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**Context:**  
A political science research team is investigating how students who have declared a political science major feel about the president’s handling of the economy. Each student either **approves (1)** or **disapproves (0)** of the president’s economic performance. The variable is binary and follows a **Bernoulli distribution**.

Suppose you have been given a **random sample of 100 political science majors**, drawn from the student population at Stony Brook. Further, suppose that the calculated **sample proportion is 58%**. The goal is to use this sample to test whether the **population proportion** of students who approve is statistically **different from 0.50.**

**Below is the app you must use for your calculations.** (you can click this link or open it in a new tab, if you have issues displaying the app in the quiz: [https://iurbinah-prop-test.hf.space](https://iurbinah-prop-test.hf.space/))

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