 375 376 377 378

5.959743e-01 6.867461e-01 4.086772e-01 6.709770e-01 NA 9.490528e-02 2.689508e-01 6.776721e-01 3.108628e-01

379 380 381 382 383 384 385 386 387

7.050214e-01 2.974119e-01 6.239345e-01 4.585240e-01 9.852664e-02 6.452688e-01 5.231472e-01 NA 6.750492e-01

388 389 390 391 392 393 394 395 396

7.230078e-01 NA 2.979163e-01 6.337974e-01 6.039942e-01 6.645237e-01 6.987131e-01 NA NA

397 398 399 400 401 402 403 404 405

6.317638e-01 NA NA NA 2.247696e-01 NA 2.394672e-03 6.945836e-09 NA

406 407 408 409 410 411 412 413 414

2.054721e-01 2.652393e-01 NA 5.407058e-01 NA 1.963797e-08 6.842905e-01 3.135422e-01 5.182926e-01

415 416 417 418 419 420 421 422 423

1.978388e-01 7.033078e-12 5.973162e-01 2.373470e-01 6.947338e-01 2.128909e-01 5.353233e-01 6.147311e-01 5.716637e-01

424 425 426 427 428 429 430 431 432

6.723948e-01 4.229705e-01 6.157276e-01 6.795759e-01 NA NA 7.119186e-01 3.818861e-01 NA

433 434 435 436 437 438 439 440 441

1.921571e-01 2.399063e-09 NA 2.845991e-01 3.865147e-01 3.904338e-01 3.495519e-01 3.261919e-01 NA

442 443 444 445 446 447 448 449 450

NA 6.823741e-01 6.606369e-01 4.305251e-01 NA 4.682554e-01 4.650258e-01 3.743244e-01 3.629758e-01

451 452 453 454 455 456 457 458 459

4.387564e-01 5.118487e-01 NA 6.188122e-01 NA NA 9.889933e-02 7.506198e-01 NA

460 461 462 463 464 465 466 467 468

NA 6.197420e-01 6.909123e-01 5.247564e-01 5.187065e-01 5.997191e-01 NA 7.580894e-01 NA

469 470 471 472 473 474 475 476 477

3.845771e-01 5.572764e-01 2.948027e-01 NA 4.055143e-01 1.572880e-01 4.258804e-02 7.099644e-01 5.456396e-11

478 479 480 481 482 483 484 485 486

6.774963e-01 3.054460e-01 7.022260e-01 6.620511e-01 7.448579e-01 6.652618e-01 NA NA 6.537363e-01

487 488 489 490 491 492 493 494 495

6.823868e-01 3.792233e-01 NA 4.194423e-01 NA NA 7.121003e-01 4.365051e-01 4.567356e-01

496 497 498 499 500 501 502 503 504

NA 5.646807e-01 6.736324e-01 6.934183e-01 1.965194e-01 1.325556e-01 3.039156e-01 9.086265e-02 5.727719e-01

505 506 507 508 509 510 511 512 513

3.340824e-01 NA 3.895130e-01 6.568630e-01 4.303142e-01 NA 5.391618e-01 4.252752e-01 5.646873e-01

514 515 516 517 518 519 520 521 522

7.732748e-01 5.726091e-01 4.507520e-01 7.685146e-01 3.130498e-01 2.864315e-01 6.850439e-01 7.526845e-01 6.408286e-01

523 524 525 526 527 528 529 530 531

NA NA 6.009930e-01 6.115430e-01 1.732818e-01 NA 3.740095e-01 5.001922e-01 NA

532 533 534 535 536 537 538 539 540

7.294958e-01 5.919672e-01 4.593704e-01 7.522129e-01 6.294975e-01 2.284711e-01 4.862847e-01 NA 6.595373e-02

541 542 543 544 545 546 547 548 549

3.623211e-01 3.964857e-01 4.028766e-01 3.265280e-01 3.353529e-01 4.268556e-01 NA NA 1.325959e-01

550 551 552 553 554 555 556 557 558

7.079321e-01 NA 3.975303e-01 2.115781e-01 5.073845e-01 NA 1.016882e-01 6.067924e-01 5.936963e-01

559 560 561 562 563 564 565 566 567

2.401781e-01 NA 2.421615e-01 3.684430e-01 NA 5.339734e-01 7.073819e-01 2.231764e-01 7.480424e-01

568 569 570 571 572 573 574 575 576

6.041702e-02 5.836612e-01 4.417189e-01 6.156096e-01 4.613238e-01 5.475140e-01 4.525117e-01 2.141580e-01 3.610844e-01

577 578 579 580 581 582 583 584 585

5.865281e-01 3.055541e-01 5.369433e-01 NA 1.913488e-01 6.103919e-01 7.024236e-01 NA 7.636955e-01

