**> # MODEL 3**

**> ##log(Price)**

**> gmmod3<-lm(log(Price)~.,data=gmdata)**

**> gmmod3**

Call:

lm(formula = log(Price) ~ ., data = gmdata)

Coefficients:

(Intercept) Mileage MakeChevrolet MakePontiac Cylinder Liter

9.862e+00 -8.881e-06 -6.346e-01 -6.422e-01 -9.199e-02 3.525e-01

Cruise Sound Leather

1.933e-02 1.999e-02 1.436e-02

**> summary(gmmod3)**

Call:

lm(formula = log(Price) ~ ., data = gmdata)

**Residuals:**

Min 1Q Median 3Q Max

-0.30978 -0.06502 -0.00189 0.06477 0.41267

**Coefficients:**

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

(Intercept) 9.862e+00 5.092e-02 193.666 < 2e-16 \*\*\*

Mileage -8.881e-06 5.210e-07 -17.045 < 2e-16 \*\*\*

MakeChevrolet -6.346e-01 2.033e-02 -31.205 < 2e-16 \*\*\*

MakePontiac -6.422e-01 1.966e-02 -32.671 < 2e-16 \*\*\*

Cylinder -9.199e-02 1.407e-02 -6.540 1.55e-10 \*\*\*

Liter 3.525e-01 1.598e-02 22.062 < 2e-16 \*\*\*

Cruise 1.933e-02 1.124e-02 1.719 0.0863 .

Sound 1.999e-02 1.088e-02 1.838 0.0667 .

Leather 1.436e-02 1.178e-02 1.219 0.2235

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

Residual standard error: 0.09626 on 491 degrees of freedom

Multiple R-squared: 0.9471, Adjusted R-squared: 0.9462

F-statistic: 1098 on 8 and 491 DF, p-value: < 2.2e-16

**> gmmod3$residuals**

1 2 3 4 5 6

-3.097799e-01 1.246878e-01 8.396000e-02 1.026029e-01 1.165678e-01 1.313264e-01

7 8 9 10 11 12

1.429614e-01 1.350479e-01 1.248052e-01 1.207379e-01 1.347211e-01 -6.438505e-02

13 14 15 16 17 18

-4.529814e-02 -5.960550e-02 -6.800732e-02 -5.848793e-02 -9.271033e-02 -9.682318e-02

19 20 21 22 23 24

-8.501774e-02 -8.062709e-02 -1.013774e-01 -6.761977e-02 -7.856051e-02 -6.979965e-02

25 26 27 28 29 30

-2.137978e-02 -5.708626e-02 -5.949561e-02 -5.736040e-02 -7.002660e-02 -5.797668e-02

31 32 33 34 35 36

-3.959037e-02 -2.406212e-01 -2.259247e-01 -2.280732e-01 -2.139463e-01 -2.367014e-01

37 38 39 40 41 42

-2.045870e-01 -2.062347e-01 -2.498516e-01 -2.007582e-01 -2.129458e-01 7.545786e-02

