

The average time Americans spend watching television has increased approximately linearly from 30.9 hours per week in 2002 to 31.7 hours per week in 2004. Let A be the average time (in hours per week) Americans spend watching television in the year this is t years since 2000.

a) Clearly define your variables and identify the independent and dependent variables.

b) Find the equation of a linear model to describe the data.

c) What is the slope? What does it mean in this situation?

d) What is the A -intercept as an ordered pair? What does it mean in this situation?