586 587 588 589 590 591 592 593 594

2.334474e-01 3.033343e-07 4.585558e-01 NA 6.704512e-01 6.975401e-01 6.673711e-01 3.026624e-01 4.225918e-01

595 596 597 598 599 600 601 602 603

7.524000e-01 1.774545e-01 7.769055e-01 6.820762e-01 6.641412e-01 7.440193e-11 5.906246e-01 NA 7.030305e-01

604 605 606 607 608 609 610 611 612

4.329154e-01 3.823453e-01 NA NA 6.476983e-01 5.852684e-01 2.272046e-01 5.955104e-01 NA

613 614 615 616 617 618 619 620 621

6.422781e-01 1.984320e-01 NA 6.633991e-01 4.383397e-01 6.680468e-03 6.887605e-01 2.987158e-01 4.823787e-01

622 623 624 625 626 627 628 629 630

3.080087e-01 5.164925e-01 4.225535e-01 NA 1.133302e-01 9.568106e-02 2.066339e-01 7.547767e-01 5.794565e-01

631 632 633 634 635 636 637 638 639

NA 5.300987e-01 3.848505e-01 5.896475e-01 4.825620e-02 7.286319e-01 6.830467e-01 3.070322e-01 6.326547e-01

640 641 642 643 644 645 646 647 648

6.023073e-01 5.135574e-01 3.084142e-01 1.166481e-01 7.077080e-01 NA 1.887468e-01 4.173698e-01 7.800924e-01

649 650 651 652 653 654 655 656 657

2.941312e-01 4.399378e-01 5.975354e-01 6.141894e-01 6.879443e-01 1.293214e-01 6.283652e-01 NA 3.397309e-01

658 659 660 661 662 663 664 665 666

4.420775e-01 2.259028e-01 5.887241e-01 NA 8.122428e-02 6.970451e-01 7.206275e-01 4.297107e-01 2.682409e-01

667 668 669 670 671 672 673 674 675

NA NA 4.750093e-01 7.684876e-01 NA 7.650279e-01 6.099499e-01 1.681020e-01 2.581206e-01

676 677 678 679 680 681 682 683 684

6.831374e-01 NA 2.656335e-01 4.457652e-01 2.785795e-01 6.782023e-01 5.496716e-01 NA 6.079280e-01

685 686 687 688 689 690 691 692 693

1.514905e-01 NA 6.754864e-01 7.300320e-01 4.376198e-01 7.258517e-02 5.777012e-01 1.565836e-01 6.889701e-01

694 695 696 697 698 699 700 701 702

NA 5.966342e-01 1.378802e-01 3.661166e-01 NA 6.798176e-01 1.038767e-01 6.884223e-01 6.440560e-01

703 704 705 706 707 708 709 710 711

4.304734e-01 6.933737e-01 1.387561e-01 5.931194e-01 NA 6.858059e-01 5.939262e-01 5.937805e-01 1.351025e-01

712 713 714 715 716 717 718 719 720

2.309650e-01 6.505259e-01 NA 7.455758e-01 9.968857e-02 6.466484e-01 3.404721e-01 1.526169e-03 6.788639e-01

721 722 723 724 725 726 727 728 729

3.790854e-01 6.125919e-02 NA 3.398802e-01 6.948402e-01 5.972095e-01 6.491565e-01 2.567184e-01 3.245249e-01

730 731 732 733 734 735 736 737 738

5.697999e-01 5.945828e-01 2.791364e-01 NA 4.392689e-01 7.148197e-01 5.979197e-01 7.114870e-02 7.568331e-01

739 740 741 742 743 744 745 746 747

2.178197e-01 2.444715e-01 7.817393e-01 2.892032e-01 6.753948e-01 1.861693e-01 2.961766e-01 4.684915e-02 6.603834e-01

748 749 750 751 752 753 754 755 756

NA 3.756728e-01 6.530053e-01 6.873153e-01 NA 3.802339e-01 6.077583e-01 NA 6.571230e-01

757 758 759 760 761 762 763 764 765

5.021222e-01 3.131904e-01 5.618167e-01 2.144142e-02 4.763683e-01 5.617280e-01 2.349415e-01 6.881400e-01 2.925535e-01

766 767 768 769 770 771 772 773 774

4.467254e-01 5.931898e-01 4.134228e-01 NA 6.729546e-01 NA 7.408193e-01 NA NA

775 776 777 778 779 780 781 782 783

6.968085e-01 3.785143e-01 NA 7.019087e-01 7.353678e-01 NA 3.910755e-01 5.961175e-01 6.528857e-01

784 785 786 787 788 789 790 791 792

NA NA 5.252250e-01 3.712058e-01 5.791418e-09 NA NA 6.096194e-02 NA

793 794 795 796 797 798 799 800 801

6.698581e-01 5.589857e-01 4.387103e-01 2.089913e-01 3.988688e-01 1.614656e-01 5.904295e-01 7.202046e-01 4.725376e-01