43 44 45 46 47 48

5.417263e-02 5.741689e-02 8.918871e-02 8.075787e-02 7.776235e-02 7.174398e-02

49 50 51 52 53 54

6.039454e-02 5.873253e-02 5.568681e-02 1.117388e-02 8.568763e-03 3.739391e-02

55 56 57 58 59 60

4.952779e-02 3.817791e-02 3.907791e-02 4.453993e-02 4.980963e-02 2.760174e-02

61 62 63 64 65 66

7.247310e-02 3.709466e-01 3.913552e-01 4.126714e-01 4.086087e-01 5.576806e-02

67 68 69 70 71 72

7.578015e-02 8.470388e-02 4.217811e-02 5.212875e-02 2.204921e-02 5.981240e-02

73 74 75 76 77 78

7.069665e-02 1.094591e-01 2.881271e-02 3.402986e-02 1.178377e-02 -2.467442e-02

79 80 81 82 83 84

5.543023e-02 1.107126e-02 5.994040e-02 7.859156e-02 -2.531852e-02 8.959016e-02

85 86 87 88 89 90

7.949710e-02 2.958151e-02 3.840659e-02 7.293714e-02 4.100056e-02 4.594899e-02

91 92 93 94 95 96

6.931496e-02 1.059952e-01 8.035183e-02 5.833535e-02 1.057541e-01 2.692917e-02

97 98 99 100 101 102

7.895305e-02 1.917669e-02 7.101722e-02 -2.833297e-03 7.619644e-02 6.359222e-02

103 104 105 106 107 108

1.001412e-01 1.023339e-01 6.614244e-02 -1.663382e-01 -1.001889e-01 -1.021580e-01

109 110 111 112 113 114

-9.587882e-02 -6.944715e-02 -9.177219e-02 -9.577959e-02 -8.134289e-02 -6.474314e-02

115 116 117 118 119 120

-6.165503e-02 -7.688123e-02 -6.832985e-02 -7.805109e-02 -1.259630e-01 -1.077895e-01

121 122 123 124 125 126

-6.507886e-02 -1.355713e-01 -9.568137e-02 -8.001860e-02 -3.107951e-02 -1.499201e-01

127 128 129 130 131 132

-7.261899e-02 -1.029547e-01 -6.327736e-02 -1.168426e-01 -9.464063e-02 -7.006171e-02

133 134 135 136 137 138

-1.217382e-01 -1.232447e-01 -6.362287e-02 -9.069698e-02 -7.421992e-02 -5.372318e-03

139 140 141 142 143 144

-7.796281e-02 -9.921778e-02 -4.436358e-02 -3.965611e-02 -5.156505e-02 -2.643021e-03

145 146 147 148 149 150

-7.593079e-03 -3.872175e-02 -2.729556e-02 7.428030e-03 -5.393187e-02 -1.247392e-02

151 152 153 154 155 156

-2.687820e-02 -4.195784e-02 5.060984e-02 -2.912854e-02 1.171126e-03 -2.800067e-02

157 158 159 160 161 162

-4.846090e-02 -2.243708e-02 -5.448902e-02 -5.501063e-03 -7.953696e-02 -2.849825e-02

163 164 165 166 167 168

1.235857e-02 -4.675953e-02 -5.435232e-03 -3.197673e-02 -2.717557e-02 4.613643e-02

169 170 171 172 173 174

1.236609e-03 4.215701e-02 2.227148e-03 4.802406e-03 5.063746e-02 -8.346861e-03

175 176 177 178 179 180

1.684512e-02 -7.450272e-02 -6.399505e-02 -1.454610e-01 -8.397197e-02 -1.216876e-01

181 182 183 184 185 186

-1.012987e-01 -5.384409e-02 -9.529052e-02 -8.049560e-02 -7.996176e-02 5.097775e-02

187 188 189 190 191 192

3.950574e-02 -1.953183e-03 3.791243e-02 -3.702880e-02 1.863717e-02 -1.583475e-02

193 194 195 196 197 198

7.857326e-02 1.213782e-02 1.256051e-02 1.482417e-03 -5.782285e-02 -1.203339e-02

199 200 201 202 203 204

6.094223e-03 -2.921020e-02 -3.066739e-02 -1.784688e-02 -5.596322e-02 5.607534e-03

205 206 207 208 209 210

1.610312e-02 -1.684254e-03 4.878456e-02 4.140954e-02 7.150063e-02 6.590224e-02

211 212 213 214 215 216

3.974346e-02 6.596035e-02 3.361572e-02 2.492876e-02 4.070086e-02 2.514401e-02

217 218 219 220 221 222

5.144811e-02 5.846573e-02 7.529846e-02 8.584689e-02 8.660140e-02 2.756291e-02

223 224 225 226 227 228

6.994301e-02 8.800760e-02 9.240583e-02 6.592264e-03 1.251562e-01 6.438701e-02

229 230 231 232 233 234

9.029627e-02 8.193229e-02 8.106405e-02 8.286505e-02 5.982555e-02 9.691455e-02

235 236 237 238 239 240

8.198390e-02 -5.736107e-02 -3.379430e-02 -3.792526e-02 -2.383975e-02 1.785301e-02

