

1125-AD-2252 **Lily S. Khadjavi*** (lkhadjavi@lmu.edu). *Quantitative Literacy and Social Justice: From Basic Examples to Transformative Experiences.*

In *Mathematics and Democracy*, Steen and his collaborators set an inspiring goal for their work: “Quantitative literacy empowers people by giving them the tools to think for themselves, to ask intelligent questions of experts, and to confront authority confidently.” This talk will feature several examples of applications of mathematics and statistics to issues of social justice, such as racial profiling and environmental justice. Some applications simply involve single class meetings while others build over the course of a term, but all invite the students to raise questions and test hypotheses of their own. (Received September 20, 2016)