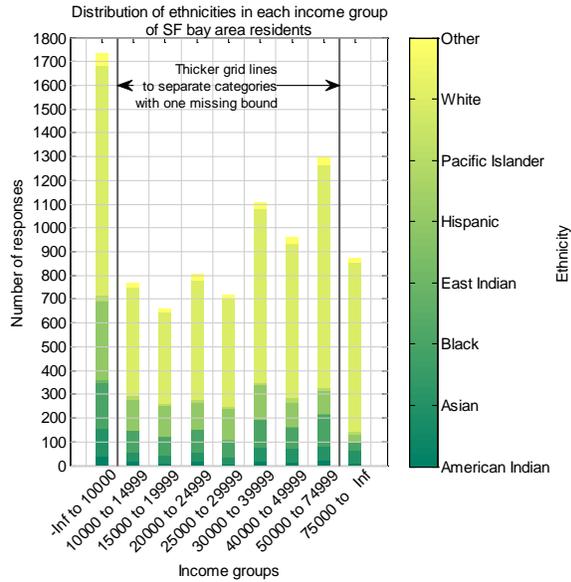
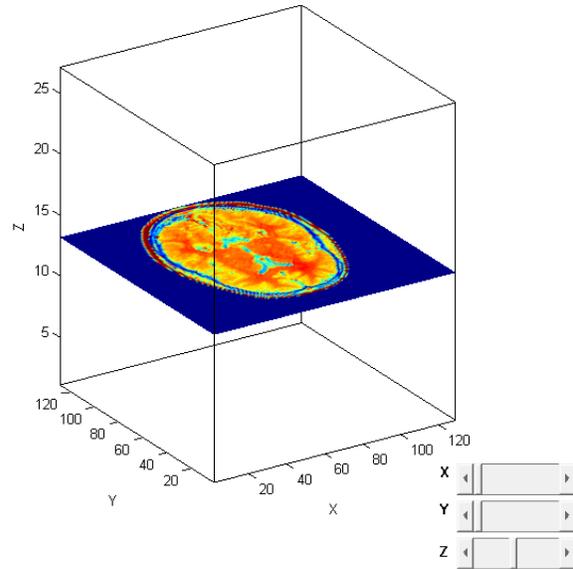


Chapter 1, TUFTE STYLE GRIDDING FOR READABILITY

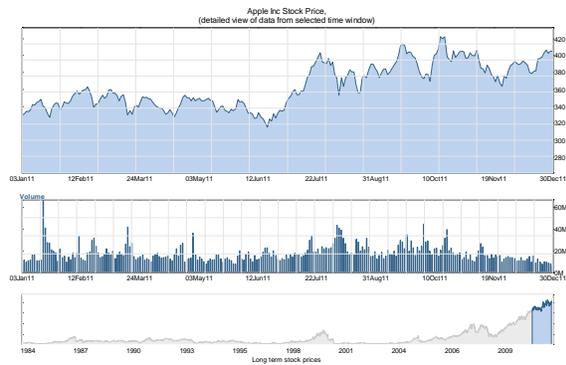


Chapter 5, SLICE (CROSS-SECTIONAL VIEWS)

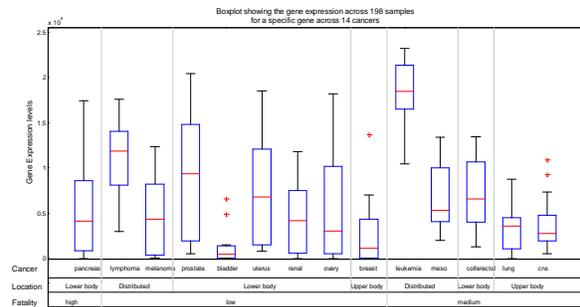
Use of user driven orthogonal slicer with the MRI dataset



