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#### Demographics of SIUC Students

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# Demographics of SIUC Students

## By Christine Prinz

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#### Objectives

- > Look at what regions of Illinois SIUC is recruiting from
- ➤ What economic classes and racial groups are we attracting here?
- ➤ If SIUC is looking to increase its diversity, then where should they be looking to recruit?

#### Data Used

- ➤ Illinois Town Population as of July 2007
- ➤ Median Household Income per town
- Racial Group Demographics (in % by town)
- ➤ Number of Students that attend SIUC & University of Illinois UC from each town
- ➤ Distance to both SIUC and UIUC

#### Methodology

- Correlation to test relationships between the variable listed
- > Regression to test the significance of relationships between variables as well to learn more about each variable and its
- Averages & weighted averages

### Results

> Correlate student population to distance traveled to both schools

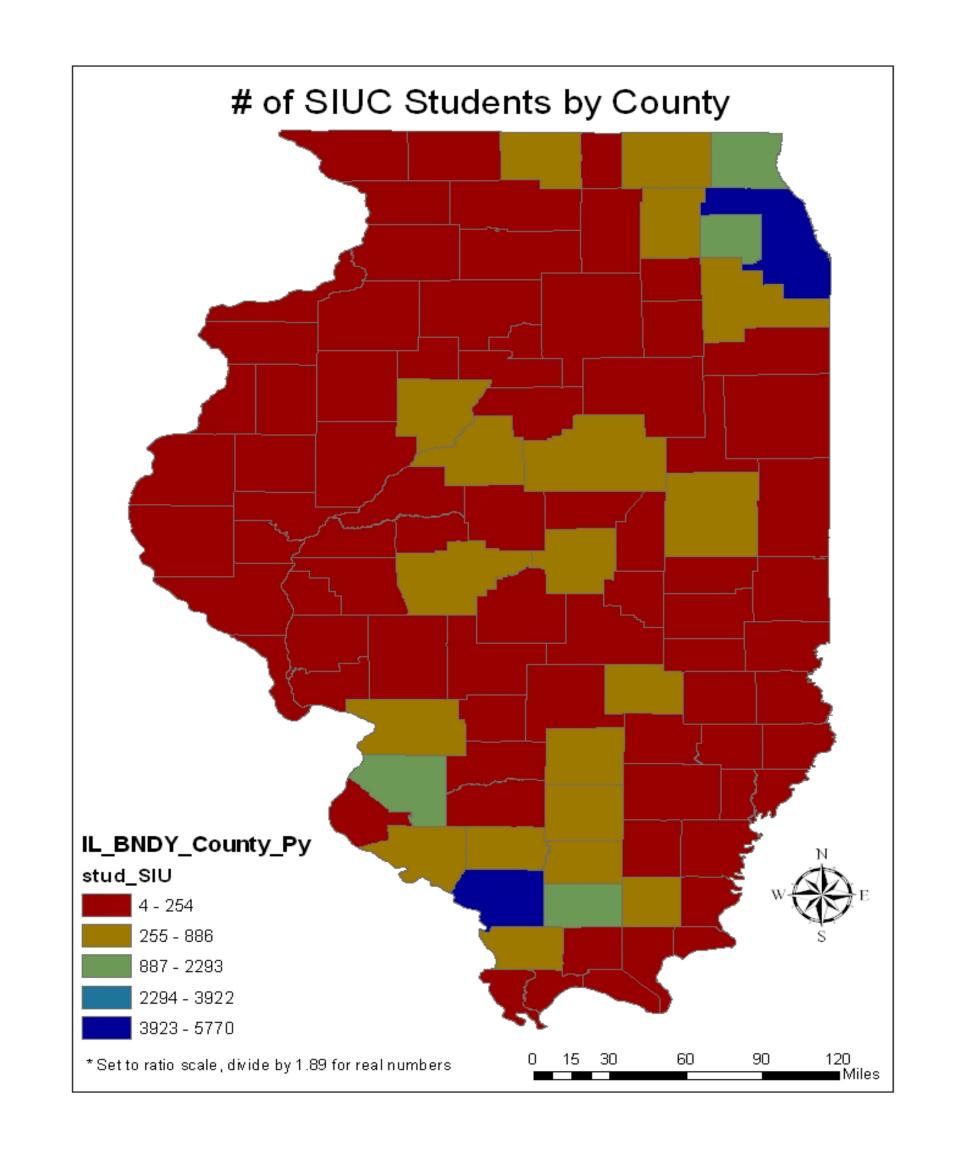
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- Correlate student population to each racial group
- Caucasian: -.1181
- ➤ African American: .0990
- ➤ Hispanic: .0384
- Regress each racial group (dep. var.) with student population and distance (indep. var.)
- Caucasian: r = .1814
- ➤ African American: r = .1493
- ➤ Hispanic: r = .1371

