

Historical Archaeology
Architectural History 3604/7604
Anthropology 3850/7850

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Project 1: Stylistic Dynamics of White and Red-Clay Pipes

1. Historical questions.

In the first project we will look at change over time in one of the early-modern Atlantic's earliest mass-produced consumer goods: clay tobacco pipes. We will use the models of consumption from signaling theory, the seriation method, and some simple statistical techniques to measure and explain variation in imported and locally-made pipe assemblages from 17th-century Jamestown.

What can we learn from the Jamestown data about change and variation signaling strategies among elites and ordinary people, including indentured and enslaved laborers, and native people? Who smoked white-clay pipes and red-clay pipes in 17th-century Jamestown? How might the identity of the smokers of the two kinds of pipes have changed over time? How did these pipes fit into the signaling strategies of their users? When and why did red-clay pipes appear and disappear? How do the social dynamics behind pattern in the Jamestown data relate to the larger trends in the early -modern Atlantic that historians have referred to as 'the consumer revolution'?

Answering these historical questions will require you address the following questions about the data: What do temporal trends in means and standard deviations of bore diameters in Jamestown assemblages for red and white-clay pipes look like? How well to the bore diameter-class frequencies fit the seriation model? How do the patterns of change in white pipe means and standard deviations differ from those of red pipes? What does the temporal trend in the overall in proportions of red vs. white pipes over time look like?

Your paper should discuss:

- The historical problems you are trying to address and their larger Atlantic and Chesapeake contexts.
- The models you will use in your analysis and how they are relevant to the questions at hand.
- How you have used the models and background contextual information on the Chesapeake, Jamestown, and the specific Jamestown sites to explain patterns in the archaeological data.
- The patterning you see in the data and their fit or lack of fit to expectations.
- If there is lack of fit, what might explain it?

- In either case (fit or lack of fit) how might you go about evaluating your explanation against independent archaeological evidence?
- Your conclusions and suggestions for further research.

Project papers should include 8-10 pages of text. Figures should be numbered sequentially, with figure numbers placed in the text. The numbered figures themselves should appear at the end of the text. Each figure should have a caption, so that the reader knows exactly what it portrays and your take on its larger significance.

You should cite all the readings on Collab on which you have drawn in completing the project. Your citations should follow the *American Antiquity* style guide, as outlined in section 3.4:

<http://www.saa.org/StyleGuideText/tabid/985/Default.aspx>