Instructions: Do the reading, then go through the questions, think about them, referring back to the reading when necessary, and write short answers (ranging between 1-2 sentences and couple paragraphs) for each. (If you feel you addressed one question in an answer to another, feel free just to refer to that.) Turn in your answers on the day the reading is due. You may discuss these questions with others but all answers should be written in your words (though you may use occasional quotes).

To be turned in:

1. What are your overall thoughts on Chapter 2?

2. Can you think of a curve that is not straight locally?

3. Can you think of reasons why $1 - 1 + 1 - 1 + \cdots$ should or should not be defined?

4. What are your overall thoughts on Chapter 3?

5. If you fit the data depicted in the final graph of Chapter 3 comparing black men to everybody with curved lines, is there still a contradiction?

6. Critique the following figure from the *Obesity* paper referred to in Chapter 3. Can you give better predictions based on the observations?
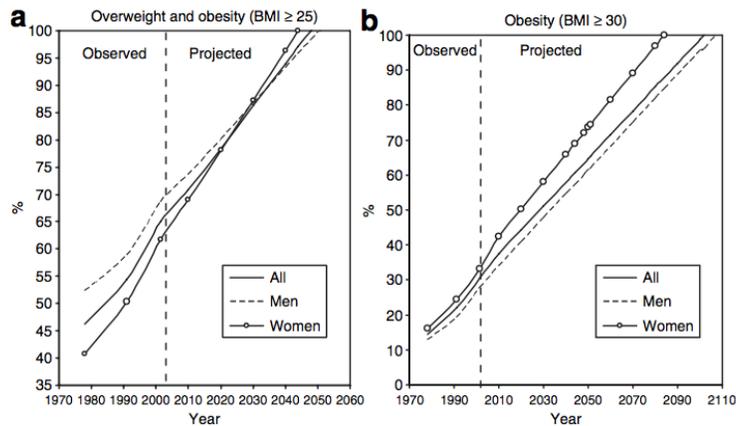

Figure 1 Prevalence of obesity and overweight among US adults: Observed during 1976–2004 and projected. The projected prevalence presented here are those based on our linear regression models.