Class Schedule and Reading

1. [8.29] Course goals, overview, and requirements; introduction to inference and the archaeological record.
   
   **Lab:** Excel basics: formulas, histograms, scatter plots.

2. [9.5] Consumption and seriation models

   Carson, Cary

   Noel Hume, I.

   Mouer, L Daniel, *et al.*

   Dunnell, R.C.

   **Lab:** Occurrence seriation, frequency seriation with Excel.

3. [9.12]. Some simple statistical tools

   Drennan, Robert
   1996  *Statistics for Archaeologists*. Plenum Press, New York. Chapter 1, Batches of numbers, pp. 3-16; Chapter 2: The level or center of a batch, pp. 17-26; Chapter 3: The spread or dispersion of a batch, pp. 27-36; Chapter 14: Relating one measurement variable to another measurement variable, pp. 203-226

   **Lab:** Analyzing pipestem assemblages: histograms, means, variances, and regression.

4. [9.19] The Chesapeake and consumption models

   Bliege Bird, R. and E.A. Smith
Taylor, Alan

**Lab:** Analyzing pipestem assemblages: histograms, means, variances, and regression.

5. **[9.26] Jamestown pipestem data analysis workshop.**
Carson, Cary *et al.*

Carson, Cary *et al.*
2004b *Evaluation of Previous Archaeology.* Colonial Williamsburg Foundation, Williamsburg, VA. Chapter 1, Structures, pp. 1-4 and sections on sites included in our pipe-stem study.

**Lab:** Analyzing the Jamestown pipe assemblages.

6. **[10.3] Site structure and artifact distributions.**
**Project 1 due.**
**Presentations and discussion.**
**Lab:** Making artifact distribution maps with ArcGIS and Geostatistical Analyst.

7. **[10.10] English vernacular house plans**
Mercer, Eric

Neiman, F.D.

**Lab:** Making artifact distribution maps with ArcGIS and Geostatistical Analyst

8. **[10.17] Site structure**
Carson, Cary
n.d. Seventeenth-century plantation housing in the Chesapeake colonies. In *The Chesapeake House*. **Note:** Please do not distribute further or cite outside this class without permission from Cary.

O’Connell, J.F.

Wheatley, David and Mark Gillings
**Lab:** Making artifact distribution maps with ArcGIS and Geostatistical Analyst

**9. [10.24] Spatial analysis workshop-1.**  
Muraca, David, Philip Levy, and Leslie McFadden  


Neiman, Fraser D.  

Comparative Archaeological Study of Colonial Chesapeake Culture  
[http://www.chesapeakearchaeology.org/SiteSummaries/ComptonSummary.htm](http://www.chesapeakearchaeology.org/SiteSummaries/ComptonSummary.htm)

Gibb, James G.  

**Lab:** Making artifact distribution maps with ArcGIS and Geostatistical Analyst

**10. [10.31] Spatial analysis workshop-2.**

**11. [11.7] Visibility graph analysis workshop.**  
Project 2 due.  
Presentations and Discussion.

**Lab:** Depthmap

**12. [11.14] Impermanent architecture**  
Machin, R.  


Alvard, Michael and Lawrence Kuznar  
Lab: Database basics.


Turchin, Peter and Sergey Ngedov
http://www.eeb.uconn.edu/people/turchin/SEC.htm

Graham, William, Carter L. Hudgins, Carl R. Lounsbury, Fraser D. Neiman, and James P. Whittenburg
http://www.historycooperative.org/journals/wm/64.3/graham.html

Lab: Data analysis workshop.

Project 3 due.
Presentations and Discussion.