Undergraduate Major as a **Predictor of Generalized** Anxiety Disorder

Michael S. Lanzaro

INTRO

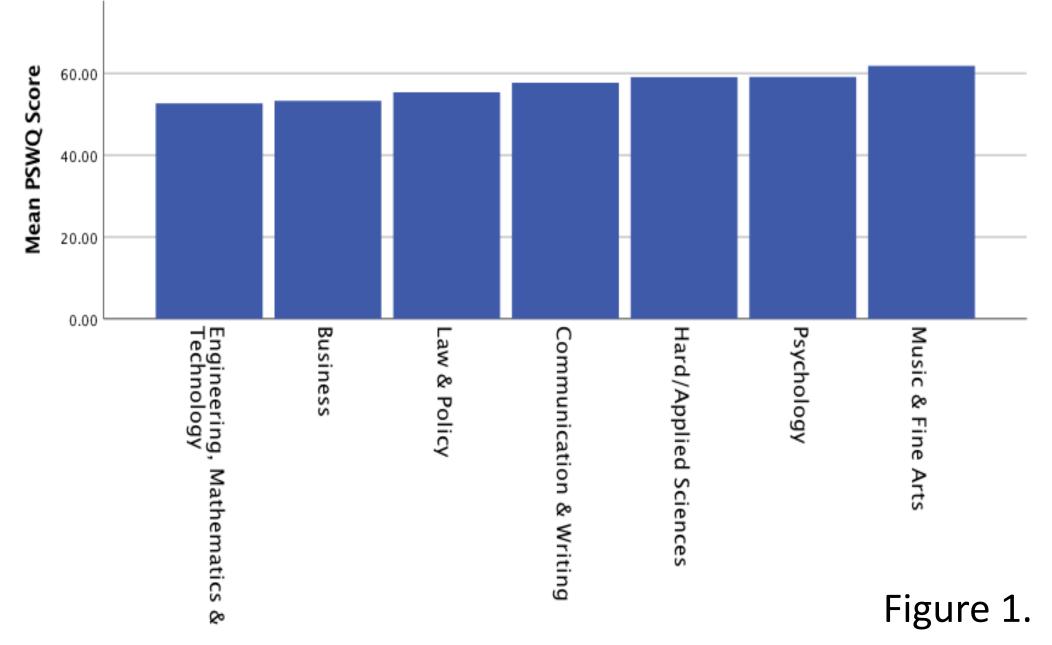
Discover a relationship between Generalized Anxiety Disorder (GAD) and undergraduate major.

METHODS

- 1. Online survey was created which featured basic academic questions and Penn State Worry Questionnaire (PSWQ)
- 2. Undergraduate students who currently attended the University of New Haven were emailed the survey
- 3. One Way Analysis of Variance, and Post Hoc test were ran to compare categorized majors to their respective PSWQ scores.

RESULTS

- Analysis of Penn State Worry Questionnaire (PSWQ) scores suggested undergraduate students exhibited moderate levels of anxiety (Mean= 57.70).
- Music & Fine arts majors exhibited the highest level of anxiety, falling under the high worry category.
- Engineering, Mathematics, & Technology majors exhibited the least levels of anxiety, placing into the moderate worry category.
- ANOVA test results were found to be statistically significant (P=.017<.05). Suggesting there were differing mean PSWQ test scores among major groupings.
- Statistically significant comparison between Music & Fine Arts and Engineering, Mathematics & Technology Majors was discovered.



Simple Bar Mean of PSWQ Score by Major Groupings

DISCUSSION

- Comparisons between Music & Fine Arts and Engineering, Mathematics, & Technology were the only values found to be statistically significant (P=.039).
- Overall results suggest the average University of New Haven student may suffer from moderate anxiety rates.
- Further research could reveal factors for anxiety rates among each major grouping.



College of Arts and Sciences Department of Psychology

Choice of undergraduate major helps predict symptoms of generalized anxiety disorder...

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The Specifics:

The several groupings of academic majors were as follows: Psychology (Mean= 59.13, SD=12.9, *n*= 76), Communication & Writing (Mean= 57.71, SD= 13.74, *n*=28), Engineering, Mathematics, & Technology (Mean= 52.64, SD= 13.9, n= 39), Law & Policy (Mean= 55.37, SD= 13.19, *n*= 46), Business (Mean= 53.29, SD= 15.59, *n*= 21), Hard/Applied Sciences (Mean= 59.09, SD= 12.39, *n*= 89), Music & Fine Arts (Mean=61.83, SD= 11.73, *n*= 40). Major groupings which displayed the highest levels of anxiety were: Music & Fine Arts (Mean= 61.83), and Psychology (Mean= 59.13). Conversely, groups which exhibited the least levels of anxiety were: Engineering, Mathematics, & Technology (Mean= 52.64), and Business (Mean= 53.29).

The Gabriel Post Hoc test revealed a statistical difference between Music & Fine arts (Mean= 61.83, P= .039) and Engineering, Mathematics, & Technology (Mean= 52.64, P= .039) - with the latter experiencing higher levels of anxiety. The results of the Hochberg test provided similar values to Gabriel's, suggesting only the comparison between Music & Fine Arts and Engineering, Mathematics, & Technology were statistically significant (P= .039). Other comparisons found in both tests had values too high for statistical significance, suggesting these values may be due to chance.

Penn State Worry Questionnaire Scoring:

16-39: Low Worry 40-59: Moderate Worry 60-80: High Worry

Categorization of majors

Group 1: Psyc Forensic Community General Total

Group 3: Engi Mathematics Chemical Civil Computer Industrial/sy Electrical Mechanical Computer Sc Cybersecurit Mathematics Total

Group 5: Busi Sports Mana **Business Mar** Accounting Internationa **Business** Marketing Finance Economics Total

Group 7: Mu Music and So Music Music Indust Theater Graphic Desig Interior Desig Total

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ychology	31	Group 2: Communication & Writing	6
	6	TV/Video Production Communications	13
	5 .	Journalism	1
	39 76	English	8
	70	Total	<u>28</u>
gineering,			
s & Technology		Group 4: Law & Policy	
	6	Legal Studies	8
	6	Criminal Justice	20
	3	International Dev. & Diplomacy	1
/stems	3	Marine Affairs	6
	2	Political Science	5
	10	National Security	6
cience	5	Total	46
ty	1		
S	4		
	40		
siness & Mathematics		Group 6: Hard/Applied Sciences	
agement	2	Biology	14
anagement	4	Bio pre-med/vet	13
	5	Genetics and Biotech	5
al Business	2	Marine Bio	19
	3	Environmental Science	4
	2	Biology-Biochem	2
	1	Cellular and Molecular Bio	1
	2	Health Sciences	1
	21	Dental Hygiene	5
		Nutrition & Dietics	1
		Total	89
usic and Fine Arts		Categories to be excluded	
ound Recording	10	Undecided	5
	2	History	2
try	13	Open-Ended Response	1
201	1	Fire Science/ Arson investigation	1
ign	2	Total	9
ign	12		
- 10-10	40		