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1,文件输入
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当前路径下: source("filename")

2, textoutput

sink("filename"),append参数,split参数

3, 图像输出

ggplot2:

■ 官网: http://had.co.nz/ggplot2

■ CRAN下载: http://cran.r-project.org/web/packages/ggplot2/

■ 本书网页: http://had.co.nz/ggplot2/book

■ 讨论组: http://groups.google.com/group/ggplot2

R的图形包概述: http://cran.r-project.org/web/views/Graphics.html

装饰属性

set.seed(1410) # Make the sample reproducible

dsmall < _diamonds[sample(nrow(diamonds), 100),]

gplot(carat, price, data = dsmall, colour = color)

gplot(carat, price, data = dsmall, shape = cut)

Alpha值

aplot(carat, price, data = diamonds, alpha = I(1/100))
aplot(carat, price, data = diamonds, alpha = I(1/100))
aplot(carat, price, data = diamonds, alpha = I(1/200))

几何对象

h

- geom = "point",画散点图,当提供x,v时为缺省选项
- geom = "smooth" , 画平滑曲线及标准误
- geom = "boxplot" , 画籍线图
- geom = "path" 或geom = "line" , 画连线
- geom = "histogram" , 画直方图 , 当只提供x时为缺省选项
- geom = "freapoly" , 画频率多边形
- geom = "density" , 画密度曲线
- geom = "bar" ,画柱形图

平滑曲线

 $\frac{\text{qplot}(\text{carat, price, data} = \underline{\text{dsmall, geom}} = \text{c("point", "smooth"))}}{\underline{\text{qplot}}(\text{carat, price, data} = \underline{\text{diamonds, geom}} = \text{c("point", "smooth"))}}$

多项式拟合



- method = "loess" , 对于较小的n为缺省拟合方式(n<1000)
- 弯曲程度取决于span

 $\frac{\text{aplot(carat, price, data = dsmall, geom = rc("point", "smooth"),span = 0.2)}}{\text{aplot(carat, price, data = dsmall, geom = c("point", "smooth"),span = 1)}}$

GAM

