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Telepresence: Democratizing the Higher Education Classroom

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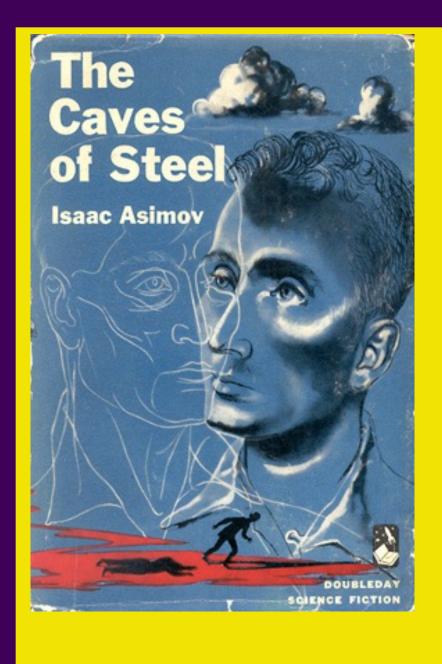
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Introduction



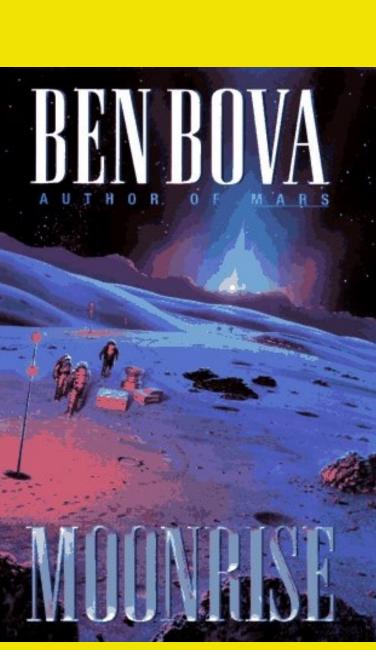
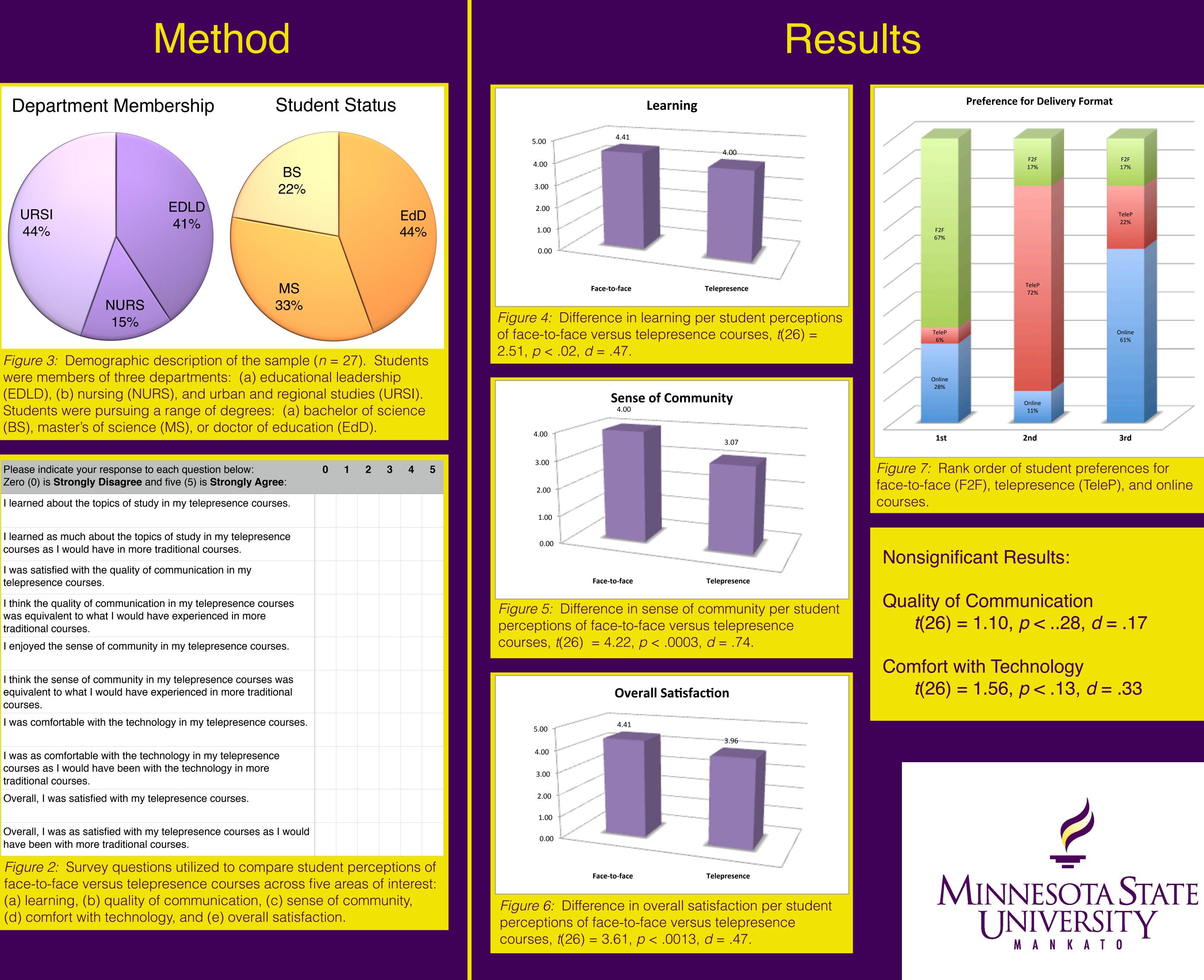


Figure 1: Harbingers of the future, novels such as The Caves of Steel by Isaac Asimov (1954) and Moonrise by Ben Bova (1996) predicted the ability to teach synchronously across vast geographic distances.

Driven by a confluence of changing socioeconomic and demographic conditions, American higher education is experiencing a growing disruption to the traditional model of classroom-based instruction. From the original correspondence courses of the 19th century to the MOOCs of the present, many colleges and universities have sought to utilize the technologies of their day to offer opportunities for asynchronous learning among an increasingly diverse student body. While potentially providing a quality education, such asynchronous approaches to the non-traditional classroom obviate the Socratic dialectic inherent to the more traditional classroom setting. Instead, telepresence offers a compelling alternative to this historic either-or dilemma.

By allowing a class to synchronously work face-to-face across two or more distributed sites, a professor may effectively engage in meaningful dialogue with students who are geographically disadvantaged.

Numerous academic departments at Minnesota State University, Mankato have begun to implement immersive telepresence technology into a range of undergraduate and graduate coursework in order to break down the geographic barriers that have historically separated more rural communities from advanced education.



Telepresence: Democratizing the Higher Education Classroom Jason Kaufman, Ph.D., Ed.D. Candace Raskin, Ed.D. Minnesota State University, Mankato

F2F 17% TeleP 22% Online 61%

