Student Flow Model, Data Collection, and Fall-To-Fall Retention
Student Flow Model – A Starting Point
Historical Context

First-Time, Full-Time Degree-Seeking Undergraduates Retention Rates
First Fall to Second Fall (Fall-to-Fall) Rates

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>University % Retained</th>
<th>ETCS % Retained</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2008</td>
<td>62.2%</td>
<td>74.4%</td>
</tr>
<tr>
<td>Fall 2009</td>
<td>61.8%</td>
<td>75.2%</td>
</tr>
<tr>
<td>Fall 2010</td>
<td>59.5%</td>
<td>72.7%</td>
</tr>
<tr>
<td>Fall 2011</td>
<td>60.1%</td>
<td>69.0%</td>
</tr>
<tr>
<td>Fall 2012</td>
<td>66.9%</td>
<td>70.3%</td>
</tr>
<tr>
<td>Fall 2013</td>
<td>68.6%</td>
<td>74.8%</td>
</tr>
<tr>
<td>Fall 2014</td>
<td>63.5%</td>
<td>73.1%</td>
</tr>
<tr>
<td>Fall 2015</td>
<td>61.7%</td>
<td>61.7%</td>
</tr>
<tr>
<td>Fall 2016</td>
<td>58.5%</td>
<td>62.4%</td>
</tr>
</tbody>
</table>
Digging into Fall 2016 to Fall 2017 Retention Rates

Primary Research Question:
1. How did Fall 2016 to Fall 2017 retention rates vary according to demographic, pre-college, and enrollment variables?
### Digging into Fall 2016 to Fall 2017 Retention Rates
#### Variables Used in Study

<table>
<thead>
<tr>
<th>Pre-College</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>High School GPA</td>
<td></td>
</tr>
<tr>
<td>Total SAT</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Demographics</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td></td>
</tr>
<tr>
<td>Ethnicity</td>
<td></td>
</tr>
<tr>
<td>Gender</td>
<td></td>
</tr>
<tr>
<td>First-Generation Student</td>
<td></td>
</tr>
<tr>
<td>Residency Status</td>
<td></td>
</tr>
<tr>
<td>Distance from Campus (in miles)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Enrollment Behaviors</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial Aid</td>
<td></td>
</tr>
<tr>
<td>Athlete Scholarship</td>
<td></td>
</tr>
<tr>
<td>Dependency Status</td>
<td></td>
</tr>
<tr>
<td>Expected Family Contribution (EFC)</td>
<td></td>
</tr>
<tr>
<td>Fee Remission</td>
<td></td>
</tr>
<tr>
<td>Grant</td>
<td></td>
</tr>
<tr>
<td>Institutional Scholarship</td>
<td></td>
</tr>
<tr>
<td>Total Amount of Financial Aid Accepted</td>
<td></td>
</tr>
<tr>
<td>First Fall Semester Earned Hours</td>
<td></td>
</tr>
<tr>
<td>First Fall Semester GPA</td>
<td></td>
</tr>
<tr>
<td>Living in Student Housing</td>
<td></td>
</tr>
<tr>
<td>Student Athlete</td>
<td></td>
</tr>
</tbody>
</table>
Retention Rates by Pre-College Variables

Fall 2016 to Fall 2017 Retention Rates
By SAT Score Ranges

- 600 to 699*: 100.0%
- 700 to 799: 57.1%
- 800 to 899: 71.4%
- 900 to 999: 53.6%
- 1000 to 1099: 60.0%
- 1100 to 1199: 57.9%
- 1200 to 1299: 88.9%
- 1300 to 1399: 80.0%
- 1400 to 1499: 100.0%
- 1500 or Greater: 100.0%
- Missing SAT Scores: 69.1%
Retention Rates by Pre-College Variables

Fall 2016 to Fall 2017 Retention Rates
By High School GPA

- 2.5-2.99: 47.9%
- 3.0-3.49: 62.5%
- 3.5 or Greater: 76.0%
- Missing HS GPA: 100.0%
Retention Rates by Student Demographics

