| GEOL 452/552 - GIS for Geoscientists I  |  | Find the <b>wrong</b> statement<br>about spatial joins   |  |
|---|--|--|--|
| Lecture 13 - Chapter 6  |  | When requesting<br>summary statistic(s) (e.g.<br>SUM), <b>all</b> numeric fields<br>are calculated | All summarized joins<br>will append a<br><b>COUNT</b> _ field                                    |
| <ul> <li>Multi-step class exercise (Ch6b_class_ex folder)</li> <li>Lab: Finish Ch 6 tutorial and HW 6</li> </ul>      |  | All distance joins will append a <b>Distance</b> field   | The type and number<br>of features of the<br>joined layer is given by<br>the <b>source</b> layer |
| Which county has the most<br>cities (and how many) ?<br>Which is the right strategy?<br>(look at the table on p. 158) |  | Looking at each hotel, which<br>star is the closest to any hotel?<br>Which is the right strategy?  |  |
| D: Cities, S: Counties<br>Summarized Inside Join  | D: Cities, S: Counties<br>Simple Distance Join | D: Hotels, S: Stars<br>Simple Inside Join  | D: Hotels, S: Stars<br>Simple Distance Join  |
| D: Counties, S: Cities<br>Summarized Inside Join  | D: Counties, S: Cities<br>Simple Inside Join   | D: Stars, S: Hotels<br>Summarized Inside Join  | D: Stars, S: Hotels<br>Simple Distance Join  |



- What't the total length of all rivers belonging to the Mississippi System?
- What's the total and average number of people in counties intersection the Mississippi System?
- Di we use a Spatial join or spatial query?
- How to symbolize each Miss. river segment with the total number of people living in counties along it?

## Optional:

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- Anything else interesting? Any requests?
- Get the cities that are are closer to the Mississippi (rivers, this time use NAME) than to any other river
- What kind of spatial join? inside/distance ?simple/ summarize ?

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- What the result's geometry? Destination layer?
- How to symbolize the result?
- What's the average elevation of these cities?

## Wrap up

• Today: finish Ch 6 tutorial, HW 6

## • For next lecture:

send me at least one question for Midterm preparation (I will do HW 4, ex 5 and 6) email me or put in Bb Discussion Midterm review topics

• next Tuesday (Oct. 18): Midterm (be on time!)