

MSSC 6010/Comp. Probability

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MSSC 6010



Department of Mathematics, Statistics and Computer Science

R: THE STATISTICAL SOFTWARE



MARQUETTE
UNIVERSITY

Be The Difference.

• Download and Install: [Comprehensive R Archive Network](#)

Windows

The screenshot shows the R GUI interface on Windows. The R Console window displays the following code and output:

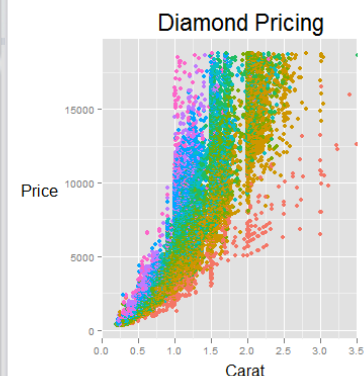
```
> team2003$teamID
[1] ANA ARI ATL BAL BOS CHA CHN CIN CLE COL DET FLO HOU KCA LAN MIL MIN MON NYA
[20] NYN OAK PHI PIT SDN SEA SFN SLN TBA TEX TOR
148 Levels: ALT ANA ARI ATL BAL BFN BFF BL1 BL2 BL3 BL4 BLA BLF BLN BLV ... WSU
> team2003$payroll
[1] 79031667 80657000 106243667 73877500 99946500 51010000 79860313
[8] 59355667 48504834 67179667 49168000 49450000 71040000 40510000
[15] 105572620 40627000 55505000 51948500 152749014 116876429 50260813
[22] 70780000 54812429 45210000 86959167 82852167 83786666 19630000
[29] 103491667 51269000
> fitted(team2003$salary,lm)
1 2 3 4 5 6 7 8
82.58287 82.90759 88.01950 81.55313 86.76340 76.98448 82.75003 76.65184
9 10 11 12 13 14 15 16
76.49996 80.21498 76.61647 76.67281 80.98623 74.08830 87.88544 74.91008
17 18 19 20 21 22 23 24
77.08252 77.17198 97.31087 90.14380 76.83480 80.93429 77.74416 75.82571
25 26 27 28 29 30
84.16569 83.34616 83.53286 70.71513 87.46969 77.03622
> team2003$W
[1] 77 84 101 71 95 86 88 69 68 74 43 91 87 83 85 68 90
[20] 66 96 86 75 64 93 100 85 63 71 86
> pairs(team2003$forpairs)
> edit(team2003)
```

Mac

The screenshot shows the RStudio interface on Mac. The R Console window displays the following code and output:

```
rgl.sr> ylen <- ylim[2] - ylim[1] + 1
rgl.sr> colorlut <- terrain.colors(ylen)
rgl.sr> col <- colorlut[y - ylim[1] + 1]
rgl.sr> rgl.clear()
rgl.sr> rgl.surface(x, z, y, color = col)
> readMe File - IBM XL
> Terrain A - Evaluation
```

• RStudio: - [Download](#)



TODAY'S LECTURE

- **Learn R (in MS Teams)**
- **Chapters 1 and 2 R Codes (in MS Teams)**
- **Homework 1 is posted (in D2L)**