241 242 243 244 245 246

3.044059e-02 2.148278e-02 -1.830607e-03 -3.502994e-03 3.304252e-02 1.242720e-01

247 248 249 250 251 252

1.456980e-01 1.763057e-01 1.327279e-01 1.678380e-01 1.367413e-01 1.523067e-01

253 254 255 256 257 258

1.572409e-01 1.286578e-01 1.508737e-01 1.604513e-02 8.968029e-03 -5.472280e-03

259 260 261 262 263 264

8.737217e-03 2.372479e-02 3.698838e-05 4.123768e-02 1.813997e-02 4.415739e-02

265 266 267 268 269 270

1.127315e-02 -3.017243e-02 -4.934696e-02 -3.089515e-02 -2.822268e-02 -5.081487e-02

271 272 273 274 275 276

-1.565952e-02 -3.344509e-02 -2.834652e-02 -3.536819e-02 -4.642636e-03 -1.139049e-01

277 278 279 280 281 282

-1.322778e-01 -1.061101e-01 -1.317237e-01 -1.071239e-01 -1.500779e-01 -1.598161e-01

283 284 285 286 287 288

-1.131629e-01 -1.217448e-01 -1.203360e-01 1.352131e-01 2.231529e-01 1.902782e-01

289 290 291 292 293 294

2.277244e-01 1.934238e-01 2.032996e-01 1.762419e-01 2.636321e-01 1.864177e-01

295 296 297 298 299 300

1.847845e-01 -4.091318e-02 -1.684974e-02 -3.622465e-04 -3.740943e-03 -6.302012e-02

301 302 303 304 305 306

-2.394454e-02 -4.624067e-03 -1.150553e-02 -3.799843e-02 -3.241563e-02 -8.896777e-02

307 308 309 310 311 312

-3.124132e-02 -6.087134e-02 -3.127069e-03 -6.096321e-02 6.775981e-03 -3.576631e-02

313 314 315 316 317 318

-4.307785e-02 -3.031916e-02 -2.343083e-02 -2.751471e-02 -1.002924e-02 1.464589e-02

319 320 321 322 323 324

2.658675e-02 -6.718821e-03 2.149761e-02 -1.060005e-02 2.135108e-02 -1.468723e-03

325 326 327 328 329 330

-3.823258e-03 -5.988753e-02 -5.264191e-02 -2.953358e-02 -5.359898e-02 -1.349205e-02

331 332 333 334 335 336

-5.225135e-02 -3.451027e-02 -1.659878e-02 -5.110218e-03 5.812697e-03 -4.271503e-02

337 338 339 340 341 342

-8.122670e-02 6.615908e-03 -5.082487e-03 9.067020e-03 -2.619549e-02 -5.570424e-02

343 344 345 346 347 348

-5.619015e-02 -2.737478e-02 -5.827971e-02 -1.198131e-01 -9.390798e-02 -7.970467e-02

349 350 351 352 353 354

-5.189013e-02 -7.707893e-02 -7.177813e-02 -4.464590e-02 -1.174557e-01 -7.475568e-02

355 356 357 358 359 360

-5.289296e-02 -1.409550e-01 -1.270812e-01 -1.003372e-01 -1.448898e-01 -1.126472e-01

361 362 363 364 365 366

-9.828063e-02 -1.432158e-01 -1.222828e-01 -1.496006e-01 -8.936080e-02 -4.427876e-03

