Background

• Gender differences in teaching well documented

• Teaching style
  • Some find gender gap disappears after controlling for discipline

Purpose

• To examine gender differences in teaching style

• To determine whether gender differences vary by course characteristics such as discipline, course level, and course size
Data Source and Sample

- 107 institutions from FSSE 2006
  - 21% doctoral
  - 41% master's
  - 31% baccalaureate
  - 56% public

- 9,647 faculty
  - 46% women
  - 84% White
  - 84% FT
  - Avg course load = 5
  - 49% GEC
  - Avg course size = 40
  - 28% Hard, 72% Soft
  - 65% Pure, 35% Applied
  - 35% Life, 65% Non-Life

Dependent Measures

- Percent of class time spent lecturing

- Percent of class time spent on active classroom practices
  - Student-faculty shared responsibility
  - Small group activities
  - Student presentations

Independent Measures

- Faculty Characteristics
  - Gender, Race/ethnicity, FT/PT, Tenure status, & course load

- Course Characteristics
  - Discipline--Biglan, Course level, General Ed Req, Course times, & Course size

- Institutional Characteristics
  - Carnegie Classification & Control

- Interactions between Gender and Course Characteristics
Analyses

- OLS Regression
  - Block 1 = faculty, course, and institutional characteristics
  - Block 2 = interaction terms
- All independent variables grand mean centered prior to entry

Results

- Percent of Class Time Lecturing
  - Women spend 10% less than men
- Percent of Class Time on Active Practices
  - Women spend 14% more than men
- These gaps between women and men vary by course characteristics

Lecturing Gaps by Discipline

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Men (Gap=11.3%)</th>
<th>Women (Gap=8.0%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Life</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Life</td>
<td></td>
<td></td>
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</tbody>
</table>
**Implications**

- The effect of gender should not be treated equally
- None of Biglan’s categories should be ignored
- Examine other discipline categorizations (i.e. Holland)
- Be mindful of differences and address them with colleagues
For more information

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