**Model 2 - Plots on the end page.**

**> #1/sqrt(Price) lambda when -0.5**

> **gmmod2<-lm((1/sqrt(Price))~.,data=gmdata)**

**> gmmod2**

Call:

lm(formula = (1/sqrt(Price)) ~ ., data = gmdata)

Coefficients:

(Intercept) Mileage MakeChevrolet MakePontiac Cylinder Liter

7.742e-03 3.209e-08 2.020e-03 1.944e-03 3.191e-04 -1.267e-03

Cruise Sound Leather

-9.171e-05 -1.132e-04 -6.280e-05

> **summary(gmmod2)**

Call:

**lm(formula = (1/sqrt(Price)) ~ ., data = gmdata)**

**Residuals:**

Min 1Q Median 3Q Max

-1.095e-03 -2.379e-04 -1.108e-05 2.401e-04 1.191e-03

**Coefficients:**

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

(Intercept) 7.742e-03 1.858e-04 41.666 < 2e-16 \*\*\*

Mileage 3.209e-08 1.901e-09 16.878 < 2e-16 \*\*\*

MakeChevrolet 2.020e-03 7.420e-05 27.230 < 2e-16 \*\*\*

MakePontiac 1.944e-03 7.173e-05 27.103 < 2e-16 \*\*\*

Cylinder 3.191e-04 5.133e-05 6.218 1.08e-09 \*\*\*

Liter -1.267e-03 5.829e-05 -21.733 < 2e-16 \*\*\*

Cruise -9.171e-05 4.102e-05 -2.236 0.02583 \*

Sound -1.132e-04 3.969e-05 -2.852 0.00452 \*\*

Leather -6.280e-05 4.299e-05 -1.461 0.14468

---

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

**Residual standard error: 0.0003512 on 491 degrees of freedom**

**Multiple R-squared: 0.9426, Adjusted R-squared: 0.9417**

**F-statistic: 1009 on 8 and 491 DF, p-value: < 2.2e-16**

> **gmmod2$residuals**

1 2 3 4 5 6

1.190535e-03 -5.830799e-04 -4.990287e-04 -5.545017e-04 -6.212057e-04 -6.778715e-04

7 8 9 10 11 12

-7.163032e-04 -6.975598e-04 -7.391461e-04 -6.727544e-04 -7.516845e-04 2.474327e-04

13 14 15 16 17 18

1.933381e-04 2.164235e-04 2.271905e-04 1.885274e-04 2.471980e-04 2.973057e-04

19 20 21 22 23 24

1.993876e-04 2.466042e-04 2.409483e-04 3.433443e-04 3.425824e-04 3.373572e-04

25 26 27 28 29 30

1.371303e-04 1.576615e-04 1.582610e-04 1.264195e-04 2.107766e-04 3.837485e-05

31 32 33 34 35 36

2.104986e-06 7.717830e-04 7.579320e-04 7.515964e-04 7.015357e-04 6.723636e-04

37 38 39 40 41 42

5.750291e-04 5.624987e-04 7.260200e-04 5.089003e-04 5.908517e-04 -1.956867e-04

43 44 45 46 47 48

-1.273689e-04 -1.994701e-04 -3.690202e-04 -3.689750e-04 -3.850109e-04 -3.107355e-04

49 50 51 52 53 54

-2.898271e-04 -3.086941e-04 -3.748484e-04 2.116458e-04 2.635827e-04 6.753378e-05

55 56 57 58 59 60

-4.119439e-05 -5.126996e-05 -7.425468e-05 -5.733841e-05 -8.929872e-05 -8.809492e-05

61 62 63 64 65 66

-2.672915e-04 -4.588231e-04 -5.865728e-04 -6.495139e-04 -7.037516e-04 -1.965356e-04

67 68 69 70 71 72

-2.701778e-04 -2.445974e-04 -1.627192e-05 -7.954933e-05 8.753083e-05 -8.138141e-05

