**Lab2: Lattice Plots**

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**Code:**

> hsb2=read.table("C:/Code/DV\_Lab/Lab2/hsb2.csv", header=T, sep=",")

> attach(hsb2)

The following objects are masked from hsb2 (pos = 3):

female, id, math, prog, race, read, schtyp, science, ses, socst,

write

The following objects are masked from hsb2 (pos = 6):

female, id, math, prog, race, read, schtyp, science, ses, socst,

write

> library(lattice)

> hsb2$prog.f=factor(hsb2$prog, labels=c("low", "middle", "high"))

> histogram(~write|prog.f, hsb2)

> hsb2$female.f=factor(hsb2$female, labels=c("low", "high"))

> histogram(~write|female.f, hsb2)

> reg=lm(read~math, hsb2)

> par(mfrow=c(1:2))

> plot(reg, which=1:2)

> densityplot(~socst|prog.f, hsb2)

> #3D Plotby factor level

> cloud(math~science\*socst|hsb2$female.f, main="3D Scatterplot by Cylinders")

**Screenshots:**









