

36-315: Statistical Graphics and Visualization

Handout 18

Date: March 19, 2003

Statistical maps:

- Dot map—Used to show density, requires an equal-area projection.
- 3D surface map
- Contour map
- Colored-dot map
- Choropleth (colored-area) map

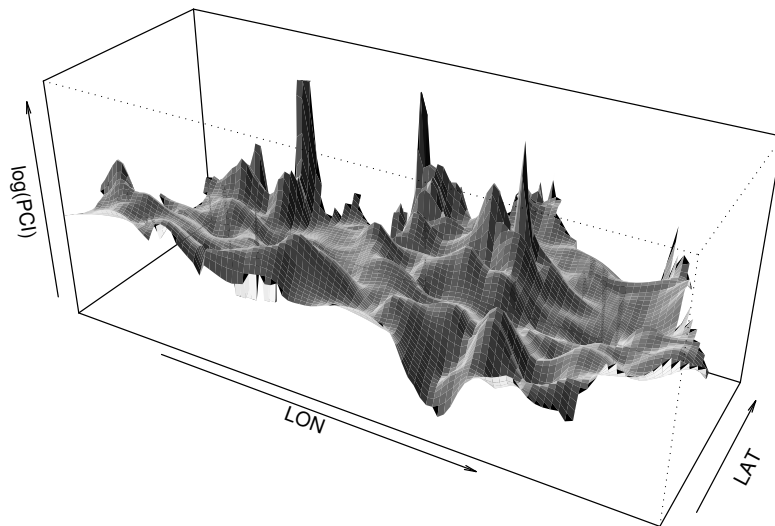
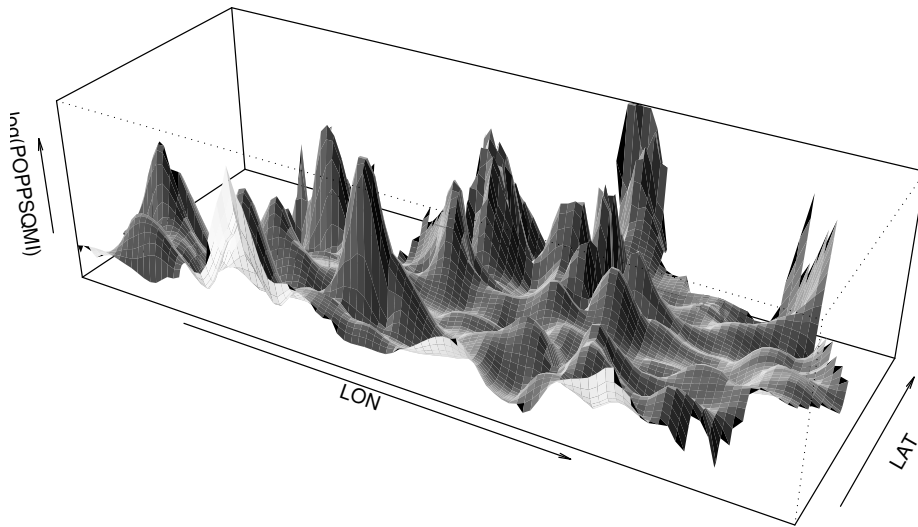
List of figures:

1. Vauthier's contour map of Paris population density (1874)
2. Flow map: Emigration from England (Minard, 1858)
3. Flow map: Napoleon's defeat in Russia (Minard, 1869)
4. 3D version of Napoleon map