73 74 75 76 77 78

-1.303959e-04 -2.744105e-04 1.348236e-04 -1.235518e-04 -2.005682e-05 2.060495e-04

79 80 81 82 83 84

-1.517675e-04 6.582731e-05 -1.644763e-04 -2.089209e-04 3.525944e-04 -1.284026e-04

85 86 87 88 89 90

-1.096544e-05 3.870114e-05 -2.373381e-06 -1.535834e-04 -2.546632e-06 -8.902540e-06

91 92 93 94 95 96

-1.200225e-04 -2.733688e-04 -1.487621e-04 -4.149990e-05 -2.232504e-04 -8.536384e-05

97 98 99 100 101 102

-2.995471e-04 3.815096e-05 -1.670564e-04 2.019714e-04 -1.547988e-04 -6.693198e-05

103 104 105 106 107 108

-2.512085e-04 -2.426349e-04 3.131169e-05 7.508297e-04 5.045828e-04 5.288903e-04

109 110 111 112 113 114

5.717625e-04 4.630958e-04 5.849380e-04 6.671298e-04 5.962533e-04 5.339099e-04

115 116 117 118 119 120

5.943626e-04 3.996421e-04 4.339214e-04 5.503383e-04 8.002939e-04 7.078848e-04

121 122 123 124 125 126

5.522736e-04 9.381147e-04 7.271475e-04 7.543969e-04 5.344840e-04 5.474802e-04

127 128 129 130 131 132

2.443015e-04 4.216923e-04 2.471110e-04 5.144398e-04 4.178545e-04 3.123509e-04

133 134 135 136 137 138

5.858792e-04 6.348548e-04 3.812534e-04 2.593913e-04 2.378162e-04 -2.101179e-05

139 140 141 142 143 144

3.102109e-04 4.127275e-04 1.897391e-04 1.648462e-04 2.372972e-04 2.252866e-05

145 146 147 148 149 150

8.463808e-05 3.906504e-05 4.522287e-05 -9.847081e-05 1.695375e-04 2.525100e-05

151 152 153 154 155 156

1.303587e-04 1.980167e-04 -2.117155e-04 2.417582e-04 1.295442e-04 1.719710e-05

157 158 159 160 161 162

9.186000e-05 -1.119444e-05 1.773736e-04 -1.033080e-05 3.251284e-04 1.010454e-04

163 164 165 166 167 168

-7.070115e-05 1.916750e-04 5.530889e-05 3.925742e-05 2.010596e-05 -2.443241e-04

169 170 171 172 173 174

-3.868919e-05 -2.088369e-04 -3.869476e-05 -5.048254e-05 -2.341898e-04 1.785322e-05

175 176 177 178 179 180

-4.522095e-05 1.996479e-04 2.113341e-04 6.256774e-04 3.589516e-04 5.288619e-04

181 182 183 184 185 186

4.583511e-04 2.511396e-04 4.467637e-04 4.118648e-04 5.063537e-04 -3.040426e-04

187 188 189 190 191 192

-2.264934e-04 -3.817302e-05 -2.072339e-04 1.411478e-04 -1.072274e-04 5.410498e-05

193 194 195 196 197 198

-3.381828e-04 2.870916e-06 4.312753e-05 -7.328407e-05 2.267537e-04 4.185041e-05

199 200 201 202 203 204

-4.387146e-05 1.212340e-04 1.224144e-04 7.692325e-05 2.804743e-04 4.208041e-06

205 206 207 208 209 210

-4.090614e-05 -1.158426e-04 -3.008900e-04 -2.191597e-04 -3.330821e-04 -2.692873e-04

211 212 213 214 215 216

-1.549043e-04 -2.611548e-04 -1.162985e-04 -6.417660e-05 -1.124018e-04 -1.949670e-04

217 218 219 220 221 222

-2.851522e-04 -2.974829e-04 -3.762745e-04 -4.006968e-04 -3.924850e-04 -1.302796e-04

