

## Homework 2 web problem – winter 2017

### Obesity and Diabetes in the USA

Go to <http://www.cdc.gov/diabetes/atlas/obesityrisk/atlas.html> This is a CDC website loaded with U.S. health data for easy visualization.

With the timeline set at 2014, examine the scatterplot of diagnosed diabetes rate as a function of obesity rate among adults in each of the 50 U.S. states.

- What are the percent diagnosed with diabetes and percent obese among adults in the state of California? (Hover over the circles to see the corresponding data)
- Ignoring the size of the circles (they are meant to show that some states have a larger population than others), describe the form, direction and strength of the relationship as it appears on the graph.

Now press the play button on the timeline at the top and watch the scatterplot change over time.

- In what way is the relationship between diabetes and obesity similar over the years? Be specific.
- In what way has the relationship between diabetes and obesity changed over the years? Be specific.

*[If you are interested, notice the “Download Data” link. You can reproduce a year’s scatterplot (with circles all the same size) from the data in the “Diagnosed Diabetes Prevalence State Estimates” file.]*

