

Achievement Goal Orientation of Incoming MLS Students

Bing Zhou

MLSP 6905 Capstone Project Presentation

Advisor: Janice Conway-Klaassen

Project Research Questions

- Is there a typical Achievement Goal Orientation for MLS students?
- Is there any relationship between a student's demographics and their Achievement Goal Orientation?
 - This study was approved by the Institutional Review Board (STUDY00014151)

Literature Review/Background

- Achievement goal theory first developed by Dweck, Nicholls, and Ames between 1986 and 1992
 - Based off of studies of academic motivation
 - Trichotomous categorization, then expanded to 2x2 method
- Avoidance type goals detrimental to achieving success

Materials and Methods

- Survey incoming MLS students
 - Used data from 2017-2019
- Aggregation and deidentification of data
 - Excel
- Statistical Analysis
 - SPSS[®] Statistics Software (IBM)

Student Demographics				
Demographic	2017	2018	2019	Combined
Gender				
Female	64	29	33	126
Male	31	15	12	58
Age Grouping				
18-25	70	35	38	143
25-30	16	5	3	24
31-40	7	4	5	16
41-50	2	0	0	2
English First Language?				
Yes	64	35	38	137
No	31	9	8	48
Cumulative GPA				
2.5-3.0	10	4	4	18
3.0-3.5	51	23	24	98
3.5-4.0	34	17	18	69
Ethnicity				
Asian/Pacific Islander	24	7	9	40
Black/African American	12	5	1	18
White	54	31	35	120
Hispanic	1	0	0	1
More Than One	4	1	0	5

Results

<i>t</i>-test of Gender and English First Language vs. Achievement Goal Orientation				
	PAP	MAV	MAP	PAV
Gender				
• 2017	NS	NS	NS	NS
• 2018	NS	NS	.041	NS
• 2019	NS	NS	.002	NS
• Combined	NS	NS	.004	NS
English First Language				
• 2017	.037	NS	NS	NS
• 2018	.015	NS	NS	NS
• 2019	NS	NS	NS	NS
• Combined	.002	NS	.001	.001

Results

ANOVA of Achievement Goal Scores and Demographic Factors				
	PAP	MAV	MAP	PAV
Ethnicity				
• 2017	NS	NS	.026	.026
• 2018	NS	NS	NS	NS
• 2019	NS	NS	NS	NS
• Combined	NS	.040	.009	.024
Age				
• 2017	NS	NS	NS	NS
• 2018	NS	NS	NS	NS
• 2019	NS	NS	NS	NS
• Combined	NS	NS	NS	NS
GPA				
• 2017	NS	NS	NS	NS
• 2018	NS	NS	NS	NS
• 2019	NS	NS	NS	.001
• Combined	NS	.024	NS	.001

Discussion

- Age is the only non-significant variable
- Females more inclined to be mastery approach oriented compared to males
 - Possible influence from gender stereotypes
- Was English their first language and ethnicity also significant factors
 - Similar – if English isn't first language, likely non-American ethnic background
 - Different cultures, different beliefs and upbringings
- GPA final significant factor
- Avoidance-type oriented students have GPAs typically in the middle (3.0-3.5)
 - Possibly linked to personality/academic experience

Limitations and Expansions

- Limitations
 - Limited to UMN students
 - Bias from viewing survey as assignment and self-reporting
 - Students only surveyed once
 - Only incoming MLS students surveyed
 - Data is anonymized
- Further Research
 - More cohorts from different universities
 - Add more variables like personalities
 - Pre- and post-program survey

References

- Alrakaf, S., Sainsbury, E., Rose, G., & Smith, L. (2014). Identifying achievement goals and their relationship to academic achievement in Undergraduate Pharmacy Students. *American Journal of Pharmaceutical Education*, 78(7), 133. <https://doi.org/10.5688/ajpe787133>
- Elliot, A. J., & McGregor, H. A. (2001). A 2 × 2 achievement goal framework. *Journal of Personality and Social Psychology*, 80(3), 501–519. <https://doi.org/10.1037/0022-3514.80.3.501>
- Elliot, A. J., & Moller, A. C. (2003). Performance-approach goals: Good or bad forms of regulation? *International Journal of Educational Research*, 39(4-5), 339–356. <https://doi.org/10.1016/j.ijer.2004.06.003>
- Kool, A., Mainhard, T., Brekelmans, M., van Beukelen, P., & Jaarsma, D. (2016). Goal orientations of health profession students throughout the undergraduate program: A Multilevel Study. *BMC Medical Education*, 16(1). <https://doi.org/10.1186/s12909-016-0621-5>
- Nazarieh, M. (2015). A Brief History of Achievement Goals Orientations Theory and Its Development . *BEST: Journal of Humanities, Arts, Medicine and Sciences*, 1(2).
- Van Yperen, N. W., Elliot, A. J., & Anseel, F. (2009). The influence of mastery-avoidance goals on performance improvement. *European Journal of Social Psychology*, 39(6), 932–943. <https://doi.org/10.1002/ejsp.590>

Questions?