

CORRELATION STUDY OF SUCCESS RATE IN DEVELOPMENTAL MATHEMATICS COURSES AND  
READING LEVEL OF FIRST TIME COLLEGE STUDENTS IN AN URBAN MULTI-CAMPUS COMMUNITY  
COLLEGE. MODEL PREDICTING SUCCESS IN DEVELOPMENTAL MATHEMATICS COURSES

Name: Marcial L. Echenique  
Faculty Sponsor's Name: Dr. David D. Kumar  
1340 SW 32 Avenue, Fort Lauderdale, FL 33312  
954-817-4475  
mecheni1@fau.edu

The purpose of this study is to investigate the correlation between success rate in developmental mathematics course and reading level of first time college students. The study will be conducted at Broward Community College (BCC), a multi-campus urban community college located in Broward County, Florida. The study will analyze the historical data for all first time college students that placed into three developmental courses; reading, writing, and mathematics, based on their College Placement Test (CPT) scores. The researcher will examine data to find out: (a) the correlation between success rate in developmental mathematics courses and CPT reading scores, (b) the correlation between success rate in developmental mathematics courses for students taking developmental mathematics courses before or after developmental reading, (c) develop a model to predict success in developmental mathematics course using CPT reading score and other variables.

Developmental courses, especially mathematics, act as a gatekeeper courses and result in unacceptably high level of student attrition. There is a critical need to improve the success rate of students in developmental mathematics course. Through this study, the research hopes to affect the policy and procedures at BCC that effect the placement of students in developmental courses in order to improve the success rate in developmental mathematics courses.