367 368 369 370 371 372

5.141897e-02 7.876689e-02 4.620250e-02 4.865255e-02 4.810036e-02 7.264889e-02

373 374 375 376 377 378

7.192154e-02 3.310479e-02 7.302609e-02 1.242905e-01 1.443762e-01 1.449489e-01

379 380 381 382 383 384

1.665825e-01 1.133926e-01 7.062096e-02 1.305172e-01 7.789978e-02 1.115076e-01

385 386 387 388 389 390

7.873202e-02 1.111955e-01 7.701256e-02 9.914474e-02 3.678306e-02 2.084460e-02

391 392 393 394 395 396

4.504398e-02 9.617926e-02 7.815359e-02 7.361640e-02 7.987455e-02 -5.092586e-02

397 398 399 400 401 402

-6.500398e-02 2.883227e-02 1.240984e-02 3.211305e-02 -6.958923e-02 -2.902174e-03

403 404 405 406 407 408

-1.211930e-02 1.986908e-02 -2.374324e-02 1.118865e-02 7.124110e-02 5.780567e-02

409 410 411 412 413 414

3.811361e-02 7.583020e-02 7.002888e-02 5.127409e-02 5.043455e-02 8.169596e-02

415 416 417 418 419 420

7.721570e-02 9.379810e-02 1.270256e-01 1.286735e-01 1.572426e-01 1.671986e-01

421 422 423 424 425 426

1.635990e-01 1.403036e-01 1.628021e-01 1.377874e-01 1.588445e-01 7.982172e-02

427 428 429 430 431 432

9.678336e-02 9.542062e-02 1.202198e-01 9.262024e-02 7.230921e-02 1.233897e-01

433 434 435 436 437 438

9.149817e-02 6.930487e-02 8.121315e-02 -1.308817e-01 -7.515395e-02 -1.106739e-01

439 440 441 442 443 444

-6.454268e-02 -8.410043e-02 -8.325730e-02 -1.016483e-01 -4.692282e-02 -9.918571e-02

445 446 447 448 449 450

-9.762044e-02 3.304931e-02 5.997434e-02 1.402496e-02 5.648562e-02 2.566861e-02

451 452 453 454 455 456

5.381238e-02 7.701691e-02 5.641663e-02 2.655335e-02 4.141208e-02 -1.017830e-01

457 458 459 460 461 462

-1.138419e-01 -9.115121e-02 -1.529294e-01 -1.549711e-01 -8.241414e-02 -7.076814e-02

463 464 465 466 467 468

-1.076173e-01 -1.350354e-01 -1.537948e-01 1.631216e-02 6.608220e-02 3.326232e-02

469 470 471 472 473 474

5.930263e-02 1.235010e-02 5.952247e-02 3.166111e-02 6.019608e-02 8.584983e-02

475 476 477 478 479 480

8.070419e-02 -1.379379e-01 -1.599368e-01 -1.348534e-01 -1.645564e-01 -1.524546e-01

481 482 483 484 485 486

-1.293661e-01 -1.506313e-01 -1.210064e-01 -1.167901e-01 -1.212066e-01 -7.850641e-02

487 488 489 490 491 492

-6.942819e-02 -8.267518e-02 -8.750517e-02 -3.877590e-02 -9.532948e-02 -1.077855e-01

493 494 495 496 497 498

-9.095987e-02 -4.739826e-02 -7.522070e-02 -6.001285e-02 -6.312814e-02 -5.217909e-02

499 500

-4.700885e-02 -3.818348e-02

> par(mfrow=c(2,2))

> plot(gmmod3)

> gm3res<-data.frame(gmdata,fittedval=fitted(gmmod2),resi=resid(gmmod2))