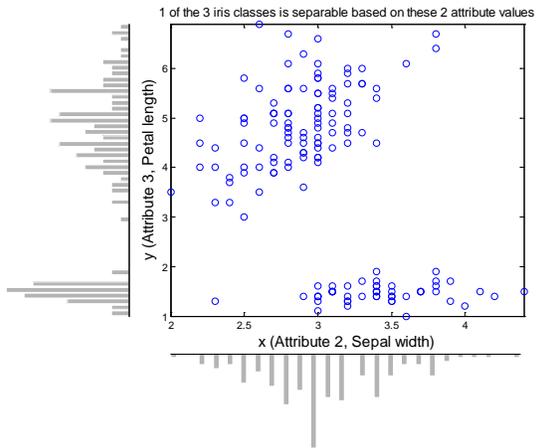
Chapter 1, DESIGNING MULTIGRAPH LAYOUTS



Chapter 2, BOXPLOTS

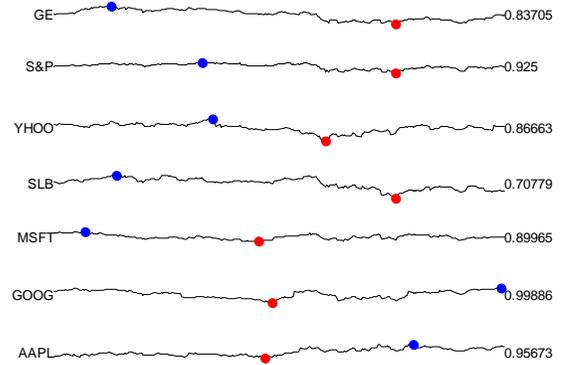


Chapter 3, TWO DIMENSIONAL SCATTER PLOTS

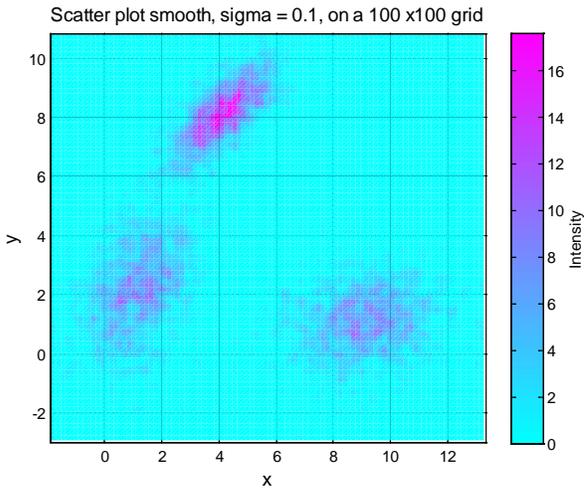


Chapter 2, SPARKLINES

SparkLines with Stock Prices (1/1/2011 to 12/31/2011)

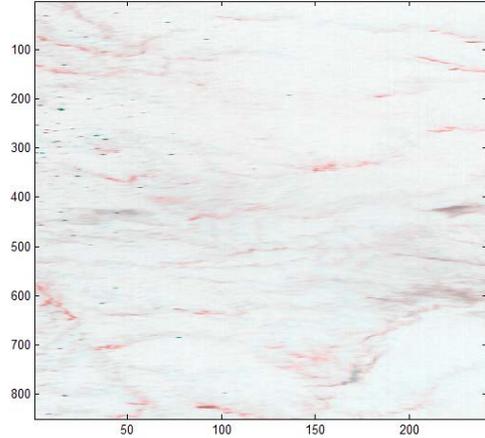


Chapter 3, SCATTER PLOT SMOOTHING

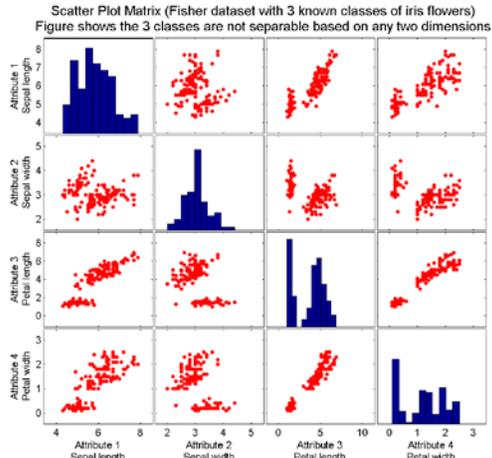


Chapter 6, FUSING HYPERSPECTRAL DATASETS

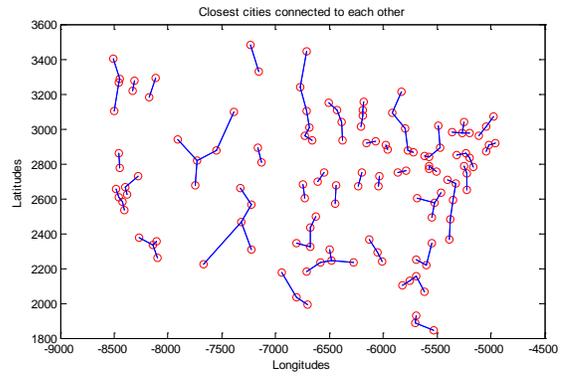
False Color Image showing the hyperspectral data from 72 spectral bands, from the 2010 oil spill in the Gulf of Mexico, collected at 2.2m GSD, covering 390-2450nm, from SpecTIR.



