Sun Young Ban* (sunnyban8@gmail.com). The Influence of Technology on Mathematics Anxiety in Developmental Mathematics Courses. Preliminary report.

This study investigated the influence of technology on students’ mathematics anxiety in the developmental mathematics classroom in an urban community college. The participating students (n=185) were recruited for this study: Half of whom were in lecture classrooms without using technology, and other half of whom were in inquiry-based learning classrooms with technology such as google classroom, online educational software, or other open educational resources over the academic 15-weeks. The overall findings were that there was a significant difference between two different instructions in measuring students’ mathematics anxiety. This study concludes with a discussion how the use of technology including WeBWork, cloud-based apps and other open educational resources impacts students’ mathematics anxiety, and demonstrates whether technology integration in an inquiry-based learning classroom supports students learning in developmental mathematics courses in an urban community college. (Received September 22, 2018)