> gm3res

Price Mileage Make Cylinder Liter Cruise Sound Leather fittedval

1 40619.072 30082 Cadillac 8 5.7 1 1 1 0.003771217

2 33417.965 6598 Cadillac 6 2.8 1 1 1 0.006053365

3 30957.081 10625 Cadillac 6 2.8 1 1 1 0.006182583

4 31431.130 11013 Cadillac 6 2.8 1 1 1 0.006195033

5 30781.516 14937 Cadillac 6 2.8 1 1 1 0.006320945

6 30646.438 17094 Cadillac 6 2.8 1 1 1 0.006390158

7 30792.149 17870 Cadillac 6 2.8 1 1 1 0.006415058

8 30392.750 18449 Cadillac 6 2.8 1 1 1 0.006433637

9 28817.082 21039 Cadillac 6 2.8 1 0 1 0.006629956

10 29275.209 21056 Cadillac 6 2.8 1 1 1 0.006517290

11 28040.129 27484 Cadillac 6 2.8 1 1 1 0.006723550

12 39801.551 14095 Cadillac 8 4.6 1 0 1 0.004765017

13 40335.737 14743 Cadillac 8 4.6 1 0 1 0.004785810

14 39307.009 16041 Cadillac 8 4.6 1 0 1 0.004827459

15 38600.240 17138 Cadillac 8 4.6 1 0 1 0.004862660

16 38445.897 18661 Cadillac 8 4.6 1 0 1 0.004911529

17 36077.796 21966 Cadillac 8 4.6 1 0 1 0.005017579

18 35866.583 24415 Cadillac 8 4.6 1 1 1 0.004982951

19 35338.654 25163 Cadillac 8 4.6 1 0 1 0.005120164

20 36154.304 25339 Cadillac 8 4.6 1 1 1 0.005012600

21 34685.663 25421 Cadillac 8 4.6 1 0 1 0.005128442

22 42820.329 5499 Cadillac 8 4.6 1 0 1 0.004489191

23 41378.048 8125 Cadillac 8 4.6 1 0 1 0.004573453

24 40856.391 12791 Cadillac 8 4.6 1 1 1 0.004609963

25 41419.037 14452 Cadillac 8 4.6 1 0 1 0.004776472

26 37510.254 21593 Cadillac 8 4.6 1 0 1 0.005005610

27 37215.169 22211 Cadillac 8 4.6 1 0 1 0.005025441

28 36332.895 25153 Cadillac 8 4.6 1 0 1 0.005119843

29 36245.158 26250 Cadillac 8 4.6 1 1 1 0.005041832

30 32954.141 36074 Cadillac 8 4.6 1 0 1 0.005470273

31 32537.187 41829 Cadillac 8 4.6 1 1 1 0.005541726

32 35715.769 6447 Cadillac 8 4.6 1 0 1 0.004519610

33 35651.680 10555 Cadillac 8 4.6 1 1 1 0.004538215

34 35129.341 11975 Cadillac 8 4.6 1 1 1 0.004583779

35 35165.759 13449 Cadillac 8 4.6 1 1 1 0.004631077

36 32501.245 17508 Cadillac 8 4.6 1 0 1 0.004874532

37 33220.028 18661 Cadillac 8 4.6 1 0 1 0.004911529

38 32509.478 20910 Cadillac 8 4.6 1 0 1 0.004983695

39 31132.213 23124 Cadillac 8 4.6 1 1 1 0.004941525

40 31181.715 26222 Cadillac 8 4.6 1 0 1 0.005154145

41 31059.181 27544 Cadillac 8 4.6 1 1 1 0.005083353

42 42741.524 2846 Cadillac 6 3.6 1 0 1 0.005032675

43 40966.607 7476 Cadillac 6 3.6 1 1 1 0.005068029

44 38795.379 13973 Cadillac 6 3.6 1 1 1 0.005276503

45 38297.463 16754 Cadillac 6 3.6 1 0 1 0.005478951

46 37192.896 19100 Cadillac 6 3.6 1 0 1 0.005554229

47 36210.123 21778 Cadillac 6 3.6 1 0 1 0.005640160

48 36633.634 22042 Cadillac 6 3.6 1 1 1 0.005535419