Fall 2016 to Fall 2017 Retention Rates
By Age Ranges

<table>
<thead>
<tr>
<th>Age Range</th>
<th>Retention Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 18</td>
<td>75.0%</td>
</tr>
<tr>
<td>18</td>
<td>62.5%</td>
</tr>
<tr>
<td>19</td>
<td>66.7%</td>
</tr>
<tr>
<td>20</td>
<td>25.0%</td>
</tr>
<tr>
<td>21-24</td>
<td>100.0%</td>
</tr>
<tr>
<td>25 or Greater</td>
<td>100.0%</td>
</tr>
</tbody>
</table>
Retention Rates by Student Demographics

Fall 2016 to Fall 2017 Retention Rates
By Ethnicity

- American Indian or Alaskan Native: 100.0%
- Asian: 62.5%
- Black or African American: 85.7%
- Hispanic or Latino: 42.9%
- Non-Resident Alien: 92.3%
- Two or more races: 75.0%
- White: 61.6%
Retention Rates by Student Demographics

Fall 2016 to Fall 2017 Retention Rates By Gender

- Women: 89.5%
- Men: 61.5%
Retention Rates by Student Demographics

Fall 2016 to Fall 2017 Retention Rates
By Distance From Campus (in Miles)

- Less Than 10: 62.5%
- 10-20: 70.0%
- 20-30: 66.7%
- 30-60: 60.6%
- 60-90: 41.2%
- 90 or Greater: 78.9%

IPFW is an Equal Opportunity/Equal Access University.
Retention Rates by Enrollment Behaviors

Fall 2016 to Fall 2017 Retention Rates
By Department

- Civil/Mechanical Engineering: 66.0%
- Computer Science: 70.2%
- Computer/Electrical/Info Tech: 54.2%
- Electrical/Computer Engr: 61.8%
- Mfg/Const Engr Tech/Intr Dsgn: 60.0%
- Org Leadership and Supervision: 66.7%
Retention Rates by Enrollment Behaviors

Fall 2016 to Fall 2017 Retention Rates
By Expected Family Contribution

- Zero EFC: 51.2%
- $1-$4,499: 68.6%
- $5,000-$9,999: 70.4%
- $10,000-$14,999: 53.3%
- $15,000-$19,999: 41.7%
- $20,000-$24,999: 77.8%
- $25,000-$29,999: 71.4%
- $30,000 or Greater: 71.4%
- Did not complete FAFSA form: 72.7%
Retention Rates by Student Demographics

Fall 2016 to Fall 2017 Retention Rates
By First Generation Status

- First-Generation: 61.0%
- Non-First-Generation: 63.9%
- Not Reported: 70.7%
Retention Rates by Student Demographics

Fall 2016 to Fall 2017 Retention Rates
By International vs Domestic Student Status

International: 92.3%
Domestic: 62.2%
Retention Rates by Student Demographics

Fall 2016 to Fall 2017 Retention Rates By Residency

- In-State: 60.6%
- Out-Of-State: 88.5%
Retention Rates by Enrollment Behaviors

Fall 2016 to Fall 2017 Retention Rates
By Dependency Status

- Dependent: 62.7%
- Independent: 50.0%
- Did not complete FAFSA form: 71.4%
Retention Rates by Enrollment Behaviors

Fall 2016 to Fall 2017 Retention Rates
By First Semester Earned Hours

- Less Than 12: 40.0%
- 12-14: 79.3%
- 15-17: 82.5%
Retention Rates by Enrollment Behaviors

Fall 2016 to Fall 2017 Retention Rates
By First Term GPA

- Less Than 2.00: 25.4%
- 2.00-2.49: 54.5%
- 2.50-2.99: 84.1%
- 3.00-3.49: 81.0%
- 3.5 or Greater: 91.9%
Retention Rates by Enrollment Behaviors

Fall 2016 to Fall 2017 Retention Rates
By Living in Student Housing

- On Campus: 65.2%
- Off Campus: 63.5%
Retention Rates by Enrollment Behaviors

Fall 2016 to Fall 2017 Retention Rates
By Student Athlete Status

- Not Student Athlete: 63.0%
- Student Athlete: 100.0%