

Carefully read the description of the experiment below. Be prepared to answer the questions that follow the design description as a class quiz.

In an effort to improve checkout, new electronic self-check-out systems have been installed in many stores. This study compares cashier checkout with self-checkout at Wal-Mart Super Centers in the Jackson, Mississippi, area. Ninety shoppers were randomly chosen and observed on each checkout system and data was collected on the number of items, the length of time the shopper was in line. The rate of checkout errors was also recorded. Our objective at this time is to determine if there a statistically significant difference in the error rates between the two systems. The data is represented in the table below.



	Error	No Error	Total
Cashier Checkout System	15	772	787
Electronic Self- Checkout System	50	711	761
Total	65	1483	1548