223 224 225 226 227 228

-3.079628e-04 -3.634569e-04 -3.334939e-04 -1.346284e-04 -5.907674e-04 -3.175462e-04

229 230 231 232 233 234

-4.135028e-04 -3.750418e-04 -3.803052e-04 -3.834022e-04 -2.692941e-04 -4.335406e-04

235 236 237 238 239 240

-3.705809e-04 1.446855e-04 4.984150e-05 6.878555e-05 1.098310e-05 -1.345091e-04

241 242 243 244 245 246

-1.766444e-04 -1.368702e-04 3.627544e-06 2.931728e-05 -1.149802e-04 6.327968e-05

247 248 249 250 251 252

-4.883981e-06 -2.209790e-04 -7.777773e-05 -2.847703e-04 -1.822402e-04 -2.344727e-04

253 254 255 256 257 258

-3.173401e-04 -2.241776e-04 -2.957228e-04 2.219830e-04 2.840259e-04 3.161254e-04

259 260 261 262 263 264

2.676025e-04 2.210467e-04 1.940638e-04 1.269797e-05 6.184103e-05 -2.035963e-05

265 266 267 268 269 270

6.029603e-06 -5.104687e-05 4.516300e-05 -5.189912e-05 -2.042367e-05 5.112081e-05

271 272 273 274 275 276

-7.675157e-05 -3.810175e-05 -2.607929e-05 3.872525e-06 -1.027804e-04 2.388584e-04

277 278 279 280 281 282

3.146371e-04 2.612781e-04 3.172352e-04 2.346569e-04 4.378868e-04 4.859868e-04

283 284 285 286 287 288

3.067221e-04 3.510849e-04 3.527024e-04 -5.836999e-04 -8.236187e-04 -7.468713e-04

289 290 291 292 293 294

-9.392411e-04 -7.871205e-04 -8.291327e-04 -7.416340e-04 -1.095468e-03 -7.777630e-04

295 296 297 298 299 300

-8.390803e-04 5.451612e-06 -8.148375e-05 -1.369258e-04 -1.021731e-04 1.240892e-04

301 302 303 304 305 306

-3.928259e-05 -1.102793e-04 -8.106873e-05 4.383727e-05 3.356047e-05 2.008704e-04

307 308 309 310 311 312

-2.927776e-05 1.072140e-04 -1.200638e-04 1.207111e-04 -1.537819e-04 3.275596e-05

313 314 315 316 317 318

5.192741e-05 1.903378e-05 -8.627108e-06 -2.091387e-05 -1.027813e-04 -1.933732e-04

319 320 321 322 323 324

-2.366936e-04 -1.112352e-04 -2.166579e-04 -7.628734e-05 -2.079768e-04 -1.020335e-04

325 326 327 328 329 330

-9.096574e-05 7.412532e-05 8.119826e-05 -4.548593e-06 8.804962e-05 -6.247292e-05

331 332 333 334 335 336

9.044979e-05 2.405667e-05 -5.914695e-05 -8.498979e-05 -1.392610e-04 1.194598e-05

337 338 339 340 341 342

1.746711e-04 -1.659221e-04 -1.215759e-04 -1.716274e-04 -3.689440e-05 8.009635e-05

343 344 345 346 347 348

8.528552e-05 -6.688552e-06 9.761460e-05 3.023653e-04 2.265295e-04 1.778047e-04

349 350 351 352 353 354

5.607695e-05 1.564682e-04 1.553034e-04 3.700720e-05 3.425280e-04 1.872506e-04

355 356 357 358 359 360

8.597693e-05 3.351316e-04 2.957554e-04 2.290524e-04 3.632125e-04 2.383491e-04

361 362 363 364 365 366

1.879454e-04 4.070220e-04 3.316090e-04 4.416233e-04 1.901942e-04 -1.032031e-04

367 368 369 370 371 372

-3.051842e-04 -3.857249e-04 -3.370273e-04 -2.888756e-04 -3.320915e-04 -3.786836e-04