49 35895.499 23056 Cadillac 6 3.6 1 1 1 0.005567956

50 34974.378 25796 Cadillac 6 3.6 1 1 1 0.005655876

51 32038.340 35326 Cadillac 6 3.6 1 1 1 0.005961673

52 48310.330 788 Cadillac 8 4.6 1 0 1 0.004338025

53 48365.981 2616 Cadillac 8 4.6 1 1 1 0.004283470

54 45061.952 13829 Cadillac 8 4.6 1 1 1 0.004643270

55 44205.876 15104 Cadillac 8 4.6 1 0 1 0.004797393

56 42377.955 18581 Cadillac 8 4.6 1 0 1 0.004908962

57 41671.583 20575 Cadillac 8 4.6 1 0 1 0.004972945

58 41516.430 23861 Cadillac 8 4.6 1 1 1 0.004965174

59 41053.482 25717 Cadillac 8 4.6 1 1 1 0.005024729

60 38208.501 31303 Cadillac 8 4.6 1 1 1 0.005203971

61 39072.392 31587 Cadillac 8 4.6 1 0 1 0.005326295

62 70755.467 583 Cadillac 8 4.6 1 1 1 0.004218236

63 68566.187 6420 Cadillac 8 4.6 1 1 1 0.004405532

64 69133.732 7892 Cadillac 8 4.6 1 1 1 0.004452765

65 66374.307 12021 Cadillac 8 4.6 1 1 1 0.004585255

66 12146.188 10011 Chevrolet 4 1.6 0 0 1 0.009270143

67 12163.820 12101 Chevrolet 4 1.6 0 0 1 0.009337207

68 11472.023 19699 Chevrolet 4 1.6 0 0 1 0.009581009

69 11017.169 20100 Chevrolet 4 1.6 0 1 0 0.009543466

70 11096.857 20334 Chevrolet 4 1.6 1 0 0 0.009572473

71 10386.040 22225 Chevrolet 4 1.6 0 0 0 0.009724864

72 11137.046 22484 Chevrolet 4 1.6 0 1 1 0.009557162

73 11045.109 24568 Chevrolet 4 1.6 1 0 1 0.009645532

74 10777.053 27906 Chevrolet 4 1.6 0 0 0 0.009907154

75 9928.188 29680 Chevrolet 4 1.6 0 0 1 0.009901277

76 12649.111 3629 Chevrolet 4 1.6 0 1 0 0.009014949

77 12314.591 4142 Chevrolet 4 1.6 0 1 0 0.009031410

78 11318.008 11156 Chevrolet 4 1.6 0 1 1 0.009193672

79 12409.949 11981 Chevrolet 4 1.6 1 1 1 0.009128432

80 11555.267 13404 Chevrolet 4 1.6 1 1 0 0.009236894

81 11700.111 15253 Chevrolet 4 1.6 1 0 0 0.009409435

82 11215.019 19945 Chevrolet 4 1.6 0 0 0 0.009651704

83 10144.952 23963 Chevrolet 4 1.6 1 1 0 0.009575708

84 10491.075 30948 Chevrolet 4 1.6 0 1 0 0.009891553

85 9954.054 37345 Chevrolet 4 1.6 0 1 1 0.010034018

86 11031.130 20156 Chevrolet 4 1.6 0 1 1 0.009482462

87 11343.054 20186 Chevrolet 4 1.6 1 1 1 0.009391712

88 11391.214 21421 Chevrolet 4 1.6 0 1 1 0.009523053

89 11247.863 21427 Chevrolet 4 1.6 1 1 1 0.009431533

90 10921.945 23119 Chevrolet 4 1.6 0 1 1 0.009577538

91 11179.954 23121 Chevrolet 4 1.6 0 1 1 0.009577602

92 11394.886 25107 Chevrolet 4 1.6 0 1 1 0.009641328

93 11070.061 25476 Chevrolet 4 1.6 0 1 1 0.009653169

94 11013.871 25746 Chevrolet 4 1.6 1 1 1 0.009570120

95 11115.014 30056 Chevrolet 4 1.6 1 1 1 0.009708418

96 11918.456 7278 Chevrolet 4 1.6 0 0 0 0.009245248

97 12408.806 10213 Chevrolet 4 1.6 0 0 1 0.009276625