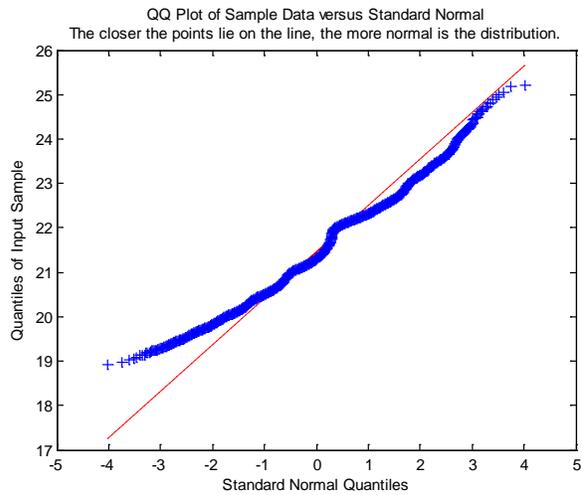
Chapter 3, TWO-DIMENSIONAL SCATTERPLOTS



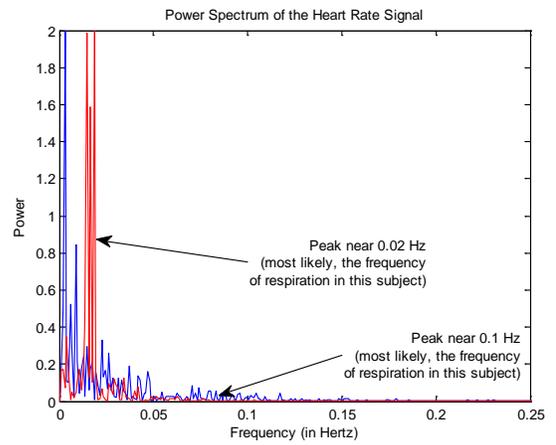
Chapter 2, NODE LINK PLOTS



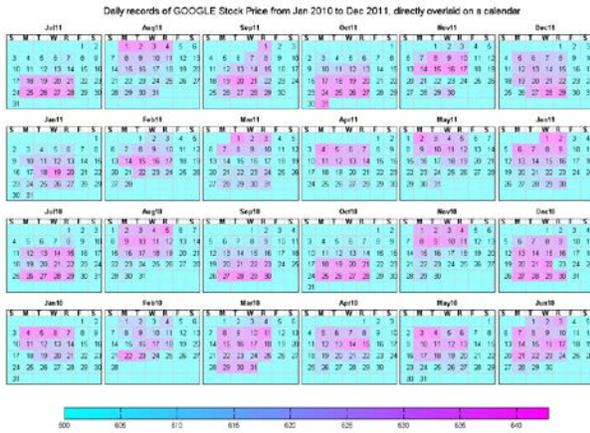
Chapter 2, DISTRIBUTIONAL DATA ANALYSIS (QQ PLOTS)



Chapter 2, TIME SERIES ANALYSIS (POWER SPECTRUM PLOT)