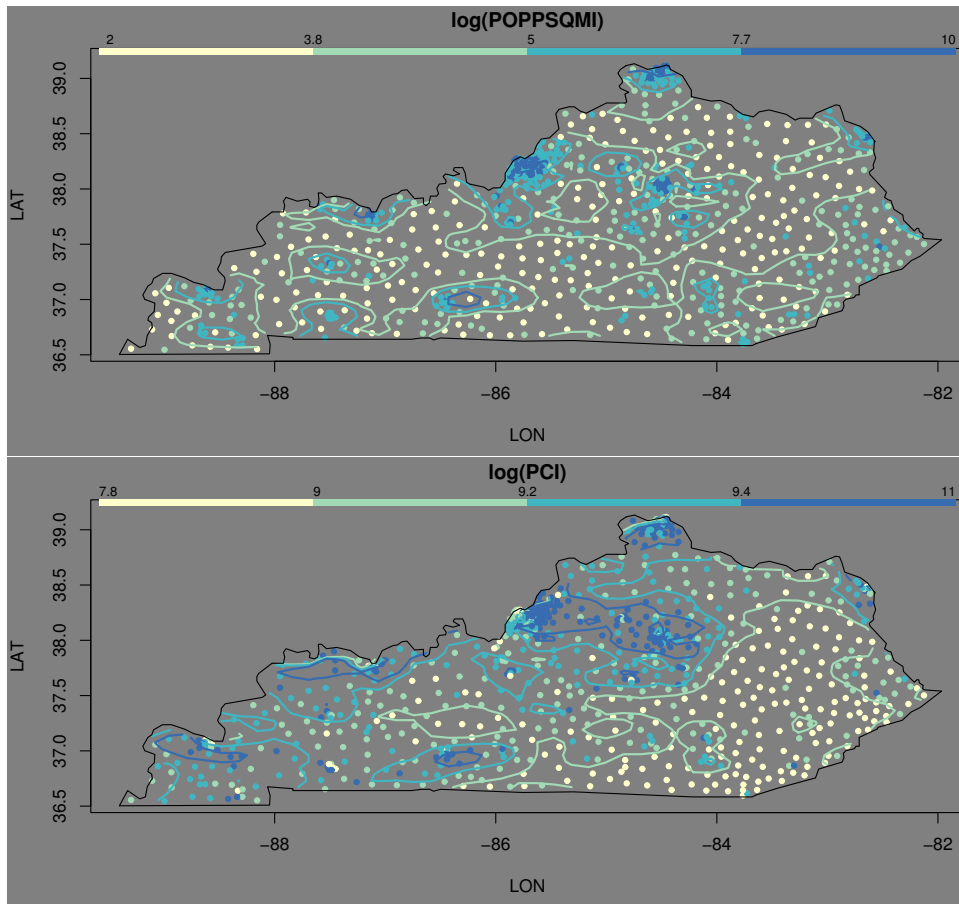
References

- [1] Michael Friendly. *Gallery of Data Visualization*.
<http://www.math.yorku.ca/SCS/Gallery/>

