

**Mgmt 230: Introductory Statistics**  
**Quiz: Test for Independence**

An urban economist is interested in determining whether the region of the United States a person lives in is related to their highest level of education. He randomly selects 1,804 residents over the age of 30 and asks where they live and what their highest level of education is. He obtains the following data:

Area of Country	Level of Education			
	Less than High School	High School	Some College	Bachelors or Higher
Northeast	52	123	70	94
Midwest	123	146	102	96
South	119	204	148	144
West	62	106	111	104

Conduct a hypothesis test to determine whether or not there is evidence that area of the country and level of education are related. Report and interpret your p-value.

If you do this problem by hand, you're crazy!