

# Paper Reading

#### Writing

- 870 Papers Read
- .938 Reliability
- Average Score = 2.85
- SD = 0.73

#### **Critical Thinking**

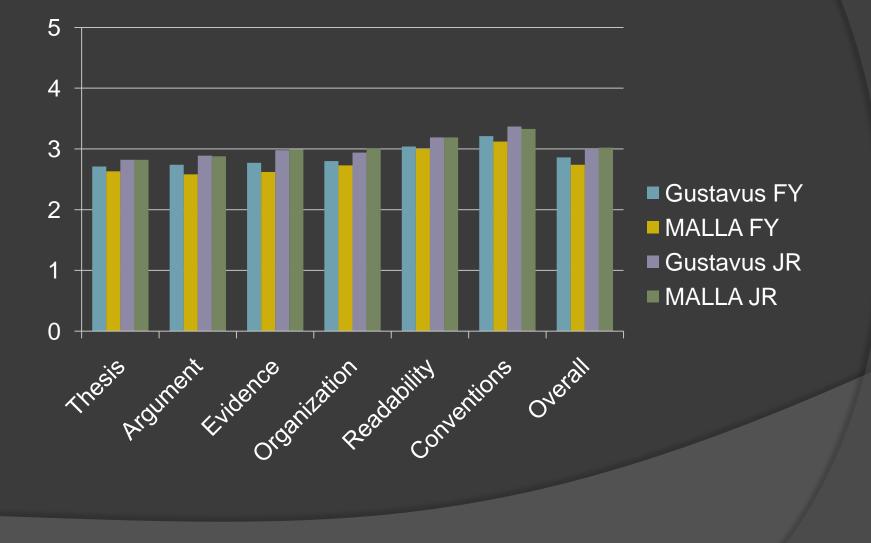
- 643 Papers Read
- .967 Reliability
- Average Score = 3.42
- SD = 1.16

# Writing

Average Scores



### Writing Rubric Scores Round 1



### First-Year Students Fall to First-Year Students Spring

School	FY Fall Paper Average	FY Spring Paper Average	Fall/Spring Difference	Pooled Standard Deviation	Effect Size	Percentile Change
Α	2.67	2.83	0.16	0.65	0.25	10%
Gustavus	2.67	3.08	0.41	0.56	0.73	27%
С	2.73	2.57	-0.16	0.62	-0.26	-10%
D	3.11	3.49	0.38	0.66	0.56	22%
Е	2.43	2.69	0.26	0.59	0.46	17%
F	2.58	2.95	0.37	0.69	0.54	20%
All	2.69	2.85	0.24	0.63	0.38	14.5%

### First-Year Students Fall to Junior Student Scores

School	FY Paper Average	JR Paper Average	JR/FY Difference	Pooled StDev	Effect Size	Percentile Change
Α	2.67	3.05	0.38	0.68	0.56	21%
Gustavus	2.67	3.03	0.36	0.70	0.51	20%
С	2.73	3.22	0.49	0.69	0.69	25%
D	3.11	3.15	0.04	0.67	0.06	2%
Е	2.43	2.79	0.36	0.69	0.52	20%
F	2.58	3.10	0.52	0.75	0.69	25%
ALL	2.70	3.05	0.36	0.70	0.51	19%

### Percentile Change Comparison

School	Percentile Change First Year Fall to Spring	Percentile Change First Year Fall to Junior Year	Percentile Change First to Junior Year	
Α	10%	21%	11%	
Gustavus	27%	20%	-7%	
С	-10%	25%	35%	
D	22%	2%	-20%	
Е	18%	20%	2%	
F	20%	25%	5%	
ALL	14.5%	19%	4.5%	

## Writing Factors

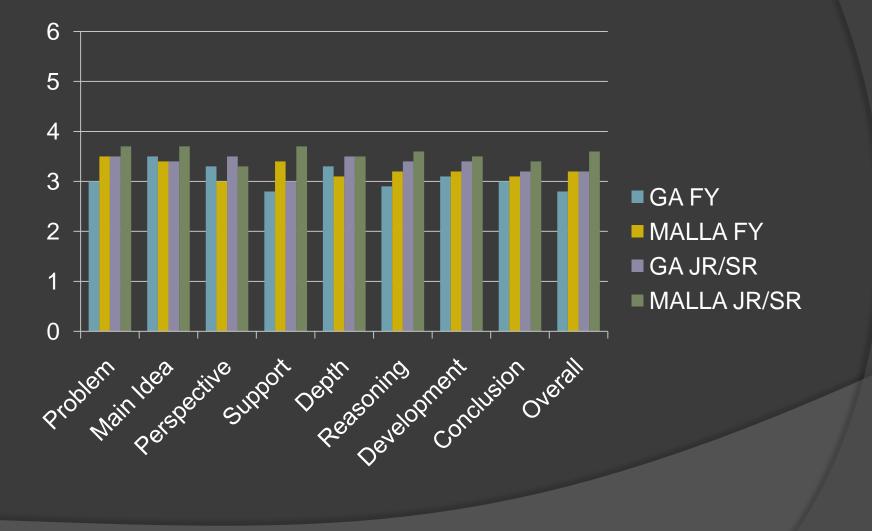
<b>FY–Fall = 2.67</b>		FY–Spring = 3.08		JR- Spring = 3.03	
Argument	0.821	Argument	0.805	Argument	0.846
Organization	0.074	Readability	0.067	Readability	0.082
Evidence	0.026	Main Idea/Thesis	0.034	Main Ideas/Thesis	0.021
Readability	0.014	Evidence	0.011	Conventions	0.004
Main Ideas/Thesis	0.006				
Conventions	0.006				

