## Empowering First-Year Students in English: Assessing the Validity and Reliability of Directed Self-Placement

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Research Questions

- Does the Directed Self Placement (DSP) survey
provide accurate English course recommendations for
first-year students?
- Do the results of the Direct Self Placement (DSP) and
the different levels of education that students' parents
have affect how well students perform, as shown by
their grades, in their first-year writing course?


## Introduction

-The Directed Self Placement (DSP) survey evaluated the abilities and interests of first-year college-level English students before enrollment.

The survey included questions about English courses, writing experience, reading habits, and self-assessed abilities.

The primary objective was to empower students to take control of their placement based on their skills and knowledge.

The study analyzed the final grade outcomes of the students' chosen English courses to assess the effectiveness of personalized course recommendations.

## Methods

- Data Sources:

Primary-Directed Self-Placement (DSP) online survey.
Secondary-Student Success Dashboard, a university database.

- Participants: 5,238 first-year college students at CSULB all of whom completed the DSP survey before SOAR.
- Materials: The English department utilized the Qualtrics software to create the DSP, a web-based survey.
- Procedure: Prior to first-semester registration, students completed the DSP, and were provided with English course recommendations based on their DSP score.

Data Analysis: Descriptive and inferential statistica analyses were conducted using SPSS software.

Results




Table 2

| Variable | $N$ | $U$ | SE | $p$ | z | $r$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Composition I | 2809 | 1013723 | 19441.66 | 0.123 | 1.541 | 0.03 |
| Composition II | 2429 | 796982 | 15659.61 | <. 001 | 3.911 | 0.08 |

The results of the Mann-Whitney U Test for Composition I found that there was no difference in Composition I course grades between those who followed the DSP recommendation to take a composition I course
(Mdn $=4.00$ and those who did not follow the DSP recommendation (Mdn $=4.00)(U=1013723, Z=1.54, p$ $=.123, r=0.03]$.
In contrast, the results of the Mann-Whitney U Test for Composition II found that there was a difference in
 course (Man $=4.00$ ) and
$3.911, p<.001, r=.0813]$

To better understand the difference between course grades and DSP recommendation for Composition $I I$ an
effect size was sacululated. The correlation coofficient
hiso biserial correlation technique, and the resulting value was 0.0313 . A small effect size indicatest that while an
effect was found the difference between composition $I \mid$ course grades for those who took the class despite effect was found the difference between composition II course grades or those who took the class despite
the DSP recommendation were only abouta little different from those who followed the DSP recommendation to take the class.

Table 3
Results of Mann - Whitney Non-Parametric Test Parental Education level
Results of Mann - Whitney Non-Parametric Test Parental Education level

| Variable | $N$ | $U$ | SE | $p$ | $Z$ | $r$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Parents who have <br> graduated college | 783 | 82495 | 2761.534 | 0.032 | 2.142 | 0.08 |
| Parents who have <br> some college | 630 | 53746.5 | 2063.17 | 0.043 | 2.019 | 0.08 |
| Parents who have <br> no college | 813 | 85838 | 3078.341 | 0.145 | 1.459 | 0.05 |

The results of the Mann-Whitrey U Test for students who have taken composition II and have parents that have graduated college found that there was a difference in Composition II course grades between those
who followed the DSP recommendation to take a composition || course (Mdn 4.00 ) and those who did not Willow the DSP recommendation (Mdn $=4.00$ ) [ $U=82495, Z=2.142, p<0.032, r=0.08]$.
Similarly, the results of the Mann-Whiney U Test for students who have taken composition II and have Parents that have some college found that there was a difiference in Composition II course grades between
those who fololowed the DPP recommendation to take a composition II course (Mnd 4.00 ) and those who did
not follow the DSP recommendation (Mdn 3 .

In contrast, the results of the Mann-Whitney U Test for students who have taken composition II and have
parents that have no college educaction found that there was no difference in Composition | I cours arades parents that have no college education found that there was no diference it Composition 1 course grades
between those who followed the DSP recommendation to take a composition II course (Mdn= 3.00 ) and between those who followed the DSP recommendation to take a composition II course (Mdn= $=3.00$ ) and
those who did not follow the DSP recommendation (Mdn $=3.00$ ) $[U=85838, Z=1.459, p=0.145, r=0.05]$.


Conclusion / Discussion
No substantial performance disparities are present among Composition I subgroups, suggesting that the DSP commendations might be effective, or additional factors could be counteracting potential inconsistencies.

Significant differences did emerge among Composition II subgroups, which calls for additional exploration into the factors that contribute to these discrepancies
o further explore differences that emerged in Composition Students were segmented based on their parents educational backgrounds

Significant differences in performance for Composition II college or have some college experience.

These findings highlights the potential impact of parental education on students' academic success in Composition and align with existing educational research that suggests parental education can significantly impact students' learning outcomes and success.
The data suggests that a more nuanced understanding of the factors contributing to the observed differences in performance among Composition II subgroups is needed

## Implications for Action

- Refine DSP process: Utilize findings to revise survey questions, provide clearer instructions, and offer resources to help first-yea students make accurate self-assessments.

Enhance course design: Understand subgroup performance differences in Composition I and II courses and modify content, pedagogy, or support structures accordingly.

- Foster collaborations: Encourage partnerships among faculty support staff, and administrators to develop targeted interventio or support systems for specific student subgroups.
- Inform future research: Use project findings as a basis for further exploration into factors that contribute to students' performance in composition courses, including qualitative studies.


## Next Steps / Future Directions

Longitudinal study following a Composition I or II cohort through a three-year period.
Examine graduation rates / other measures of academic
achievement.
Identify factors that contribute to students' success or barriers they may face

Develop interventions and support systems for students.

