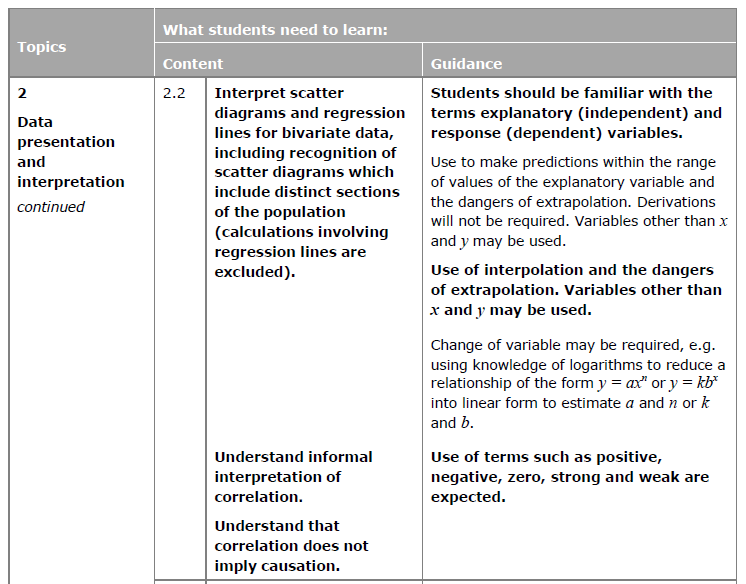
A Level Mathematics

Chapter 4 - Statistics

Correlation

Chapter Overview

1. Draw and interpret scatter diagrams
2. Interpret correlation
3. Interpret the coefficients of a regression line equation for bivariate data
4. Understand when you can use a regression line to make predications

