

HW6 STAT512 Fall2014

Yet Nguyen

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1.

```
setwd("~/Desktop/tk512/hw6")
dat <- read.table("HW6_data_2014.txt")
dat[,1:5][dat[,1:5]==1] <- -1
dat[,1:5][dat[,1:5]==2] <- 1
coef <- summary(lm(V6~V1*V2*V3*V4*V5, data = dat))$coef[,1]
sort.coef <- abs(coef[order(abs(coef))])
n <- 31
p <- 1/2+ (1:n-1/2)/(2*n)
q <- qnorm(p)
plot(q, sort.coef[-32], main = "haft-normal Plot",
     xlab = "nonnegative normal quantiles",
     ylab = "|estimates|")
```

