



Non-traditional Factors Associated with Initial Student Success in College

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Development of Predictors of Academic Success of Students (PASS)

- Traditional methods of assessing students show adverse impact.
- Research started in 2004 for BIFP. Changed to PASS in 2006.
- The PASS uses biodata and non-cognitive factors as a way of predicting academic success.

Description of PASS items

- o Items addressed several categories
- o Types of questions/instructions:
 - o Likert Scale
 - o Ranking
 - o Check all that apply
 - o Open ended questions (# hours spent on video games, watching t.v., etc.)

Working and Non-Working Items on PASS

- o High School Experiences, Personal Skills/Abilities
 - o Reason for academic performance
- o College Expectations, Home Environment
 - o Expected GPA at the end of the first semester
- o Academic Honors, Extracurricular Activities, Work Experience and High School Behaviors
 - o Recoding of activities

Hypotheses: Megan

- First generation students Vs. Second generations & beyond
- Grit and perseverance found in high school behaviors

Mean scores of Grit, SAT and GPA compared to ethnicity

	Caucasian	African American	Indian, Asian, and Native Hawaiian	Hispanic
Positive Grit	2.13(710)	2.14(68)	2.11(117)	2.14(107)
Negative Grit	4.43	4.96	4.88	4.43
Total Grit	6.57	7.10	6.99	6.58
GPA	3.30	2.75	3.35	3.02
SAT Total	1257	1109	1332	1166

Alison's Research Questions

- Do the different versions of the PASS scoring keys predict success equally well?
- Do they predict ethnic fairness equally well?

PASS Scoring Key Regression

Scoring Key	Ethnicity									
	All Groups		Caucasian		African American		Asian		Hispanic	
	<i>B</i>	ΔR^2	<i>B</i>	ΔR^2	<i>B</i>	ΔR^2	<i>B</i>	ΔR^2	<i>B</i>	ΔR^2
Step 1										
Combined SAT Verbal and Math Score		.104***		.048***		.000		.209***		.102**
	.322***		.220***		-.007		.457***		.320**	
Step 2										
Combined SAT Verbal and Math Score		.135***		.128***		.145**		.071**		.212***
	.226***		.153***		-.035		.389***		.199*	
PASS Selection Biodata		.380***		.365***		.381**		.275**		.476***
Total R ²		.239***		.177***		.145**		.280***		.315***
n	1011		683		66		110		101	

Note. The standardized Beta is reported. * $p < .05$ ** $p < .01$ *** $p < .001$

Jessica's Research Question

- Will the PASS work for special admits?

Scoring key	E.O.F
	ΔR^2
Combined SAT Verbal and Math Score	.044
Combined SAT Verbal and Math Score & PASS Selection Biodata	.186**

* $p < .05$ ** $p < .01$ *** $p < .001$

Ruthy's Research Question

- What is the best way to predict student athlete group success?

Scoring Key	Student Athletes ΔR^2
<ul style="list-style-type: none">Combined SAT Verbal and Math Score	.033
<ul style="list-style-type: none">Combined SAT Verbal and Math Score & PASS Selection Biodata	.258***

* $p < .05$ ** $p < .01$ *** $p < .001$

Revisions for PASS 2012

- o Activity Items and Job Items changed
- o Distraction items added
- o Self-motivation items dealing with competency in junior and senior year
- o Bilingual Items added

Please respond "yes" or "no" to the following questions regarding your use of a second language.

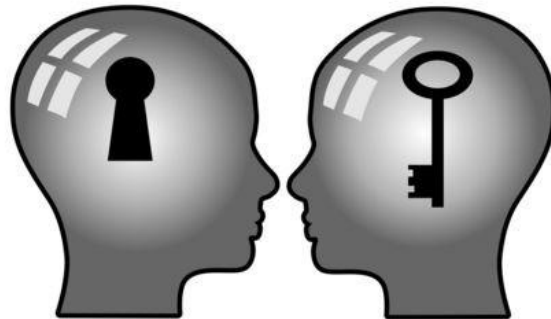
	Yes	No
English is my first language	<input type="radio"/>	<input type="radio"/>
I can speak in a non-English language	<input type="radio"/>	<input type="radio"/>
I can read in a non-English language	<input type="radio"/>	<input type="radio"/>
I can write in a non-English language	<input type="radio"/>	<input type="radio"/>
I speak another language other than English at home	<input type="radio"/>	<input type="radio"/>
I speak another language other than English at work or school	<input type="radio"/>	<input type="radio"/>
I have joined a foreign language club	<input type="radio"/>	<input type="radio"/>
I enjoy watching foreign t.v. or film without subtitles	<input type="radio"/>	<input type="radio"/>
When I count money, I count in a non-English language	<input type="radio"/>	<input type="radio"/>

Future Research

- o Measuring ESL students
- o Transfer students
- o Should different assessments be administered to different ethnic groups for college selection?
- o Branch out to other colleges to see how the PASS measures up

Questions?

TAP LAB



Testing and Assessment in Psychology