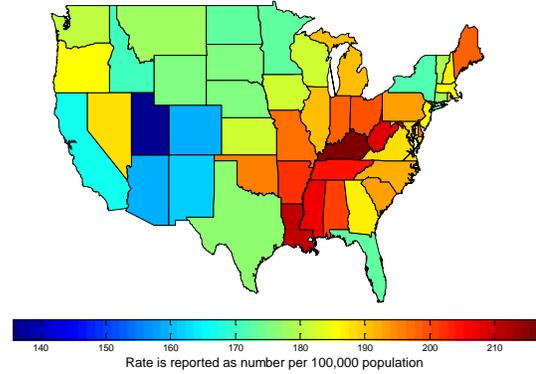


Chapter 2, CALENDAR HEAT MAP



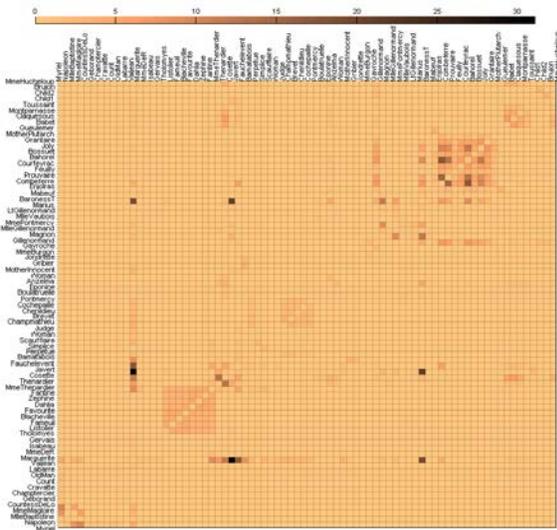
Chapter 3, CHOROPLETH MAPS

Age adjusted rate of incidence of cancer across all races from 2003 - 2007

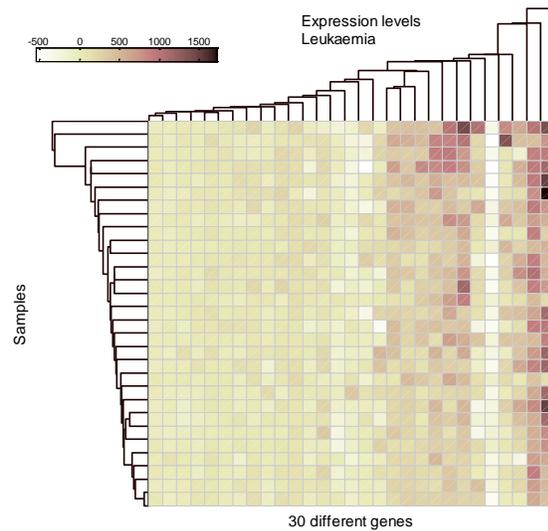


Chapter 3, 2D NODE LINK PLOTS

Number of co-appearances of characters in Les Miserables by Victor Hugo



Chapter 3, DENDOGRAMS AND CLUSTERGRAMS



Chapter 3, CONTOUR PLOTS

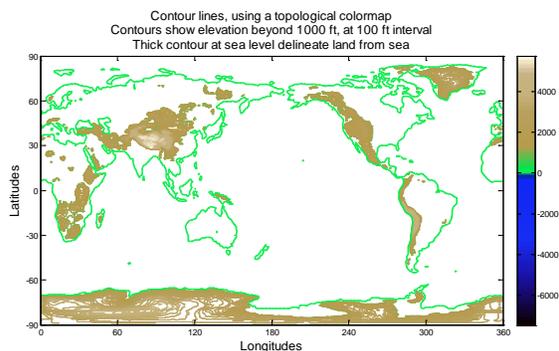
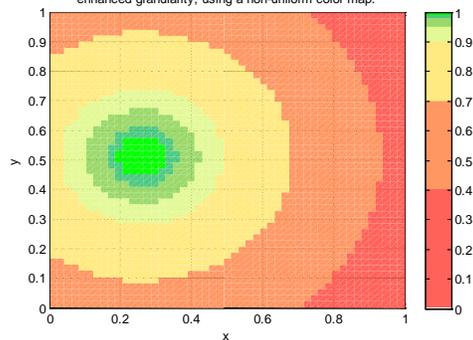
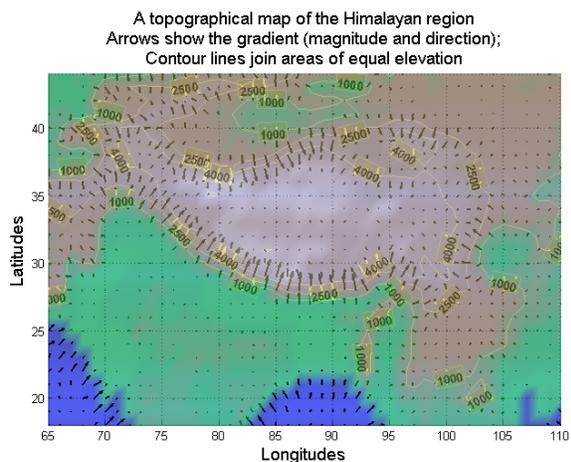


Figure shows the confidence levels for data modelled with a Gaussian function.
The distance from the center is inversely proportional to the confidence level.
Figure colors the regions of the graph with high confidence level with enhanced granularity, using a non-uniform color map.

