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Geog:4030

Assignment 1: Questions and Hypotheses

**1a. Has the Cedar River’s form or path shifted in the past 50 years?**

Ha shape and form of Cedar River has changed in the past 50 years.

H0 shape and form of Cedar River has remained stagnant over the past 50 years.

**1b. Is the change in the river more pronounced in some areas?**

Ha the change in the river is disproportionate along the river.

H0 shape and form of Cedar River over time is uniform.

**2a. What is the distribution of population under 18 within Iowa?**

Ha population under 18 is clustered in certain parts of the state.

H0 population under 18 is evenly distributed across Iowa.

**2b. Are variables of Education (funding, size, teachers) associated with disproportionate distribution of population under 18?**

Ha strength of education system influences the distribution of population under 18.

H0 strength of education system has no influence on the distribution of population under 18.

**3a. What is the distribution of landcover converted from greenspace within Iowa?**

Ha uneven distribution of landcover classes converted from land within the ‘greenspace’ classification.

H0 even distribution of landcover classes converted from land within the ‘greenspace’ classification.

**3b. Was the rate at which landcover was transformed from greenspace uniform over time?**

Ha rate of landcover conversion fluctuates over time.

H0 rate of landcover conversion remains uniform over time.