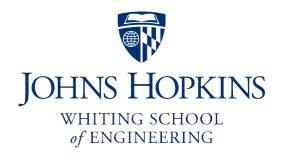
Johns Hopkins Engineering 625.464 Computational Statistics Representing the 3rd Dimension

Module 13 Lecture 13C

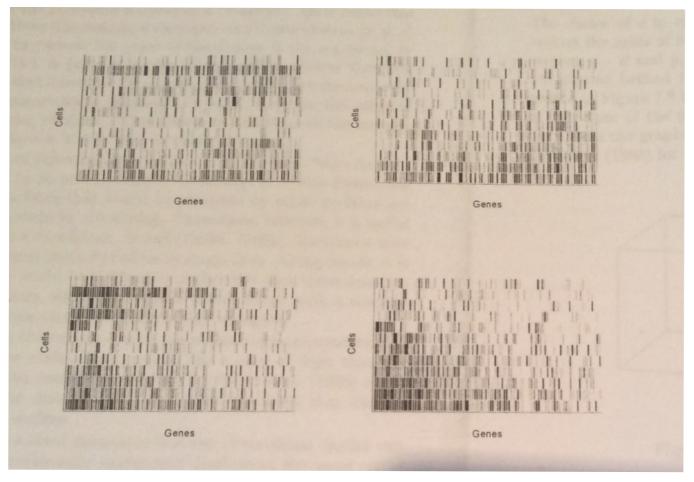


Contour Plots

- Represents 3-dim in a 2-dim graphic Contour line or 15 gar band rep-a path over which the values The Mall of 3rd dim. ave constant.

-the 3rd dim is rep. by color or a gray scale.

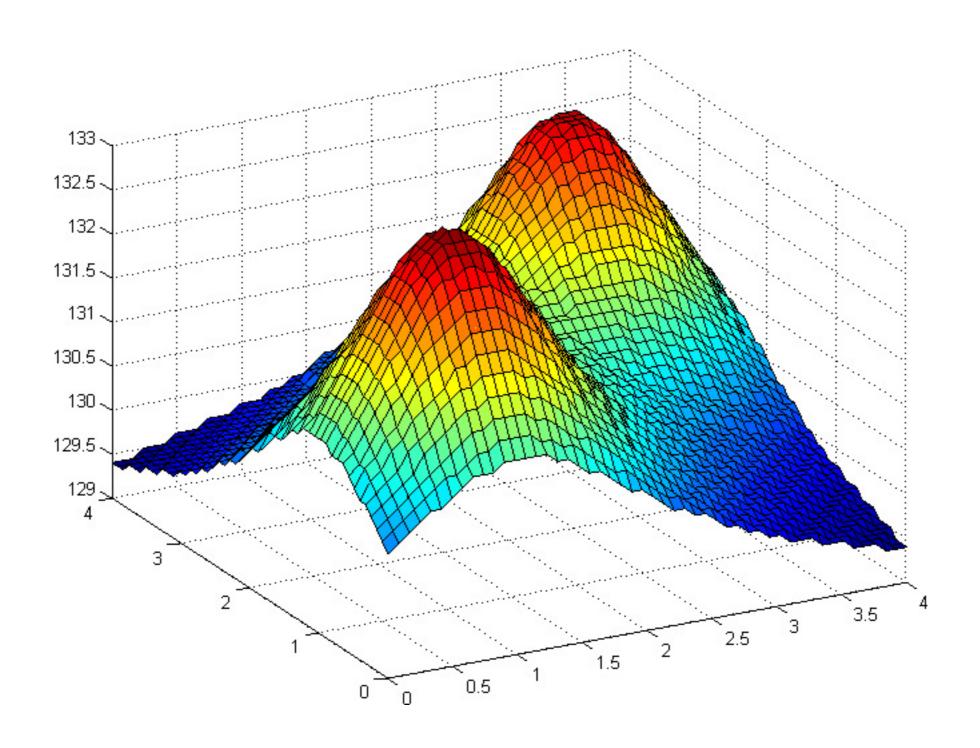
- useful in identifying structural dep. - reorder the "ind" axes has a major effect



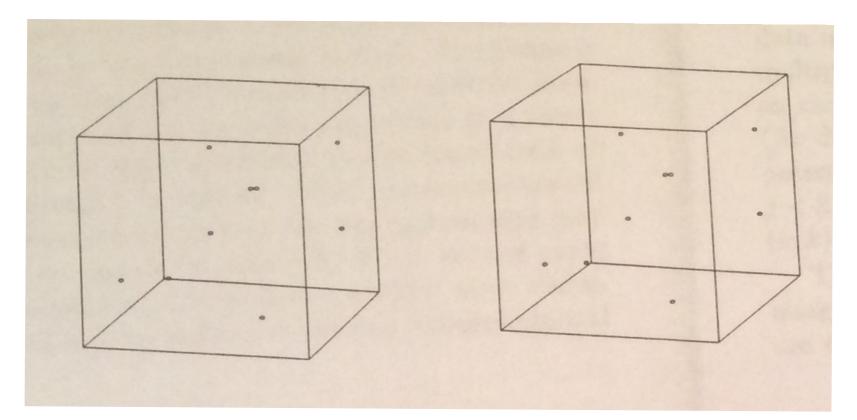
Donta rep gene expression for 500 genes in 60 cells.

Kran produce both contour plots and image plots

3-D Rendering



Stereograms



Viewing Multivariate Data

1) Use multiple 2-d views/proj into cartesian plane o(12)

2) use other types of graphical obj w/char assoc. w/each of the variables small dataset **Projections**

i) View two variables at a time using scatter plots. Nice to arrange plots so that all plots in same now have same variable on I and all plots in same col have some variable on ED SPLOM