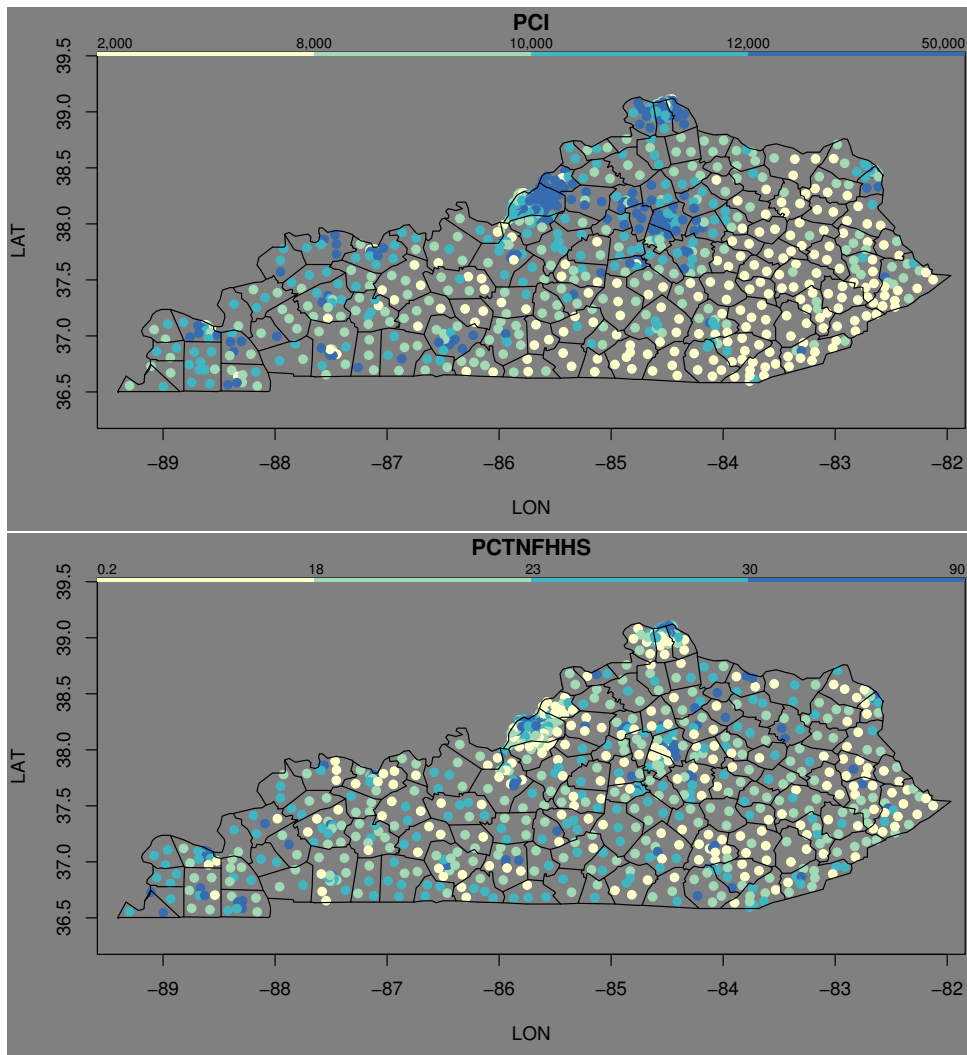
3D surface map



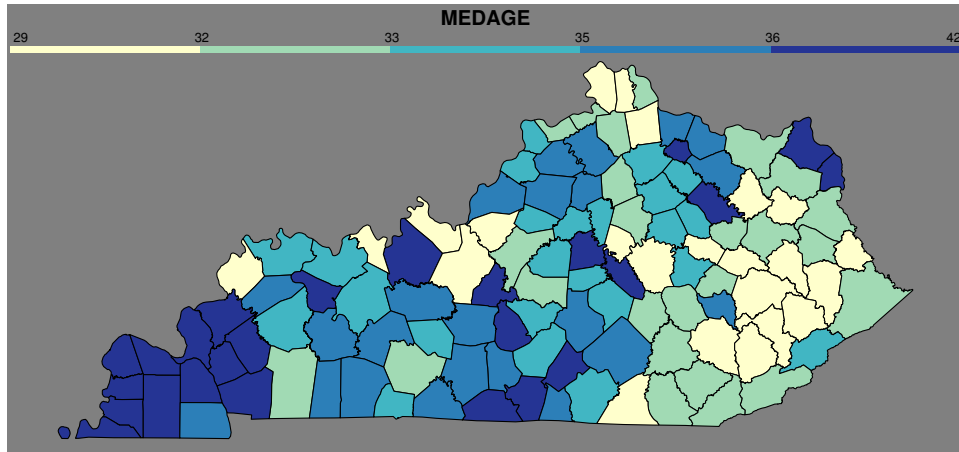
Contour map



Colored-dot map

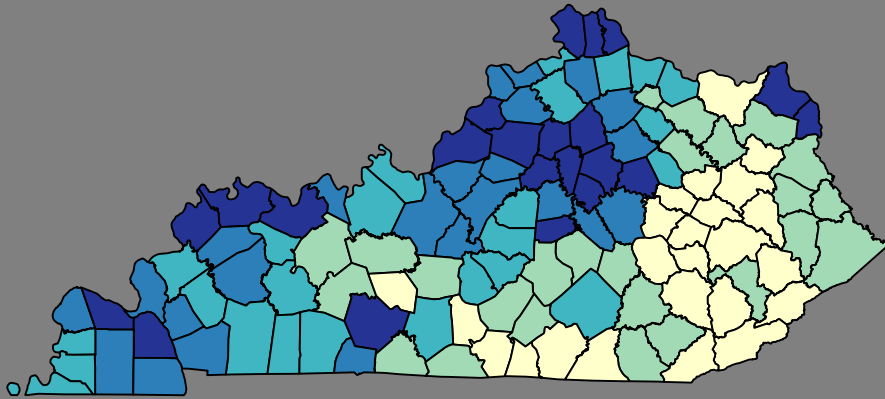


Choropleth map



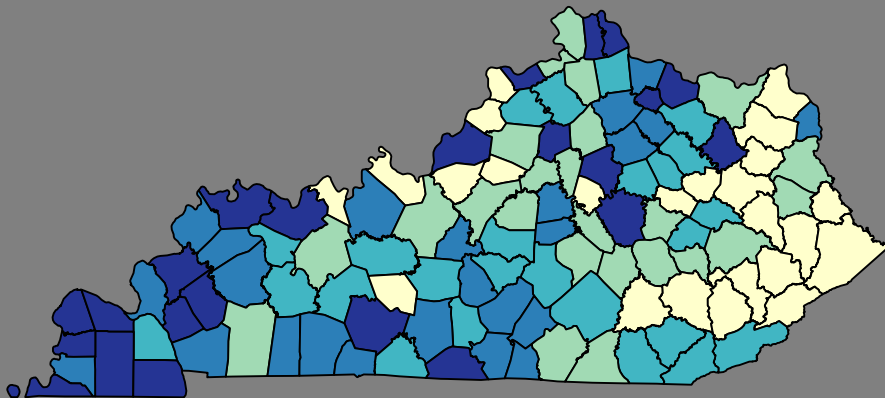
PCI

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PCTNFHHS

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Correlation