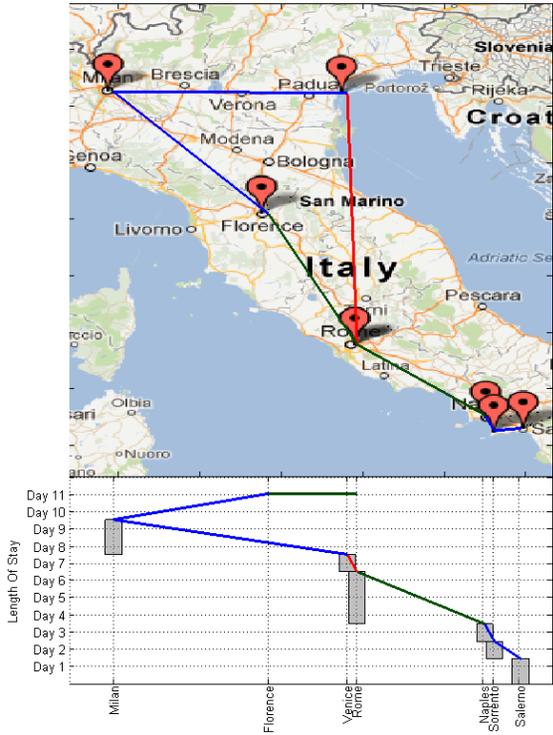


Chapter 3, THEMATIC MAPS WITH SYMBOLS

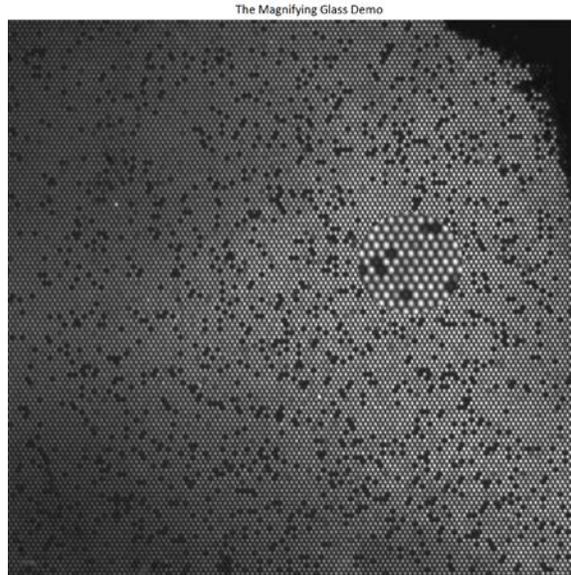


Chapter 3, FLOW MAPS

A flow map to show an itinerary for touring Italy
 Path Color shows: ROAD TRAIN AIR

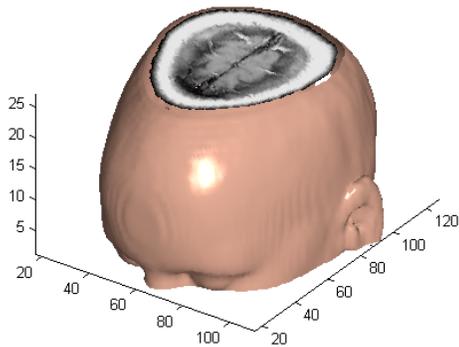


Chapter 7, THE MAGNIFYING GLASS DEMO

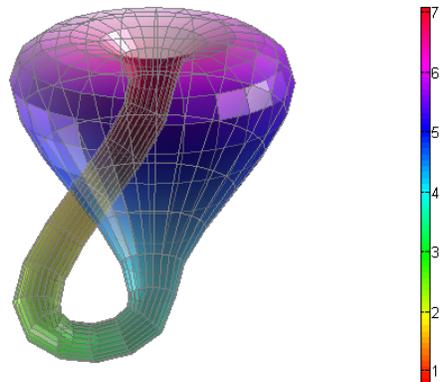


Chapter 5, ISOSURFACE, ISONORMALS, ISOCAPS

Use of **isosurface**, **isonormals**, **isocaps** and **Phong** lighting algorithm with the MRI dataset.



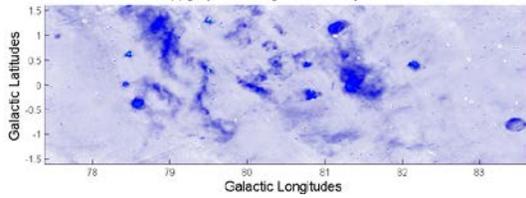
Chapter 4, INTERACTION BETWEEN LIGHT, TRANSPARENCY, AND VIEW



The Klein Bottle with surface transparency proportional to y coordinate. Two light sources have been used.

