Institutional Environment, Student Motivation & Study Abroad Participation

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Definition: Study Abroad

- College students spend a short period abroad but get their degree or certificate in their home institutions.
Background of Our Study

Imbalance

Students
Gender, SES, Motivation

Institutions
Resources, Environment
Research Purpose

Explore the impact of

Student’s first year study abroad intention

Institutional environment

on study abroad participation
Theoretical Frameworks

- Astin I-E-O model

- Push-pull factors
Methodology

- **Data:** NSSE 2004-2010
- **Dependent variable:** study abroad participation
- **Independent variables:**

<table>
<thead>
<tr>
<th>Student</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intention</td>
<td>Carnegie classification</td>
</tr>
<tr>
<td>Demographic (gender, race)</td>
<td>Selectivity (average SAT/ACT)</td>
</tr>
<tr>
<td>SES (parent’s education)</td>
<td>Undergraduate Edu expend</td>
</tr>
<tr>
<td>Academic Prep (SAT/ACT)</td>
<td>average NSSE benchmarks</td>
</tr>
<tr>
<td>NSSE benchmarks</td>
<td></td>
</tr>
</tbody>
</table>
Methodology

Multilevel Logistic Regression

- \( \text{logit}(P_{ij}) = \beta_{0j} + \beta_{1j}X_{1ij} + \beta_{1j}X_{2ij} + \cdots + \beta_{qj}X_{qij} \)
- \( \beta_{0j} = \gamma_{00} + \gamma_{01}Z_1 + \gamma_{02}Z_2 + \cdots + \gamma_{0q}Z_p + U_{0j} \)
Major Findings – study abroad intention

- no clear intention
- plan to study abroad

1
5.46
### Major Findings—Institutional Environment

<table>
<thead>
<tr>
<th>Category</th>
<th>Plan to</th>
<th>No Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Academic challenge</strong></td>
<td>2.19</td>
<td>2.28</td>
</tr>
<tr>
<td><strong>Active and collaborative learning</strong></td>
<td>0.37</td>
<td>0.19</td>
</tr>
<tr>
<td><strong>Student-faculty interaction</strong></td>
<td>0.72</td>
<td>0.87</td>
</tr>
<tr>
<td><strong>Enriching educational experiences</strong></td>
<td>4.43</td>
<td>3.09</td>
</tr>
<tr>
<td><strong>Supportive campus environment</strong></td>
<td>1.02</td>
<td>2.14</td>
</tr>
</tbody>
</table>

Odds ratio of study abroad
Implications

- Encourage study abroad intention;
- Promote campus diversity;
- Create supportive campus environment;
- Meet the needs of students from disadvantaged family background.
Thank you!

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