**Quiz #5**

A diagram of a body mass

AI-generated content may be incorrect.

The figure above displays body size data for Adélie penguins. Use it to answer the following questions.

1. Write the statistical notation for a linear regression model using these data.
2. Draw a line through the data that you think approximates the best fit line
3. Using the line you drew, estimate values for the coefficients from question 1
4. How would you estimate σ?