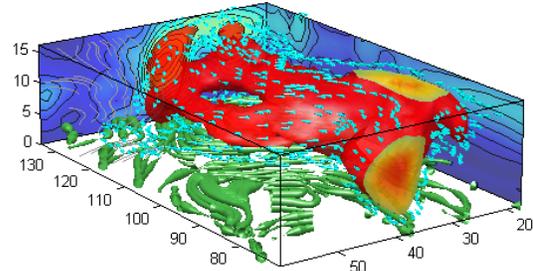
Chapter 4, TRANSPARENCY

Transparency (and color) used to encode same information; the higher the magnitude, the less transparent is the datapoint. Data was obtained from the Westerbork Synthesis Radio Telescope (WSRT) in the Netherlands, recorded in the radio frequency (327 MHz) range.



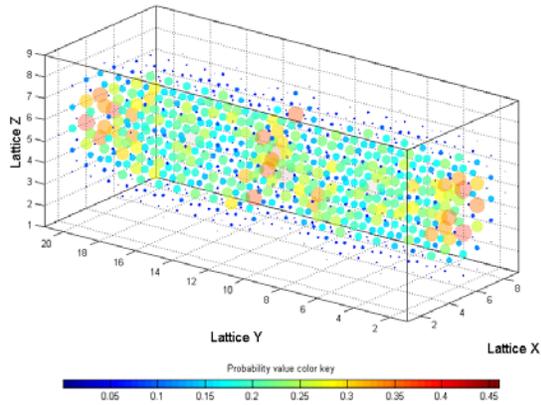
Chapter 5, SCALAR AND VECTOR DATA WITH A COMBINATION OF VISUALIZATION TECHNIQUES

Wind flow data using **isosurface**, **isocaps**, **slice**, **contourslice**, **transparency**, **coneplots** (showing wind direction), **streamlines**, **streamtubes**, **lighting**

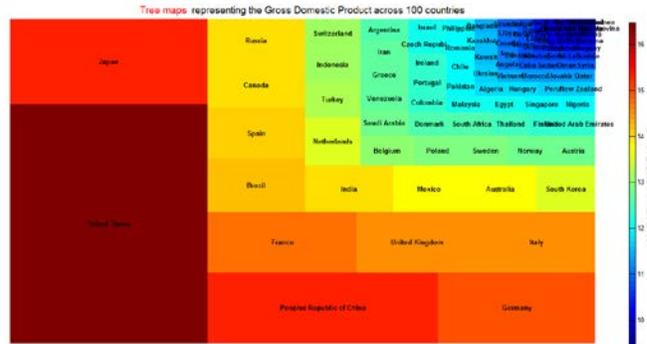


Chapter 5, 3D SCATTER PLOTS

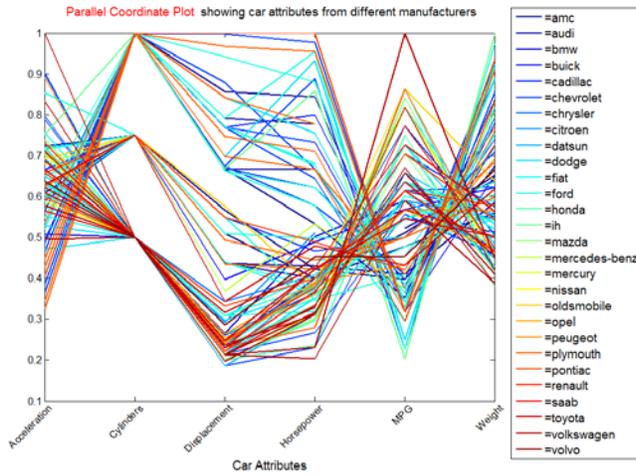
3D scatter plot with electron hopping probability cloud at each point in a lattice. Probability directly proportional to cloud size and color; inversely proportional to transparency.



