

Course Placement Service Report



SOUTHERN ARKANSAS UNIVERSITY (0142)
Magnolia, AR

Placement Group: MALES

Subject Area: Reading

Data Cohort: 20152016

Date of Report: May 22, 2017

Table of Contents

Page

Reading

MALES	1
Summary of Placement Variables by Course	2
Summary of Course Outcomes	3

PSYCH/SOC

ACT Reading Score	4
High School Social Studies Grade Average	6
ACT Reading Score	7
and High School Social Studies Grade Average	

Logistic Regression Weights and Correlations	8
--	---

Course Placement Report

Information for Making Placement Decisions

Placement Group: MALES

Summary of Placement Variables

This table summarizes the placement variables used in requested analyses for each reference course. The table shows number of students, mean value, and standard deviation.

The descriptive statistics for course completers are based on students who receive A-F grades. However, if you chose to treat W grades as unsuccessful outcomes, the statistics will also include students with W grades.

		MALES			Students who completed course		
Reference course	Placement variable	N	Mean	SD	N	Mean	SD
PSYCH/SOC	ACT Reading Score	310	20.8	5.6	48	22.6	5.0
	High School Social Studies Grade Average	266	3.4	0.6	38	3.6	0.5
	ACT Reading Score and High School Social Studies Grade Average	266	21.0 3.4	5.7 0.6	38	23.2 3.6	5.2 0.5

Summary of Course Outcomes

This table summarizes the course outcomes used in requested analyses for each reference course.

The table shows number of students, mean course grade, standard deviation, percent B or higher, percent C or higher, total of just W and I grades, and W grades not treated as successful.

		Grades used in analysis						
Reference course	Placement variable	N	Mean	SD	Percent B or higher	Percent C or higher	Total of W and I grades	W grades treated as not successful
PSYCH/SOC	ACT Reading Score	48	2.0	1.4	44	63	4	Yes
	High School Social Studies Grade Average	38	2.2	1.4	50	63	3	Yes
	ACT Reading Score and High School Social Studies Grade Average	38	2.2	1.4	50	63	3	Yes

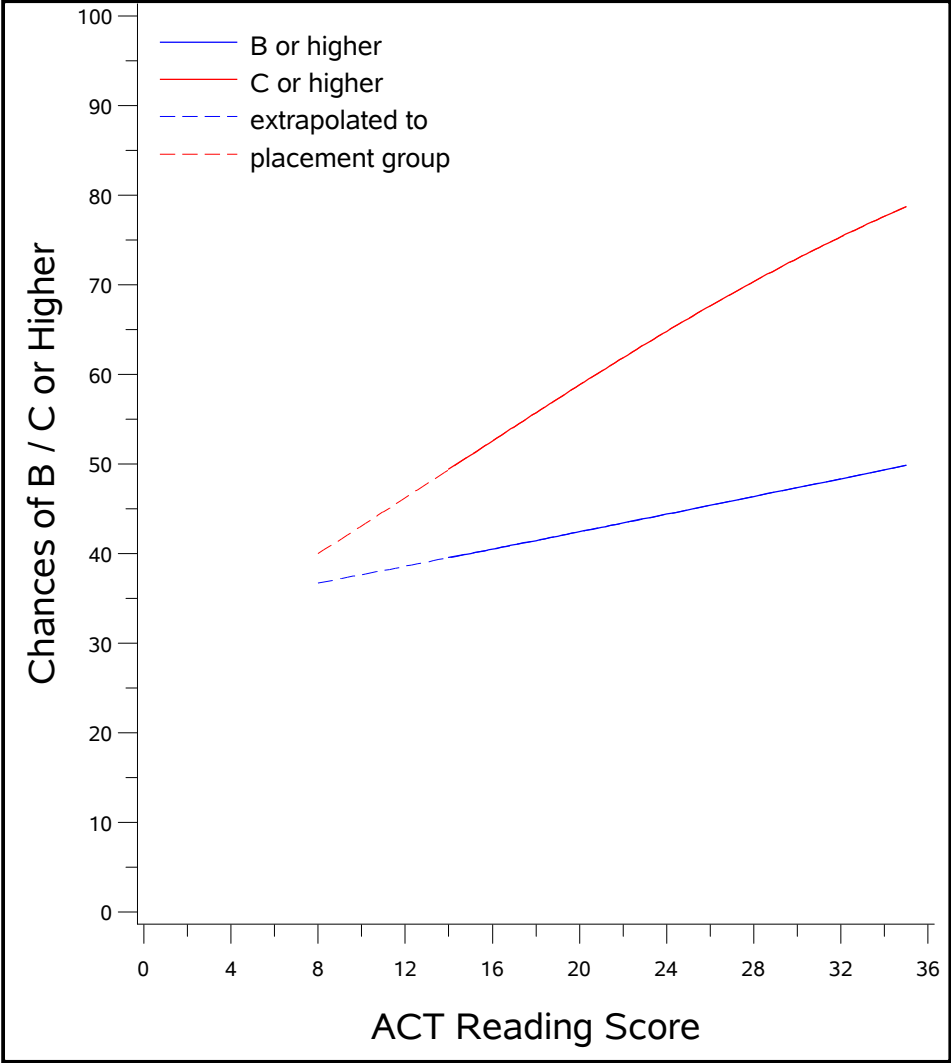
This table and graph report students' chances of achieving a B / C or higher in PSYCH/SOC, given their ACT Reading Score. For example, the chance that a student with an ACT Reading Score of 22 would obtain a B or higher in PSYCH/SOC is 43%.

