1145-Q5-1873   **Jennifer Anne Bergner*** (`jabergner@salisbury.edu`), Department of Math & CS, 1101 Camden Ave, Salisbury, MD 21801. *Building Quantitative Literacy through the Mathematics of Voting and Elections.* Preliminary report.

In this session, I would like to share the challenges and successes I have had in creating a course that engages liberal arts majors in the mathematics present in voting and elections. In this course, my students discover how to reason and use the tools of mathematics to create mathematical models to look at different election decision methods. We examine such topics as the various methods of aggregating individual preferences into an aggregate choice, the desirable properties of a voting system, gerrymandering, and apportionment methods. I will share the impact this class has had on my students and how their quantitative literacy naturally developed throughout the course. (Received September 24, 2018)