373 374 375 376 377 378

-4.325532e-04 -2.528924e-04 -4.207334e-04 -5.448601e-04 -6.181250e-04 -6.389317e-04

379 380 381 382 383 384

-7.128678e-04 -5.792801e-04 -3.867507e-04 -5.820193e-04 -4.005412e-04 -5.177193e-04

385 386 387 388 389 390

-4.043686e-04 -3.702092e-04 -2.806320e-04 -3.586656e-04 -1.069556e-04 -5.573813e-05

391 392 393 394 395 396

-1.403545e-04 -3.665846e-04 -3.060918e-04 -2.932087e-04 -2.766217e-04 1.252700e-04

397 398 399 400 401 402

2.060959e-04 -1.303714e-04 -6.104077e-05 -1.745704e-04 2.266585e-04 -1.862873e-05

403 404 405 406 407 408

2.624489e-05 -1.389827e-04 7.250792e-05 -2.668968e-05 -2.969080e-04 -2.459017e-04

409 410 411 412 413 414

-1.842090e-04 -2.753626e-04 -2.760529e-04 -2.015339e-04 -2.416188e-04 -3.238120e-04

415 416 417 418 419 420

-3.382978e-04 -3.503202e-04 -4.495232e-04 -4.631894e-04 -5.640182e-04 -6.458874e-04

421 422 423 424 425 426

-6.026038e-04 -5.339101e-04 -6.456223e-04 -5.635825e-04 -6.303409e-04 -2.940566e-04

427 428 429 430 431 432

-4.141542e-04 -3.668651e-04 -5.026433e-04 -4.020487e-04 -3.263451e-04 -5.025153e-04

433 434 435 436 437 438

-3.861503e-04 -2.520651e-04 -2.751790e-04 4.440629e-04 2.397540e-04 3.953978e-04

439 440 441 442 443 444

2.061177e-04 3.040307e-04 3.025775e-04 4.000701e-04 1.713265e-04 3.969334e-04

445 446 447 448 449 450

3.810141e-04 -1.232119e-04 -2.283719e-04 -6.037431e-05 -2.268453e-04 -8.785716e-05

451 452 453 454 455 456

-1.893859e-04 -2.806955e-04 -1.648684e-04 -9.414911e-06 -7.053085e-05 3.514210e-04

457 458 459 460 461 462

3.528742e-04 2.700709e-04 5.456602e-04 5.653767e-04 2.468591e-04 2.094000e-04

463 464 465 466 467 468

3.538395e-04 5.015548e-04 5.836758e-04 -7.883077e-05 -2.499937e-04 -1.394740e-04

469 470 471 472 473 474

-2.228013e-04 -6.245090e-05 -2.720327e-04 -1.841963e-04 -2.767113e-04 -3.379885e-04

475 476 477 478 479 480

-3.507738e-04 4.701078e-04 5.598578e-04 4.319933e-04 5.964074e-04 5.110430e-04

481 482 483 484 485 486

4.220257e-04 5.102143e-04 3.976721e-04 4.218433e-04 4.441303e-04 5.089573e-04

487 488 489 490 491 492

4.709282e-04 4.885233e-04 4.300648e-04 2.556512e-04 4.087929e-04 4.935934e-04

493 494 495 496 497 498

4.366562e-04 3.005730e-04 3.384463e-04 2.960762e-04 3.488593e-04 3.094291e-04

499 500

2.876464e-04 2.585857e-04

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

> plot(gmmod2)

> gm2res<-data.frame(gmdata,fittedval=fitted(gmmod2),resi=resid(gmmod2))

> gm2res

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

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74 -2.744105e-04

75 1.348236e-04

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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(gm2res)**

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(gm2res$Mileage,gm2res$resi)**

**> plot(gm2res$Cylinder,gm2res$resi)**

**> plot(gm2res$Liter,gm2res$resi)**



