







RECAP: REAL DATA RESEARCH

**SPATIAL DATA IS SPECIAL**



Linked geometric and tabular data



# Position and attributes

► Geometric data is NOT the same as adding a  
"location" name or coordinate values



Enabling simultaneous spatial and statistical analysis





May provide causal insights that otherwise won't be visible

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- ▶ Enables simultaneous spatial and statistical analysis
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## MOVING FROM TABULAR TO SPATIAL

State	White		African American	
	Incidence	Mortality	Incidence	Mortality
Alabama	115.6	24.5	103.8	31.6
Alaska	132.4	22.3	117.7	30.0
Arizona†	116.6	23.6	80.6	36.9
Arkansas†	117.4	22.8	102.3	34.9
California	133.3	25.0	118.1	33.7
Colorado	129.9	23.4	100.1	21.7
Connecticut	139.9	25.2	112.9	26.9
Delaware	126.9	25.3	117.5	32.7
Dist. of Columbia	153.0	26.7	122.9	36.1
Florida	122.0	22.8	101.7	30.5
Georgia	127.8	24.0	113.3	30.8
Hawaii	144.8	22.9	74.7	‡
Idaho	124.2	23.7	§	‡
Illinois	127.3	25.5	119.2	38.9
Indiana	121.2	25.7	109.6	34.2
Iowa	125.7	23.4	109.3	37.2
Kansas	§	24.6	§	37.9
Kentucky	121.0	25.5	129.8	36.6
Louisiana	121.6	25.7	123.7	40.3
Maine	130.2	23.7	101.7	‡
Maryland	§	25.9	§	34.0
Massachusetts	138.9	26.0	95.2	26.3
Michigan	129.9	24.6	119.0	35.0
Minnesota	§	24.1	§	26.1
Mississippi†	105.0	24.1	102.7	36.3
Missouri	125.0	25.7	117.2	36.5

†All deaths were reported to the state health department. ‡No data available. §Data not reported.