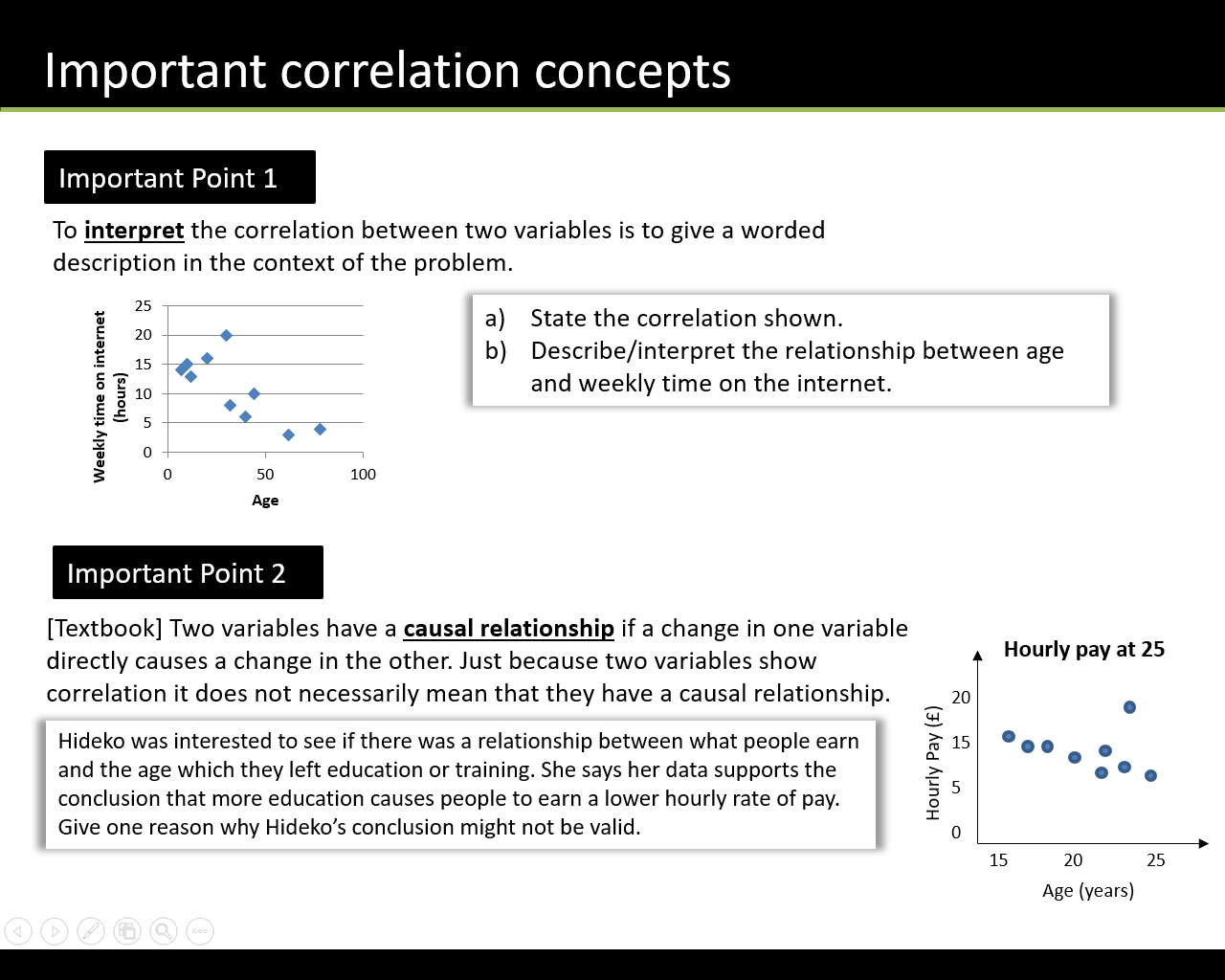


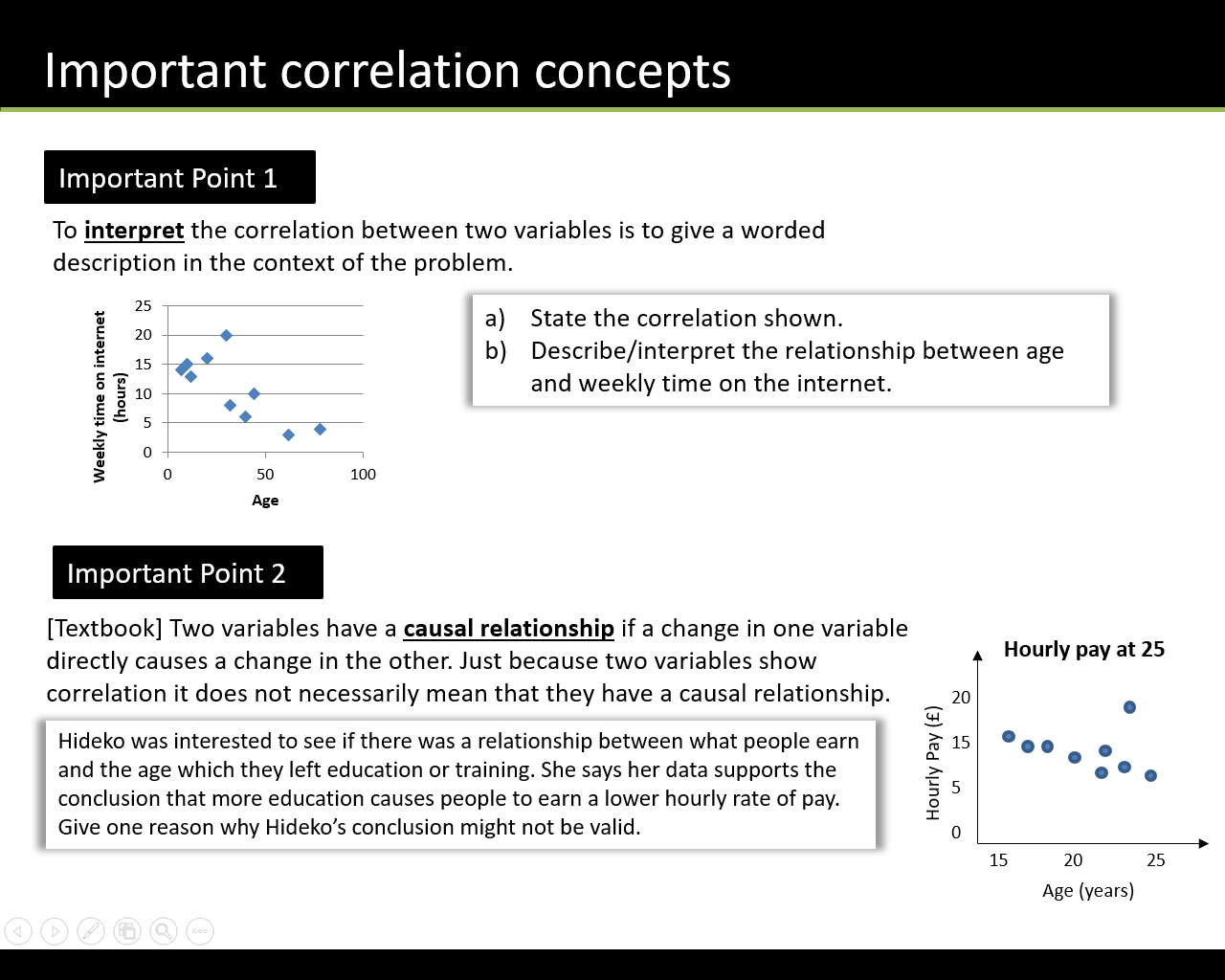
