Non-Cognitive Predictors of Student Success: A Predictive Validity Comparison Between Domestic and International Students

INTRO
- Sexual assault is associated with a number of mental health problems.
- One of the most serious of these problems is suicidality.
- Suicidality is common among survivors of many different traumas.
- It is unknown how much sexual assault is linked to suicidality relative to other traumas.

METHODS
- Participants: 390 adults recruited from Amazon’s Mechanical Turk.
- We tested our hypothesis using a Bayesian approach to multiple regression.
- We estimated the regression model using 3 chains of 20,000 iterations of Hamiltonian MCMC.

RESULTS

<table>
<thead>
<tr>
<th>Predictor</th>
<th>$\rho$</th>
<th>$\theta$</th>
<th>95% HDI</th>
<th>$R^2$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sexual Assault</td>
<td>0.61</td>
<td>0.80*</td>
<td>(0.74, 0.86)</td>
<td>0.62*</td>
</tr>
<tr>
<td>Other Traumas</td>
<td>-0.02</td>
<td>0.05</td>
<td>(-0.01, 0.11)</td>
<td>0.02</td>
</tr>
</tbody>
</table>

Note: *indicates that 0 did not fall within 95% of Highest Density Interval (HDI).

DISCUSSION
- These results highlight the influence of sexual assault on suicidality.
- This suggests the need for assessment of suicide risk with sexual assault survivors.
- Intervention with survivors should also take suicidality into consideration.
- Future research could clarify these results by assessing other traumas with more specificity.

Large incremental effect of sexual assault on suicidality.