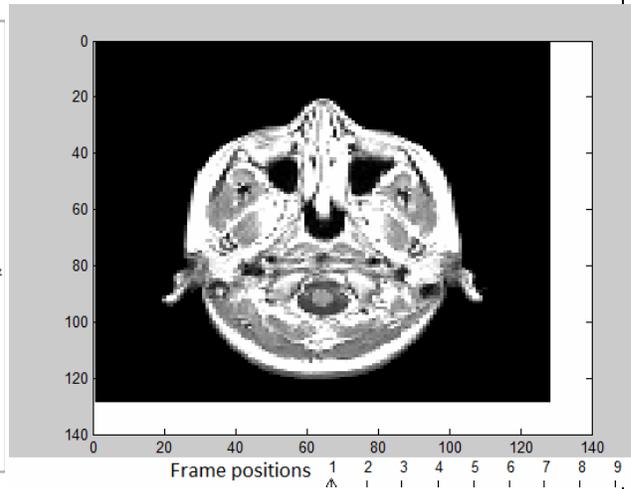
Chapter 6, TREE MAPS



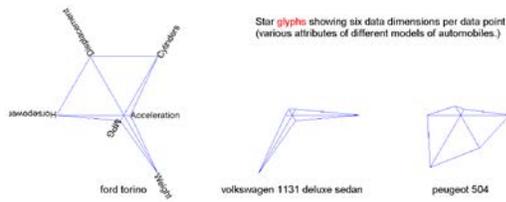
Chapter 6, PARALLEL COORDINATE PLOTS



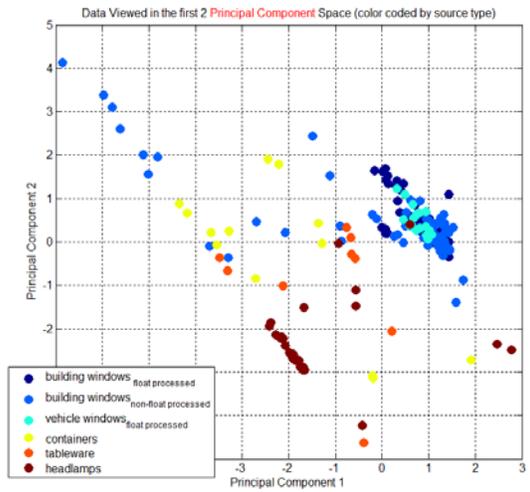
Chapter 7, ANIMATION WITH PLAYBACK OF FRAME CAPTURES



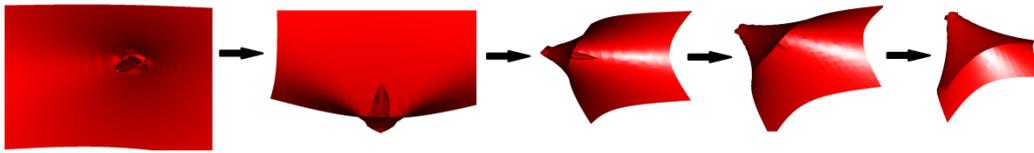
Chapter 6, GLYPHS (STARS)