If present, the boldface scores labeled as Opt. B and Opt. C in the table show the cutoff scores that are associated with the maximum accuracy rate. The information in the table and graph can be used to advise students about their chances of success in PSYCH/SOC.

Chance of Success in PSYCH/SOC,
Given ACT Reading Score

ACT Reading Score		Chance of success (B or higher)	Chance of success (C or higher)
Opt. B	35	50	79
	34	49	78
	33	49	77
	32	48	75
	31	48	74
	30	47	73
	29	47	72
	28	46	70
	27	46	69
	26	45	68
	25	45	66
	24	44	65
	23	44	63
	22	43	62
	21	43	60
	20	42	59
	19	42	57
	18	41	56
	17	41	54
	16	41	53
Opt. C	15	40	51
	14	40	49
	13	39	48
	12	39	46
	11	38	45
	8	37	40

Chance of Success in PSYCH/SOC,
Given ACT Reading Score



Placement Information for PSYCH/SOC Using ACT Reading Score

This table shows the effects of using different ACT Reading Score cutoffs in PSYCH/SOC. For example, if you were to require students to have an ACT Reading Score of at least 22 to be placed into PSYCH/SOC, then you would expect:

- about 60% of your students would be placed in a lower-level course
- about 54% of your placement decisions would be correct
- about 46% of those placed in PSYCH/SOC would obtain a B or higher

ACT Reading Score			B or higher		C or higher	
		Percent placed in lower-level course	Accuracy rate	Success rate	Accuracy rate	Success rate
Opt. B	35	99	57	50	41	79
	34	99	57	50	41	78
	33	97	57	49	42	77
	32	96	57	49	42	77
	31	94	57	48	44	76
	30	90	57	48	45	75
	29	87	57	48	46	74
	28	84	56	48	48	73
	27	81	56	47	49	73
	26	78	56	47	50	72
	25	76	56	47	51	71
	24	74	55	47	51	71
	23	67	55	46	53	69
	22	60	54	46	55	68
	21	55	53	45	56	67
	20	46	52	45	57	66
	19	40	51	45	58	65
	18	30	49	44	59	64
	17	23	48	44	60	63
Opt. C	16	19	47	44	60	62
	15	12	45	43	60	61
	14	9	45	43	60	61
	13	5	44	43	60	60
	12	2	43	43	60	60
	11	0	43	43	60	60
	8		43	43	60	60

If present, the shaded rows highlight the optimal cutoff scores (i.e., those that lead to the highest percentage of correct placement decisions).

Chance of Success in PSYCH/SOC, Given High School Social Studies Grade Average

*Chance of success tables/graphs and placement information tables are not reported if there are fewer than 40 observations.
(38 observations were provided.)*

Chance of Success in PSYCH/SOC, Given ACT Reading Score and High School Social Studies Grade Average

*Chance of success tables/graphs and placement information tables are not reported if there are fewer than 40 observations.
(38 observations were provided.)*

Logistic Regression Weights and Correlations

This table contains the estimated logistic regression weights used to calculate the chances of success in each course. The weights associated with each set of placement variables are shown with the corresponding significance level (p-value). This information can be used to calculate the chances of success for a given student.

A p-value is an estimate of the probability that a regression weight of magnitude equal to that reported in the table would occur by chance if the true regression weight were 0; the smaller the p-value, the more highly "statistically significant" the regression weight is. The correlation between the placement variables and course grades also is listed.

		B or higher		C or higher		
Course	Placement variable(s)	Logistic regression weight	P-value	Logistic regression weight	P-value	Correlation
PSYCH/SOC	Intercept	-0.70		-0.91		
	ACT Reading Score	0.02	0.7324	0.06	0.3076	0.13
	Intercept					
	High School Social Studies Grade Average					
	Intercept					
	ACT Reading Score and High School Social Studies Grade Average					