98 11302.903 14627 Chevrolet 4 1.6 0 1 0 0.009367850

99 11615.021 19014 Chevrolet 4 1.6 0 1 1 0.009445818

100 10805.130 21013 Chevrolet 4 1.6 1 1 1 0.009418249

resi

1 1.190535e-03

2 -5.830799e-04

3 -4.990287e-04

4 -5.545017e-04

5 -6.212057e-04

6 -6.778715e-04

7 -7.163032e-04

8 -6.975598e-04

9 -7.391461e-04

10 -6.727544e-04

11 -7.516845e-04

12 2.474327e-04

13 1.933381e-04

14 2.164235e-04

15 2.271905e-04

16 1.885274e-04

17 2.471980e-04

18 2.973057e-04

19 1.993876e-04

20 2.466042e-04

21 2.409483e-04

22 3.433443e-04

23 3.425824e-04

24 3.373572e-04

25 1.371303e-04

26 1.576615e-04

27 1.582610e-04

28 1.264195e-04

29 2.107766e-04

30 3.837485e-05

31 2.104986e-06

32 7.717830e-04

33 7.579320e-04

34 7.515964e-04

35 7.015357e-04

36 6.723636e-04

37 5.750291e-04

38 5.624987e-04

39 7.260200e-04

40 5.089003e-04

41 5.908517e-04

42 -1.956867e-04

43 -1.273689e-04

44 -1.994701e-04

45 -3.690202e-04

46 -3.689750e-04

47 -3.850109e-04

48 -3.107355e-04

49 -2.898271e-04

50 -3.086941e-04

51 -3.748484e-04

52 2.116458e-04

53 2.635827e-04

54 6.753378e-05

55 -4.119439e-05

56 -5.126996e-05

57 -7.425468e-05

58 -5.733841e-05

59 -8.929872e-05

60 -8.809492e-05

61 -2.672915e-04

62 -4.588231e-04

63 -5.865728e-04

64 -6.495139e-04

65 -7.037516e-04

66 -1.965356e-04

67 -2.701778e-04

68 -2.445974e-04

69 -1.627192e-05

70 -7.954933e-05

71 8.753083e-05

72 -8.138141e-05

73 -1.303959e-04

74 -2.744105e-04

75 1.348236e-04

76 -1.235518e-04

77 -2.005682e-05

78 2.060495e-04

79 -1.517675e-04

80 6.582731e-05

81 -1.644763e-04

82 -2.089209e-04

83 3.525944e-04

84 -1.284026e-04

85 -1.096544e-05

86 3.870114e-05

87 -2.373381e-06

88 -1.535834e-04

89 -2.546632e-06

90 -8.902540e-06

91 -1.200225e-04

92 -2.733688e-04

93 -1.487621e-04

94 -4.149990e-05

95 -2.232504e-04

96 -8.536384e-05

97 -2.995471e-04

98 3.815096e-05

99 -1.670564e-04

100 2.019714e-04

[ reached getOption("max.print") -- omitted 400 rows ]

> head(gm3res)

Price Mileage Make Cylinder Liter Cruise Sound Leather fittedval resi

1 40619.07 30082 Cadillac 8 5.7 1 1 1 0.003771217 0.0011905349

2 33417.97 6598 Cadillac 6 2.8 1 1 1 0.006053365 -0.0005830799

3 30957.08 10625 Cadillac 6 2.8 1 1 1 0.006182583 -0.0004990287

4 31431.13 11013 Cadillac 6 2.8 1 1 1 0.006195033 -0.0005545017

5 30781.52 14937 Cadillac 6 2.8 1 1 1 0.006320945 -0.0006212057

6 30646.44 17094 Cadillac 6 2.8 1 1 1 0.006390158 -0.0006778715

**> plot(gm3res$Mileage,gm3res$resi)**

**> plot(gm3res$Cylinder,gm3res$resi)**

**> plot(gm3res$Liter,gm3res$resi)**



