

STAT 530/J530 B.Habing Univ. of S.C.



- Multivariate Normal Distribution
- Statistical Graphics

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## Metric

A distance  $d_{ij}$  is called a *metric* if it also satisfies:

- 4) Definiteness:  $d_{ij} = 0$  if and only if i = j.
- 5) Triangle Inequality:

 $d_{ij} \leq d_{ik} + d_{jk}$ 

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## In R

source("http://www.stat.sc.edu/
 ~habing/courses/530/scdist.txt")
sc<-cmdscale(scdist,k=2)
plot(sc,type="n")
text(sc,labels=scname)</pre>

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