Intro **Research Questions**

- Has undergraduate stress increased over the years?
- Is Conscientiousness positively correlated with GPA?
- Is Neuroticism positively correlated with stress?
- Investigate the correlation between neuroticism and GPA.
- Investigate correlations between other traits, GPA, and stress.

Method

- Participants- undergraduate students at SHU
- 300 participants, 253 women, 47 men, M age = 18.87, SD = .974, 226 freshmen, 31 sophomores, 29 juniors, 13 seniors, 83.3% whites, 7.7% Hispanics, 2.3% blacks, and others.

Materials

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- Seven personality scales derived from International Personality Item Pool
- Cronbach Alphas showed high reliability (Taber, 2018)
- Stress measured on a 1-9 scale
- GPA self-reported on a 0-4 scale

Relationships Between Personality Factors, Stress and GPA

Faculty Mentor Dr. Maureen Conard

Newest Findings

Correlations

With GPA

- Conscientiousness = .217**
- Resilience = .168**
- Grit = .132*
- Irresponsible = -.328**

Has stress increased?

YES – Compared to Conard (2008) stress has increased significantly Mean stress (2008) = 5.71 (SD = 1.6)Mean stress (2023) = 6.1 (SD = 1.43)t(701) = -3.34***

Table **Correlations Among Study Variables**

Table 1: Means, Standard Deviations, Alphas, and Intercorrelations for Major Study Variables

	Mean	SD	1	2	3	4	5	6	7	8	9
1. Conscientiousness	4.29	.462	(0.88)								
2. Adaptability	3.06	.542	.228**	(0.34)							
3. Neuroticism	3.80	.808	094	374**	(0.86)						
4. Resilience	3.21	.604	.345**	.297**	360**	(0.81)					
5. Analytical	3.83	.593	.226**	.023	.127*	.243**	(0.73)				
6. Irresponsible	2.21	.828	489**	141*	.070	441**	097	(0.82)			
7. Dominance	2.22	.819	220**	266**	.088	200**	.089	.285**	(0.92)		
8. Grit	3.28	.463	.394**	229**	299**	.614**	.212**	443**	2**	(0.73)	
9. GPA	3.25	.504	.217**	.027	092	.168**	022	328**	060	.132*	
10. Stress	6.10	1.43	063	220**	.386**	163**	.206**	0.22	.114	079	087

* p < .05. ** p < .01. Cronbach's alphas appear in parentheses on the diagonal.

Note. Cronbach Alphas are presented on the diagonal. *p < .05. **p < .01.



Correlations

With Stress

- Adaptability = -.220**
- Neuroticism = .386**
- Resilience = -.163**
- Analytical = .206**

Multiple Regression Results

Discussion

Limitations

Future Research

• With GPA: Irresponsible $\beta = .35^{***}$ • With Stress: Neuroticism $\beta = .31^{***}$ Analytical $\beta = .18$ **

• Conscientiousness has a significant positive correlation with GPA, reinforcing previous findings (Conard, 2006).

• Neuroticism not significantly correlated with GPA, significantly correlated with stress • Current conscientiousness items had higher reliability than NEO_FFI previously used • Stress is significantly higher now compared to a previous study (Conard, 2008). Supports societal concerns about increased anxiety, depression, and mental health issues • Neuroticism not significantly correlated with GPA, different than with DPT grad students • In multiple regression (MR), Irresponsibility more strongly correlated with GPA over and above Conscientiousness Conscientiousness negatively correlates with irresponsibility (r = -.489, p < .01), could explain why C not significant in the MR

• Convenience sample, 75% freshman • 84% women, 83.3% white

Look at differences across majors

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