Map 1: Number of SIUC Students By County



Each of the county

maps shows us that

important to those

UIUC could be

what may be the most

looking into SIUC and

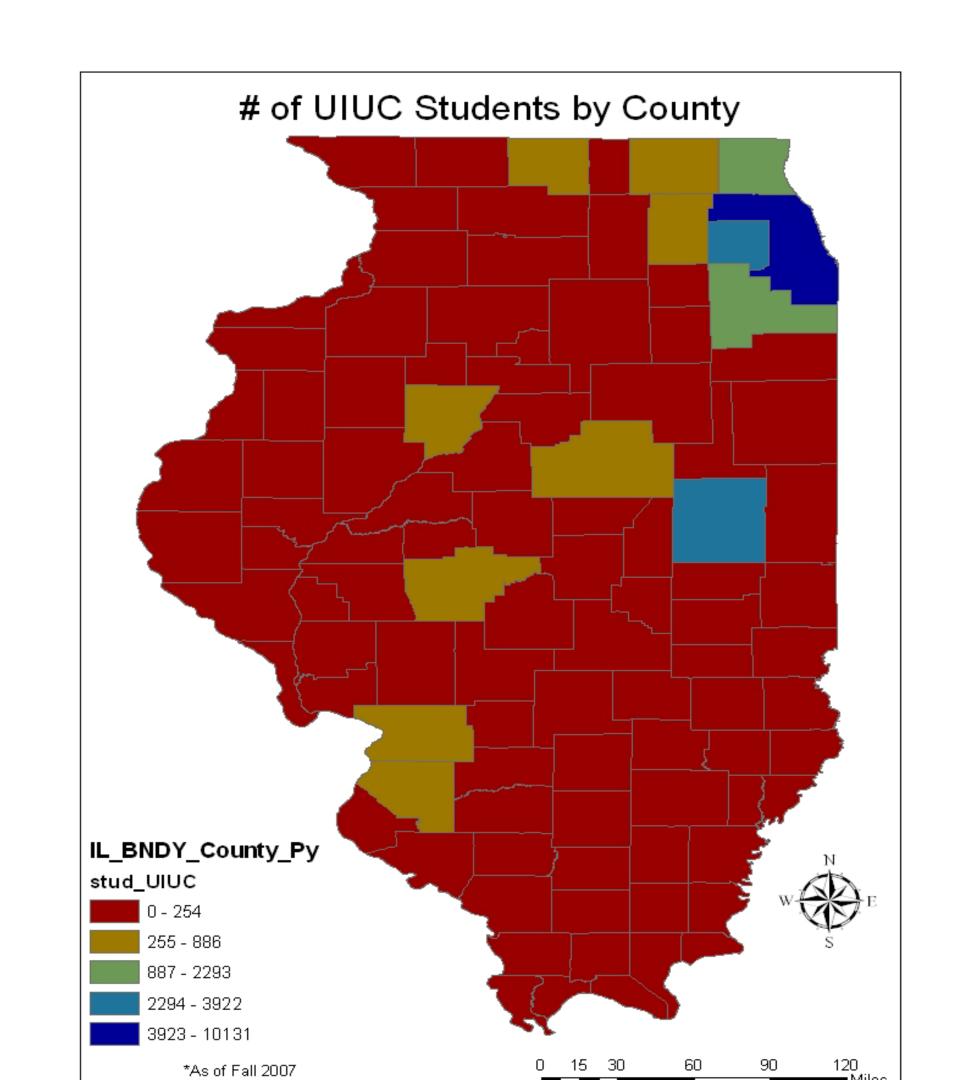
completely different

since there is a drastic

difference between

where we draw

students from.



Chicago region but also the southwestern & central parts of the state—cities and specific counties instead of being spread across the state.

