Study Profile: College Students Taking STAAR Algebra II (★★★☆☆)

The "College Students Taking STAAR Algebra II" study is designed to establish empirical links between performance on the STAAR Algebra II assessment and performance in college-level mathematics courses.

Motivation (★★★☆☆)

This analysis was based on a single group of college students in Texas who took the STAAR Algebra II assessment at the beginning of the fall semester in 2011. Their course grades were reported at the conclusion of the fall semester in 2011. Data from STAAR derive from a low-stakes operational administration in fall 2011 and are linked to motivated college-level mathematics course grades from the fall 2011 semester.

Representativeness (★★★☆☆) and Sample Size (★★☆☆☆)

For the purposes of this study profile, college students' grade levels, demographic characteristics, and academic achievement are compared to corresponding statistics from the 2010 and 2011 high school STAAR Algebra II examinee sample.

Grade Levels
All High School Algebra II Examinees Versus College Examinees

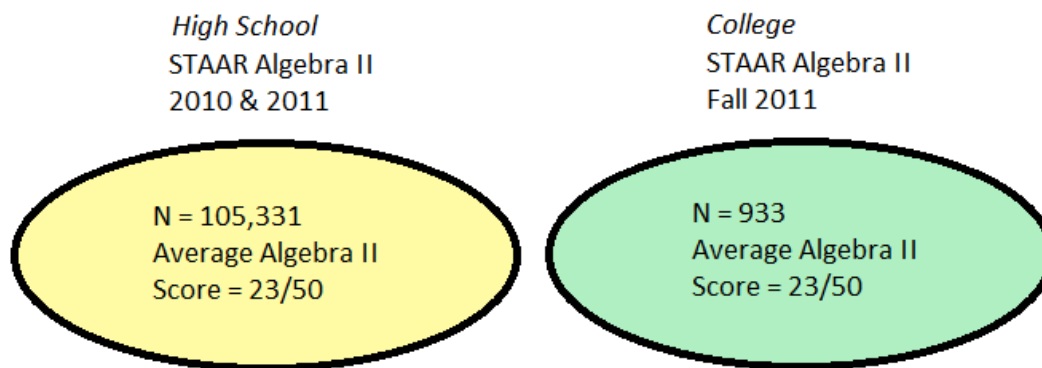| Group	Grade 8		Grade 9		Grade 10		Grade 11		Grade 12		Missing		Postsecondary		*Total*
All Algebra II	32	0%	2,781	3%	32,956	31%	53,140	50%	16,414	16%	8	0%	0	0%	**105,331**
College Algebra	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	933	100%	**933**

Demographic Characteristics
All High School Algebra II Examinees Versus College Examinees

Group	Female		Economically Disadvantaged		African American		Hispanic		White		Other	
All Algebra II	53,491	51%	45,660	43%	11,881	11%	45,667	43%	39,123	37%	8,660	8%
College Algebra	439	59%	272	48%	127	21%	252	41%	188	31%	47	7%

Summary of STAAR Algebra II Achievement
High School and College Groups

High School
STAAR Algebra II
2010 & 2011

N = 105,331
Average Algebra II
Score = 23/50

College
STAAR Algebra II
Fall 2011

N = 933
Average Algebra II
Score = 23/50

Likelihood of Earning a C or better in a Corresponding Entry-Level College Course Based on Students' STAAR Performance

Satisfactory Academic Performance	*Advanced Academic Performance*
81%	94%

Correlation (★★★☆☆)

Correlation between STAAR Algebra II and college mathematics course grades = **0.61**