```
> # Analyze Assn 3 data using R's "classical MDS" package, cmdscale
> D_cmds<-cmdscale(D, eig=TRUE, add = FALSE, x.ret = TRUE)</pre>
> plot(D_cmds$points)
  text(D_cmds$points, rownames(D))
  # use regression to aid in interpreting dimensions
>
  # E
>
  # H
>
        . . . .
  # N
        -.
  #
    S
        . . .
  # W
> # plot results of regression for # signal components
> ncomponents=c(1, 4, 2, 3, 3)
> ncompsol <-Im(ncomponents ~ D_cmds$points[,1:2])</pre>
> nxy<-ncompsol$coefficients[2:3]*300
> arrows(0, 0, nxy[1], nxy[2])
> text(nxy[1], nxy[2], "#comp")
> #plot results of regression for proportion of dots in signal
> propdot=c(100, 100, 50, 100, 33)
> propdotsol <-Im(propdot ~ D_cmds$points[,1:2])
> pxy<-propdotsol $coefficients[2:3]*10</pre>
> arrows(0, 0, pxy[1], pxy[2])
> text(pxy[1], pxy[2], "propdot")
```

