

LAB 4A: If the line fits...
Response Sheet

Directions: Record your responses to the lab questions in the spaces provided.

How to make predictions

Predicting heights

- If you had to predict the height of someone in the Los Angeles area, what single height would you choose and why?

- Would you describe this as a *good* guess? What might you try to improve your predictions?

Predicting heights knowing arm spans

- Answer the following based on the data:
 - What height would you predict if you knew a person had an armspan around 62 inches?

 - What height would you predict if you knew a person had an armspan around 65 inches?

 - Does knowing someone's armspan help you predict their height? Why or why not?

Fitting lines

get.line()

Predicting with lines

- Draw a line that you think is a good fit and write down its equation. Using this equation:
 - Predict how tall a person with a 62-inch armspan and a person with a 65-inch armspan would be.

 - How tall would you predict a person who is 63.5-inch armspan to be?

- Compare your answers with a neighbor. Did both of you come up with the same equation for a line? If not, can you tell which line fits the data best?