Chapter 6, PRINCIPAL COMPONENT ANALYSIS

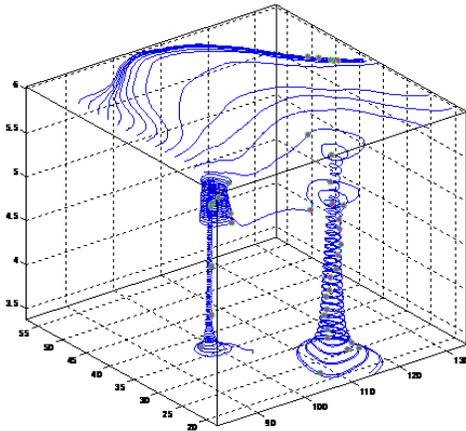


Chapter 5, CAMERA MOTION



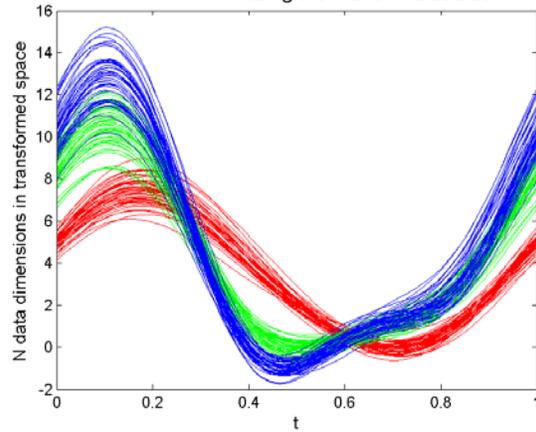
Chapter 7, STREAM PARTICLE ANIMATION

Stream particle animation

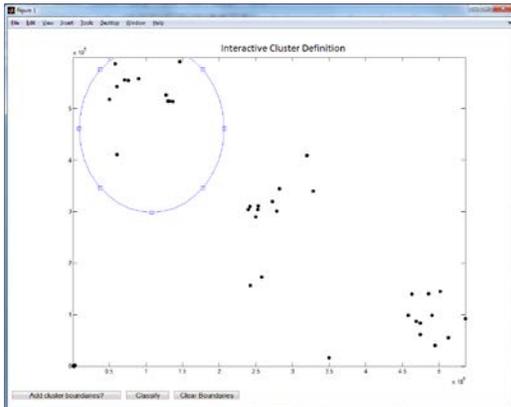


Chapter 6, ANDREWS' CURVES

Andrews Plots using the Fisher Iris dataset

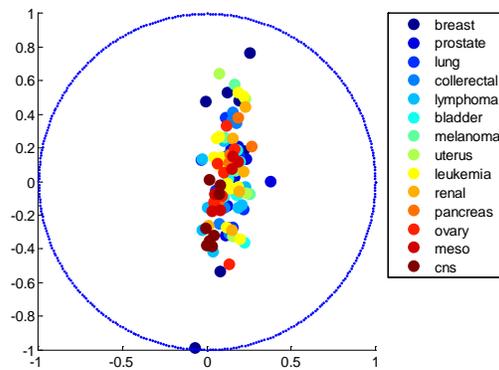


Chapter 7, OBTAINING USER INPUT FROM THE GRAPH

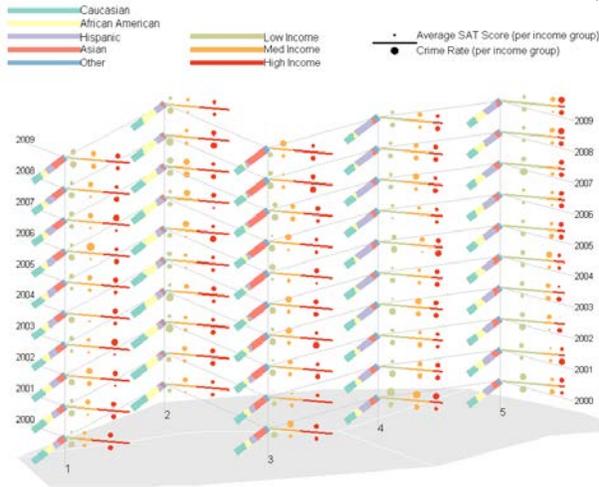


Chapter 6, RADIAL COORDINATES

Radial Coordinate Visualization . 16063 gene expression levels per sample plotted on 2D space Figure shows this data is not separable in 2D space

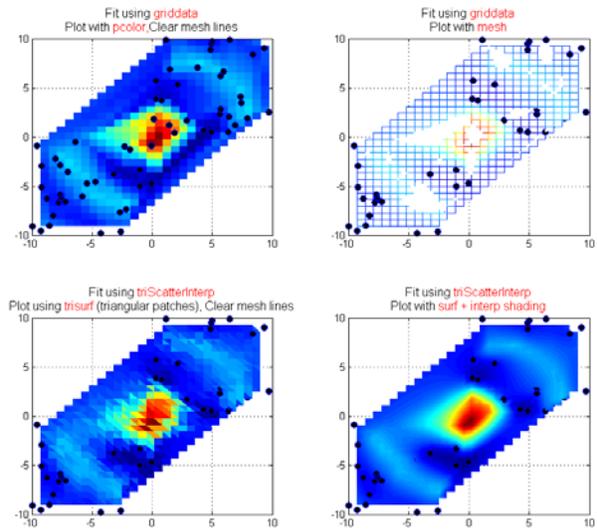


Chapter 6, SURVEY PLOTS

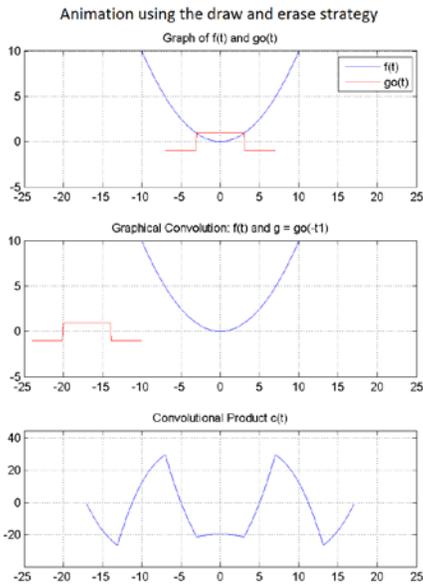


Survey plots with a decade of Crime Rate and SAT scores across five counties, split by Income Group. Also shows ethnic makeup of the data locations.

Chapter 3, GRIDDING SCATTERED DATA



Chapter 7, ANIMATION BY INCREMENTAL CHANGES TO CHART ELEMENTS



Chapter 7, DATA LINK AND BRUSH

