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## What's in a Name: Exposing Gender Bias in Student Ratings of Teaching

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# **What's in a Name: Exposing Gender Bias in Student Ratings of Teaching**

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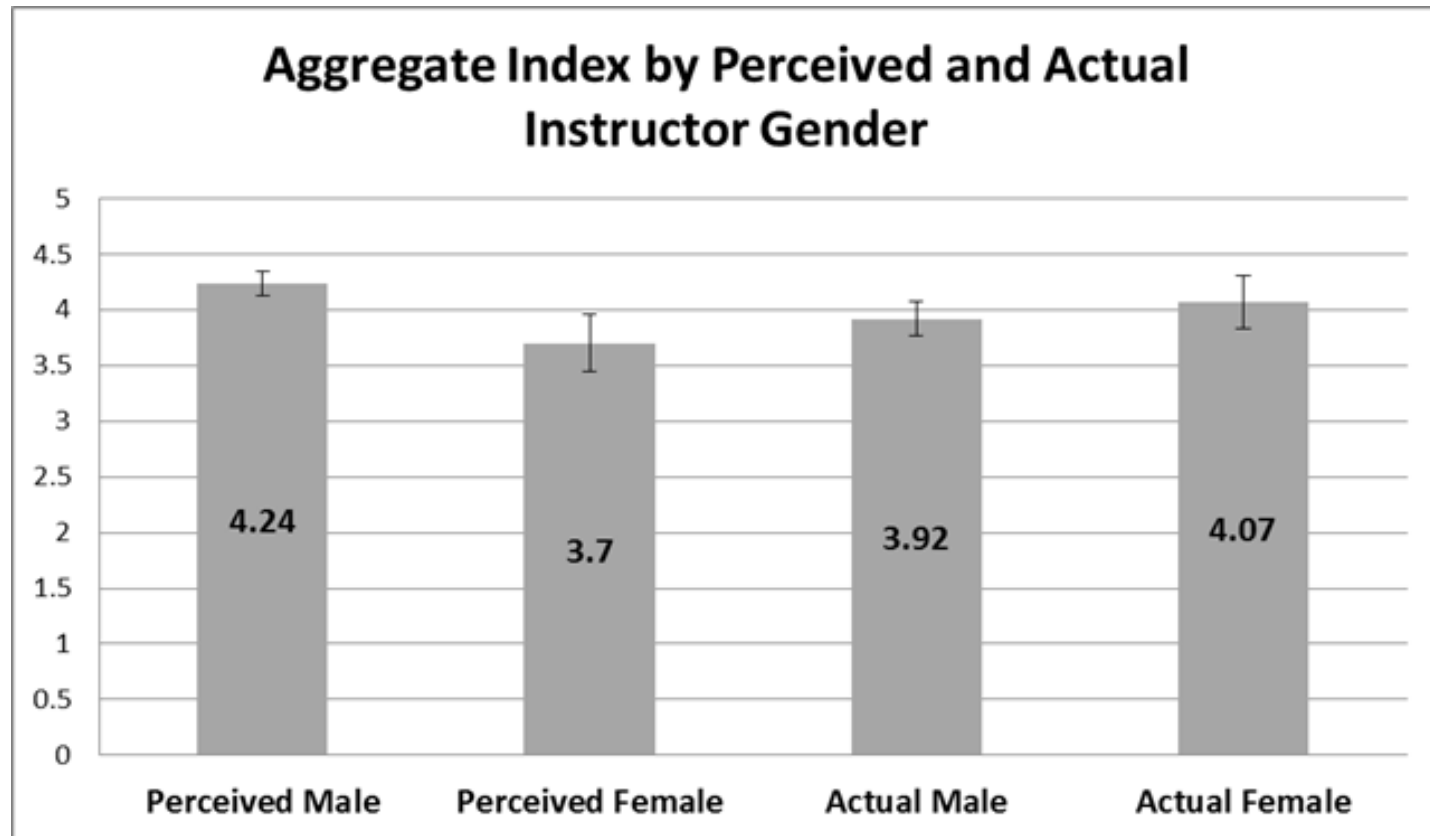
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# Study design

<b>Discussion Group</b>	<b>Instructor's Perceived Gender</b>	<b>Instructor's Actual Gender</b>
Group A	Female	Female
Group B	Female	Male
Group C	Male	Female
Group D	Male	Male

# Study design

# Results



**Figure 1-** Comparison of the aggregate index of student ratings across perceived instructor gender (left two columns) and actual instructor gender. The difference on the left is significant to the 0.1 level.

