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Overview of Writing Assessment at SHSU

In the 2012-2013 academic year, SHSU completed a successful writing assessment pilot.

- Approximately 400 student artifacts, gathered using a random stratified sampling scheme, were scored using a locally developed rubric.
- All data presented here comes from that pilot writing assessment

Following the successful pilot, SHSU has embarked upon a three-year rotating writing assessment cycle. Over the course of three years, endof-experience (i.e., junior- and senior-level) student writing artifacts will be examined from each SHSU's seven academic colleges.

- Each year, approximately 500 student writing artifacts are collected, redacted, coded, and scored using a locally developed writing rubric.
- Each artifact is scored twice, with a third rater introduced when there are cases of extreme disagreement.

This rubric asks you to identify a characteristic features. The writ writing level expected of a senio Legend: N/A = Not Applic I = few features a 2 = features are n	features of the writing present in the sample. You should <u>apply the numerical score based on degree of presence</u> of ing features selected for the rubric are those most likely present in any disciplinary writing sample and repre r-level college student. able re present ot often present
3 = features are o 4 = features are n	nost always present
CATEGORY	CHARACTERISTIC FEATURES
Ideas/Critical Thinking/Synthesis The depth of sophistication of thoughts and ideas. Features may include research, reasoning, evidence, detail, and development (appropriate to the field and genre)	 Central subject or argument of the assignment is easily identified, clearly emphasized, consistent with the evidence, and intriguing Reasoning is fully developed throughout the assignment with logical examples, details, and evidence where and as appropriate Assignment contains information that addresses counterarguments, biases, or reader's expectations as appropriate
Style The choices the writer makes for specific audiences. Features may include word choice, tone, and sentence length and structure	 Sustained awareness of audience throughout the assignment Writing tone suits the audience and enhances the assignment's purpose Sentence structure varies according to the content, purpose, and audience Sentences are consistently clear and logical Word choice is appropriate to the writing task
Organization The coherence of the writing. Features may include balance and ordering of ideas, flow, transition, and appropriate format (as defined in assignment)	 Text is purposefully organized and substantially developed in a way that clarifies the argument and enhances style Arrangement of ideas (overall structure) is clear, logical, and compelling as appropriate to the assignment; the reader mothrough the text easily Internal structure is cohesive and coherent; text flows and ideas are clearly and logically connected Transitions used appropriately
Conventions Adherence to standard American edited English. Features include grammar, punctuation, capitalization, spelling, and documentation.	 Grammar and mechanics support the reader's understanding of the writer's purpose without distracting errors Documentation style is consistent, if appropriate to assignment Sources, when appropriate, are effectively integrated into the body of the assignment Minor errors do not interfere with readability or damage the writer's credibility (as appropriate to the assignment paran
SHSU Writing Advisory Committee	Writing Research Project Updated 7,

Determining Interrater Reliability

ICCs are used to calculate interrater reliability. According to Cicchetti (1994), ICC agreement values:

- below .40 demonstrate poor agreement
- .40 .59 demonstrate fai ir agreement, from
- .60 .74 demonstrate agreement
- above .75 demonstrate excellent agreement

ICC Values From Initial Writing **Assessment Pilot**

Rubric Domain Area	Intraclass Correlation for Average Measures				
Ideas/Critical Thinking/Synthesis	.69				
Style	.65				
Organization	.64				
Conventions	.58				
Overall Artifact Average	.80				

Moving Beyond Means: Exploring How One University is Using Writing Data to Improve Performance

So, how do we USUALLY look at these data?

Domain	University Average	College #1	College #2	College #3	College #4	College #5	College #6
Ideas/Critical Thinking/ Synthesis	2.68	2.67	2.72	2.53	2.80	2.60	2.71
Style	2.67	2.67	2.65	2.44	2.78	2.65	2.74
Organization	2.63	2.73	2.56	2.40	2.66	2.59	2.69
Conventions	2.57	2.59	2.23	2.23	2.65	2.58	2.65
Overall	2.64	2.67	2.40	2.40	2.72	2.60	2.70

But what do these numbers REALLY tell us?

We need to look deeper at the data to better understand our students.

Sample Overview of Statistical Results

- What was the difference in the student writing ability as a function of student race?
- > The MANOVA procedure did not reveal a statistically significant difference in student writing performance as a function of race: \Box Wilks' Λ = .97, *p* = .56
- What was the difference in the student writing ability as a function of student gender?
- > The MANOVA procedure did not reveal a statistically significant difference in student writing performance as a function of gender, \Box Wilks' \land = .99, p = .65
- What was the relationship between student grade point averages and student writing ability?
 - Non-parametric Spearman's rho correlations revealed statistically significant relationships between GPA and overall writing scores, \Box $r_{s}(394) = .18, p = .008$ (Overlap of 3.24%)
- What was the relationship between student performance in introductory English courses and student writing ability? > Non-parametric Spearman's rho correlations revealed statistically significant relationships between student performance in introductory English courses and overall writing scores: □ English 1301 - $r_s(393) = .14$, p = .006 (Overlap of 1.96%)
- □ English 1302 $r_s(388) = .18$, p < .001 (Overlap of 3.24%) • What was the relationship between the location students took their introductory English courses and student writing ability? > Non-parametric independent samples *t*-tests (i.e., Mann-Whitney's U) did not reveal any statistically significant relationships between the location at which students took their first introductory English course:
 - **Location of English 1301** U = 15473.50, p = .796**Location of English 1302** - U = 16631.00, p = .894

Office of Academic Planning and Assessment



Descriptive Statistics for Overall Writing Scores

	n	Μ	SD
Race			
White	259	2.75	0.74
Black	51	2.61	0.81
Hispanic	56	2.57	0.66
Other	28	2.43	0.68
Gender			
Male	143	2.64	0.76
Female	251	2.71	0.72
Institutional GPA / Overall Scores			
Student Institutional GPA	394	3.06	0.54
Student Overall Writing Score	394	2.63	0.63
English Course Performance			
ENGL 1301	393	3.08	0.88
ENGL 1302	388	3.08	0.90
Location of ENGL 1301 Course			
Took Locally	112	2.65	0.63
Transferred	281	2.63	0.63
Location of ENGL 1302 Course			
Took Locally	129	2.64	0.63
Transferred	260	2.63	0.62

Conclusions and Questions for Further Discussion

- statistics.
- means.
- student ability.
- ethnicity?
 - scores?



• Inferential statistics can provide additional, important, information which may be missed by relying exclusively upon general descriptive

> They allow you to better understand what differences may exist between your different student groups.

> They allow you to better understand the meaning behind your

• Inferential statistics takes advantage of existing student data. > By combining student performance data with student demographics, we are able to gain a much more robust picture of

• Inferential statistics push the conversation beyond "How good is the institution?" and can drive meaningful conversations regarding how well students are learning, and how that learning can be improved. > For every question they answer, additional questions are raised. □ Should we expect to see a difference in scores by gender or

What sorts of additional factors are influencing student writing