This point map can be

used to spatially show

what communities

SIUC should be

working harder to

recruit in if they are

looking to increase

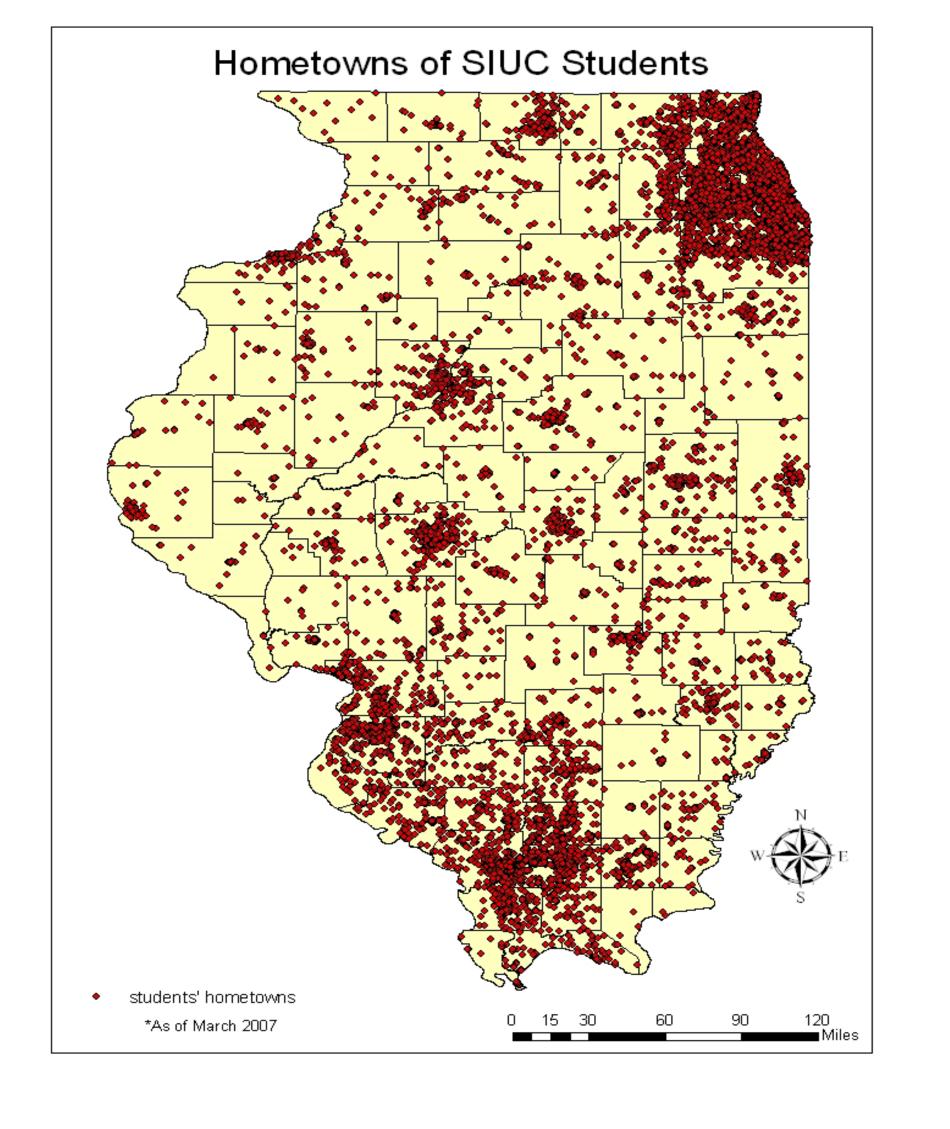
there diversity such as

the rural areas instead

looking into more of

of urban.

## Map 3: Hometowns of SIUC Students



Map 3: This shows how a majority of SIUC students are not only from the Chicago and St. Louis areas but from many of the larger cities across the state.

> The correlation between student population and distance for SIUC has a negative relationship but because it is so close to zero is also a very insignificant relationship. This is telling us that as the distance increases in length the number of students are actually decreasing, which shows us that maybe the Chicago area does not play home to as many of the SIUC students as previously thought. This same correlation for UIUC is also negative but insignificant and gives us the same reasoning and meaning behind the low statistic.

Analysis/Conclusions

- The relationship between each racial group and student and the Caucasian race is negative unlike with the African American and Hispanic races. This shows us that as the percentage of each race increases the number of Caucasians are actually decreasing while the number of African Americans and Hispanic increase.
- > If each race is a dependent variable regressed with the student population and distance as independent variables then those correlations actually increase a great amount but still do not lead to a significant relationship.
- The table above shows us that using the number of students as a weight drastically changes the numbers. Everything from the Median Household Income to race and distance change significantly.

### Analysis/Conclusions

Thanks to all those who helped and contributed to this project

- Dr. Matthew Therrell
  - Kevin Davie
- Dr. Scott Gilbert

# Map 2: Number of UIUC Students By County Results Continued... Weighted Average \$45,700 Household Income % African American

Distance (Miles)