Class Schedule and Reading

1. [8.26] Course goals, overview, and requirements; introduction to inference and the archaeological record.

   Lab: Excel basics, formulas, scatter plots.

2. [9.2] Historical archaeology and the early Chesapeake

   Hoffman, Phillip T.

   Deetz, James

   Taylor, Alan

   Deetz, James

   And if your Excel skills are a bit rusty, check out these video tutorials. This link takes you to the first of nine lessons. http://www.youtube.com/watch?v=8L1OVkw2ZQ8

   Lab: Seriation with Excel.

3. [9.9]. The seriation model, English and Chesapeake pipes, and some simple statistical tools.

   Dunnell, R.C.

   Agbe Davies, Anna
   2004 The production and consumption of smoking pipes along the tobacco coast. In Smoking and Culture, edited by Sean M. Rafferty and Rob Mann, pp. 273-304, University of Tennessee Press, Knoxville.
Noel Hume, I.

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.

*And it Drennan leaves you wanting more, check out these Kahn Academy videos:*
http://www.khanacademy.org/math/statistics/v/statistics--the-average

**Lab:** Analyzing pipe-stem assemblages: histograms, means, variances.

Carson, Cary

Bergstrom, Carl T.
2006 Honest signaling theory: A basic introduction
http://octavia.zoology.washington.edu/handicap/honest_intro_01.html
Honest signaling theory: examples from biology
http://octavia.zoology.washington.edu/handicap/honest_biology_01.html
Honest signaling theory: examples from economics
http://octavia.zoology.washington.edu/handicap/honest_economics_01.html

Bliege Bird, R. and E.A. Smith

**Lab:** Analyzing pipe-stem assemblages: histograms, means, variances, and regression.

Carson, Cary, Joanne Bowen, Willie Graham, Martha McCartney, and Lorena Walsh.

Carson, Cary *et al.*
2004b *Evaluation of Previous Archaeology*. Colonial Williamsburg Foundation, Williamsburg, VA. Chapter 1, Structures, pp. 1-4, and *passim*. *In addition to the introduction, read the analysis of each of the structures for which we have pipe-stem data.*
. Lab:  Pipe-stem data analysis workshop.

   Project 1 due.
   Presentations and discussion.
   Lab:  Puzzling out house plans from post holes: The Clifts Plantation Site.

7. [10.7] English vernacular house plans
   Neiman, F.D.

   O’Connell, J.F.

   Carson, Cary

   Lab: Making artifact distribution maps with ArcGIS and Geostatistical Analyst

8. [10.14]
   Wheatley, David and Mark Gillings

   Lloyd, C.D. and P.M. Atkinson

   ESRI
   2010  Geostatistical Analyst Tutorial. ESRI, Redlands, CA

   Lab: Making artifact distribution maps with ArcGIS and Geostatistical Analyst

9. [10.21] Spatial analysis workshop

   Neiman, Fraser D.
Comparative Archaeological Study of Colonial Chesapeake Culture
http://www.chesapeakearchaeology.org/SiteSummaries/ComptonSummary.cfm

Gibb, James G.
http://people.virginia.edu/~fn9r/arh385/Compton/index.html

Lab: Making artifact distribution maps with ArcGIS and Geostatistical Analyst

10. [10.28] Gentry House Plans
Project 2 due.
Presentations and Discussion.
Lab: Introduction to space-syntax analysis.


Cutting, M

Wenger, Mark

Wenger, Mark R.

Edwards, Mathew J.

West, Susie

Gibbs, James
Lab: More Space Syntax.

[11.18] Space Syntax Data Analysis Workshop
Morris, Robert

Architectural Research Department

Neiman, F.D. (compiler)
n.d. Chesapeake gentry house plans from various sources.

**Lab:** Data analysis workshop


**14. [12.2] Finale!**

Project 3 due.

Presentations

Final Discussion