802 803 804 805 806 807 808 809 810

6.996235e-01 3.721241e-01 3.679472e-01 3.128860e-01 NA 4.676536e-01 2.220446e-16 NA 5.941186e-01

811 812 813 814 815 816 817 818 819

NA 6.924921e-01 7.062795e-01 1.060724e-13 5.536486e-01 3.688157e-01 2.302032e-01 6.372440e-01 1.931517e-01

820 821 822 823 824 825 826 827 828

2.431866e-01 6.323535e-01 6.699509e-01 2.069113e-01 NA NA 4.301417e-01 6.295651e-01 NA

829 830 831 832 833 834 835 836 837

1.104863e-01 6.651243e-01 2.181554e-01 4.577488e-01 3.870070e-01 1.607516e-05 6.774963e-01 7.138792e-01 NA

838 839 840 841 842 843 844 845 846

7.177858e-01 3.007239e-01 NA 5.962608e-01 4.308739e-01 6.073188e-01 NA 2.757494e-01 NA

847 848 849 850 851 852 853 854 855

3.415551e-01 3.034519e-01 2.524053e-01 NA NA 6.919305e-01 5.285844e-01 5.978518e-01 NA

856 857 858 859 860 861 862 863 864

3.039719e-01 1.646278e-01 3.655866e-01 5.559690e-01 NA 4.771862e-01 NA 5.253471e-01 7.023748e-01

865 866 867 868 869 870 871 872 873

6.714276e-01 6.575564e-01 7.138792e-01 6.602102e-01 NA 3.247216e-01 6.384885e-01 4.630591e-01 NA

874 875 876 877 878 879 880 881 882

4.276437e-01 NA 5.865779e-02 NA 7.820417e-02 5.908648e-01 5.579492e-01 NA NA

883 884 885 886 887 888 889 890 891

6.301748e-01 NA 6.427515e-02 3.367295e-01 4.179308e-02 7.073340e-01 7.134167e-01 6.962314e-01 3.304944e-01

892 893 894 895 896 897 898 899 900

4.354637e-01 6.575354e-01 5.788447e-01 NA 4.533646e-01 2.820996e-01 4.442899e-03 3.784481e-01 2.516312e-01

901 902 903 904 905 906 907 908 909

5.062237e-01 6.764785e-01 NA 3.464681e-01 6.791029e-01 NA NA 6.071327e-02 6.726286e-01

910 911 912 913 914 915 916 917 918

NA 4.781298e-01 9.333978e-02 2.478837e-01 6.172971e-01 5.134760e-01 5.091720e-01 6.262974e-01 3.249212e-01

919 920 921 922 923 924 925 926 927

5.668877e-01 7.015864e-01 NA 4.319417e-01 NA 6.767003e-01 6.470882e-01 5.586741e-01 6.758296e-01

928 929 930 931 932 933 934 935 936

7.366216e-01 2.494023e-01 1.923927e-01 6.230606e-01 7.027138e-01 NA 5.905231e-01 7.269442e-01 6.778967e-01

937 938 939 940 941 942 943 944 945

7.109915e-01 NA 7.040429e-01 6.139923e-01 6.783122e-01 NA 7.002705e-01 NA 2.363663e-01

946 947 948 949 950 951 952 953 954

3.150306e-01 NA 1.073839e-01 4.679830e-01 NA 5.854212e-01 7.189379e-01 6.092954e-01 6.778584e-01

955 956 957 958 959 960 961 962 963

5.478745e-01 6.130210e-01 NA 6.063916e-01 3.122926e-01 7.248873e-01 2.732533e-01 2.696661e-06 7.295534e-01

964 965 966 967 968 969 970 971 972

6.547555e-01 NA 2.506742e-01 NA NA 4.838598e-01 2.431556e-02 5.697999e-01 6.753800e-02

973 974 975 976 977 978 979 980 981

3.805832e-01 5.565472e-01 6.978131e-01 3.186438e-01 1.870058e-01 2.220446e-16 2.333527e-01 1.860798e-01 6.416741e-01

982 983 984 985 986 987 988 989 990

5.915021e-01 NA 1.711361e-01 NA 6.317403e-01 1.152774e-01 4.797320e-01 6.870416e-01 3.125911e-01

991 992 993 994 995 996 997 998 999

1.038767e-01 NA 5.666166e-01 6.871546e-01 6.103164e-01 2.837045e-01 1.608226e-01 NA NA

1000

6.254636e-01

[ reached getOption("max.print") -- omitted 340 entries ]

**Confusion<-table(prob>0.5,claimants$ATTORNEY)**

**Confusion**

0 1

FALSE 380 125

TRUE 198 393

**Accuracy<-sum(diag(confusion)/sum(confusion)) # Model accuracy**

**Accuracy**

[1] 0.705292