

Logit plot

Joel S Steele

```
op = par(pty='s')
plot(NA, xlim=c(0,1),ylim=c(-10,15),ylab='',xlab='p(Y=1)')
y = seq(from=.0000001,to=.9999999,length.out = 100000)
odds = y/(1-y)
logit = log(odds)
lines(y,y,col='grey20')
lines(y,odds,col='blue')
lines(y,logit,col='red')
legend('topleft',c('Probability','Odds','Logit'),
      col=c('grey20','blue','red'),lty=c(1,1,1),bty='n')
```

