

Research Statement of Elizabeth Rasnick

My research has been guided by the technique used. I have worked in three main techniques and one to a lesser extent. These techniques are live experiments, cluster analysis, and modeling and simulation.

The first major research project I participated in examined social collaboration and classification of online repositories. There were three primary investigators conducting the research. My contribution was to lead live experiments with subjects. I also conducted pre and post treatment surveys, however, the most valuable information came from examining how the subjects categorized and classified artifacts in the repository. I conducted this experiment for three years with several groups of subjects each semester.

The second technique I use is cluster analysis, more specifically co-citation analysis. The first analysis I performed was on international business scholars and the overlap of their research areas. The paper I am working on at present is a biblio-metric analysis of international business scholars. This research is a joint effort with Management scholars.

The third research technique I employ is modeling and simulation. I am familiar with event-based and agent-based methods. For my dissertation, I am using discrete-event simulation although I did play with some agent models before making my decision. The model I am using is a simple supply chain, based on the classic Beer Game model. The factor I am experimenting with is information flow and disruption to the various echelons.