Question	Actual Female	Actual Male	Difference	Perceived Female	Perceived Male	Difference
Caring	4.00 (1.257)	3.87 (0.868)	0.13 ( <i>0.004</i> )	3.65 (1.226)	4.17 (0.834)	-0.52 ( <i>0.071</i> )
Consistent	3.80 (1.322)	3.70 (1.020)	0.10 ( <i>0.002</i> )	3.50 (1.357)	3.96 (0.928)	-0.47 ( <i>0.045</i> )
Enthusiastic	4.05 (1.191)	3.78 (0.850)	0.27 ( <i>0.019</i> )	3.60 (1.314)	4.17 (0.576)	-0.57† ( <i>0.112</i> )
Fair	4.05 (1.050)	3.78 (0.951)	0.27 ( <i>0.018</i> )	3.50 (1.192)	4.26 (0.619)	-0.76* ( <i>0.188</i> )
Feedback	4.10 (1.252)	3.83 (1.029)	0.27 ( <i>0.015</i> )	3.70 (1.380)	4.17 (0.834)	-0.47 ( <i>0.054</i> )
Helpful	3.65 (1.309)	3.83 (0.834)	-0.18 ( <i>0.008</i> )	3.50 (1.192)	3.96 (0.928)	-0.46 ( <i>0.049</i> )
Knowledgeable	4.20 (1.056)	4.09 (0.949)	0.11 ( <i>0.003</i> )	3.95 (1.191)	4.30 (0.765)	-0.35 ( <i>0.038</i> )
Praise	4.35 (0.988)	4.09 (0.900)	0.26 ( <i>0.020</i> )	3.85 (1.089)	4.52 (0.665)	-0.67* ( <i>0.153</i> )
Professional	4.30 (1.218)	4.35 (0.935)	-0.05 ( <i>0.000</i> )	4.00 (1.414)	4.61 (0.499)	-0.61† ( <i>0.124</i> )
Prompt	4.10 (1.252)	3.87 (0.919)	0.23 ( <i>0.013</i> )	3.55 (1.356)	4.35 (0.573)	-0.80* ( <i>0.191</i> )
Respectful	4.30 (1.218)	4.35 (0.935)	-0.05 ( <i>0.001</i> )	4.00 (1.414)	4.61 (0.499)	-0.61† ( <i>0.124</i> )
Responsive	4.00 (1.124)	3.57 (0.843)	0.43 ( <i>0.052</i> )	3.65 (1.137)	3.87 (0.869)	-0.22 ( <i>0.013</i> )
Student Rating Index	0.09 (1.165)	-0.08 (0.850)	0.17 ( <i>0.008</i> )	-0.33 (1.267)	0.284 (0.584)	-0.61† ( <i>0.128</i> )
<i>N</i>	20	23		20	23	

**Note:** Each cell contains the mean student response for the question with the standard deviations in parentheses. The cells in the Difference columns contain the difference between the means with the *r*-squared in italics and parentheses. Welch's *t*-tests were used to establish the significance of the observed differences.

†  $p \leq 0.10$ .

\*  $p \leq 0.05$ .

# Nonparametric tests

# Nonparametric tests

	Welch's t-test (perceived)	Bootstrapped pooled variance (perceived)	Welch's t-test (actual)	Bootstrapped pooled variance (actual)
Caring	0.1161	0.1081	0.6989	0.7794
Consistent	0.2136	0.2378	0.7761	0.7980
Enthusiastic	0.0825	0.0596	0.4092	0.4650
Fair	0.0159	0.0112	0.3897	0.4544
Feedback	0.1909	0.1839	0.4425	0.5078
Helpful	0.1744	0.2012	0.6086	0.6737
Knowledgeable	0.2622	0.2912	0.7158	0.7660
Praise	0.0229	0.0173	0.3698	0.4342
Professional	0.0804	0.0619	0.8873	0.8934
Prompt	0.0218	0.0137	0.5017	0.5813
Respectful	0.0804	0.0629	0.8873	0.8923
Responsive	0.4864	0.4872	0.1652	0.1718
<i>Index</i>	0.0581	0.0419	0.5843	0.5830



Thank you!