### **Critical Thinking Papers**

**Average Scores** 



### Critical Thinking Rubric Scores Round 1



### Change in Critical-Thinking Rating First Year to Junior/Senior Year

School	Holistic First Year to JR/SR	Effect Size	Percentile Gain/Loss	ACT-Adjusted Percentile Gain/Loss
Α	0.71	0.57	22%	20%
Gustavus	0.51	0.45	17%	11%
С	-0.56	-0.48	-19%	-21%
D	0.37	0.36	14%	9%
Е	0.86	0.79	29%	22%
F	0.70	0.62	23%	22%
ALL	0.44	0.38	15%	11%

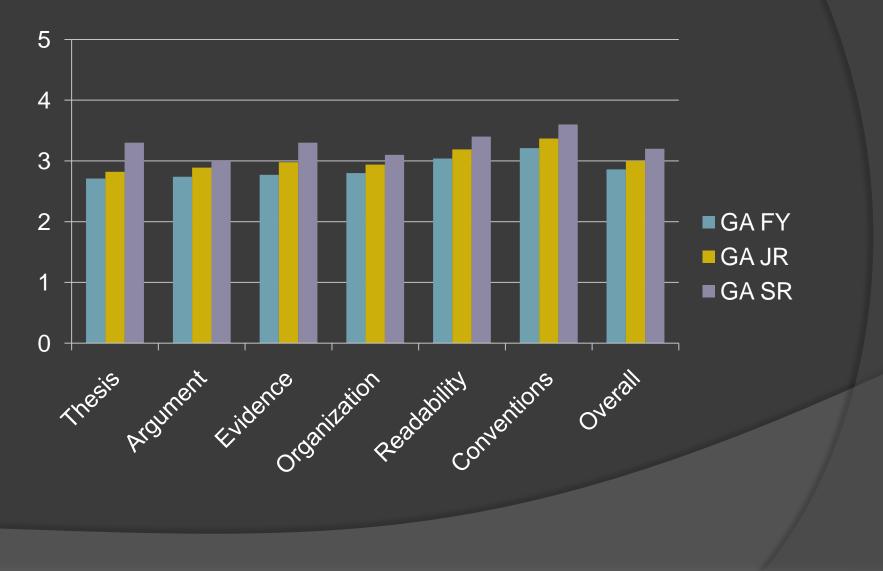
## **Critical Thinking Factors**

FY 2006 =	3.026	JRs+Srs = 3.465			
Depth	0.875	Development	0.901		
Conclusion	0.048	Conclusion	0.029		
Main Idea	0.010	Reasoning	0.014		
Reasoning 0.009		Evidence	0.006		
		Problem	0.005		

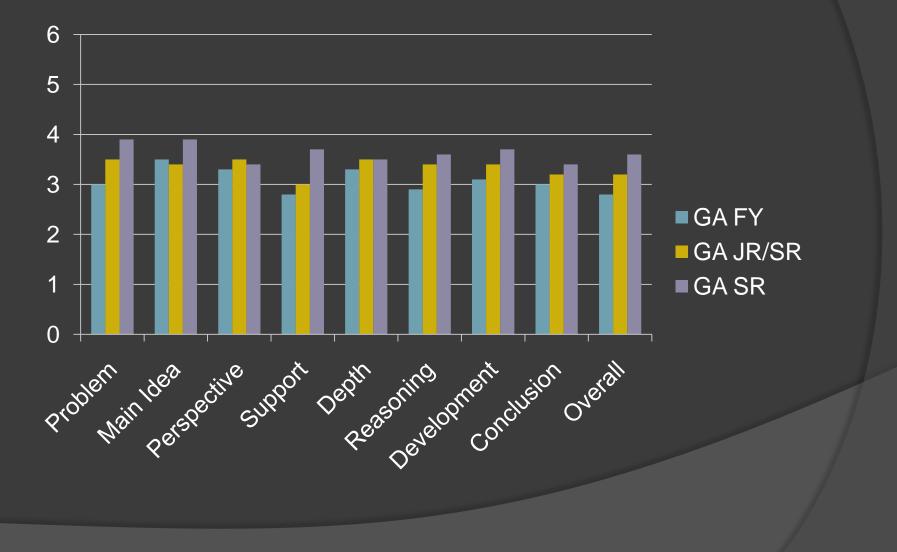
### Writing & Critical Thinking Review

School	Writing FY to JR Difference	Critical Thinking FY to JR/SR Difference
А	21%	20%
Gustavus	20%	11%
С	25%	-21%
D	2%	9%
E	20%	22%
F	25%	22%
ALL	19%	11%

### Writing Rubric Scores Round 2



#### Critical Thinking Rubric Scores Round 2



### **Other Factors**

- Assignment "Fit" with rubric
- Assignment Weight (% of grade)
- Major
- Paper Written for Major

### Peer Reviewed

#### **Average Scores**





	FY 06		SR 06		SR 09	
	Gustavus	Teagle	Gustavus	Teagle	Gustavus	Teagle
Performance Task	At	Above	At	At	At	At
Analytical Writing Task	At	At	At	At	Above	At
Make-an- argument	At	At	At	At	Above	Above
Critique-an- argument	Above	At	Below	Above	At	At
Total Score	At	Above	At	At	Above	At