**Recap on Correlation**

c

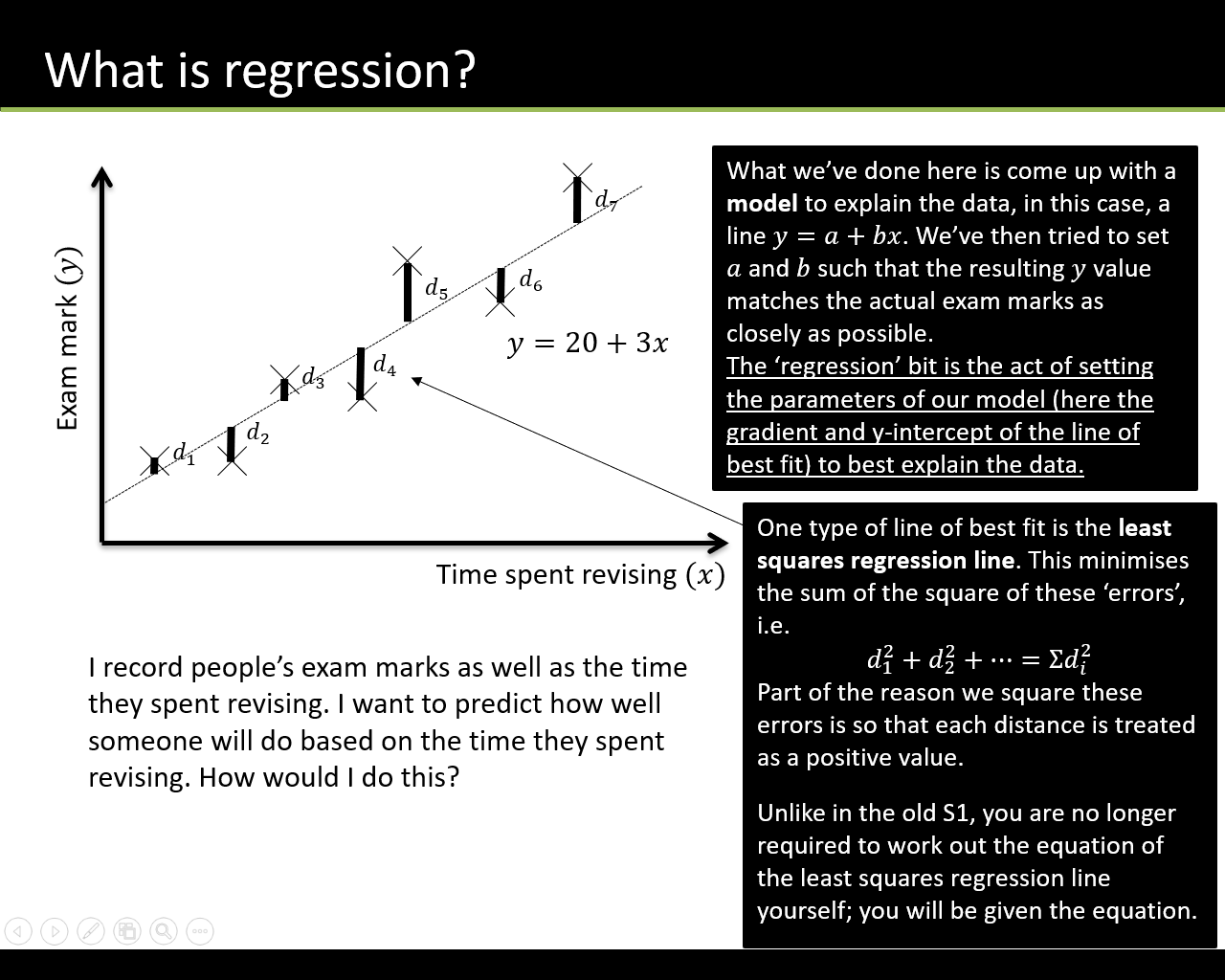
c

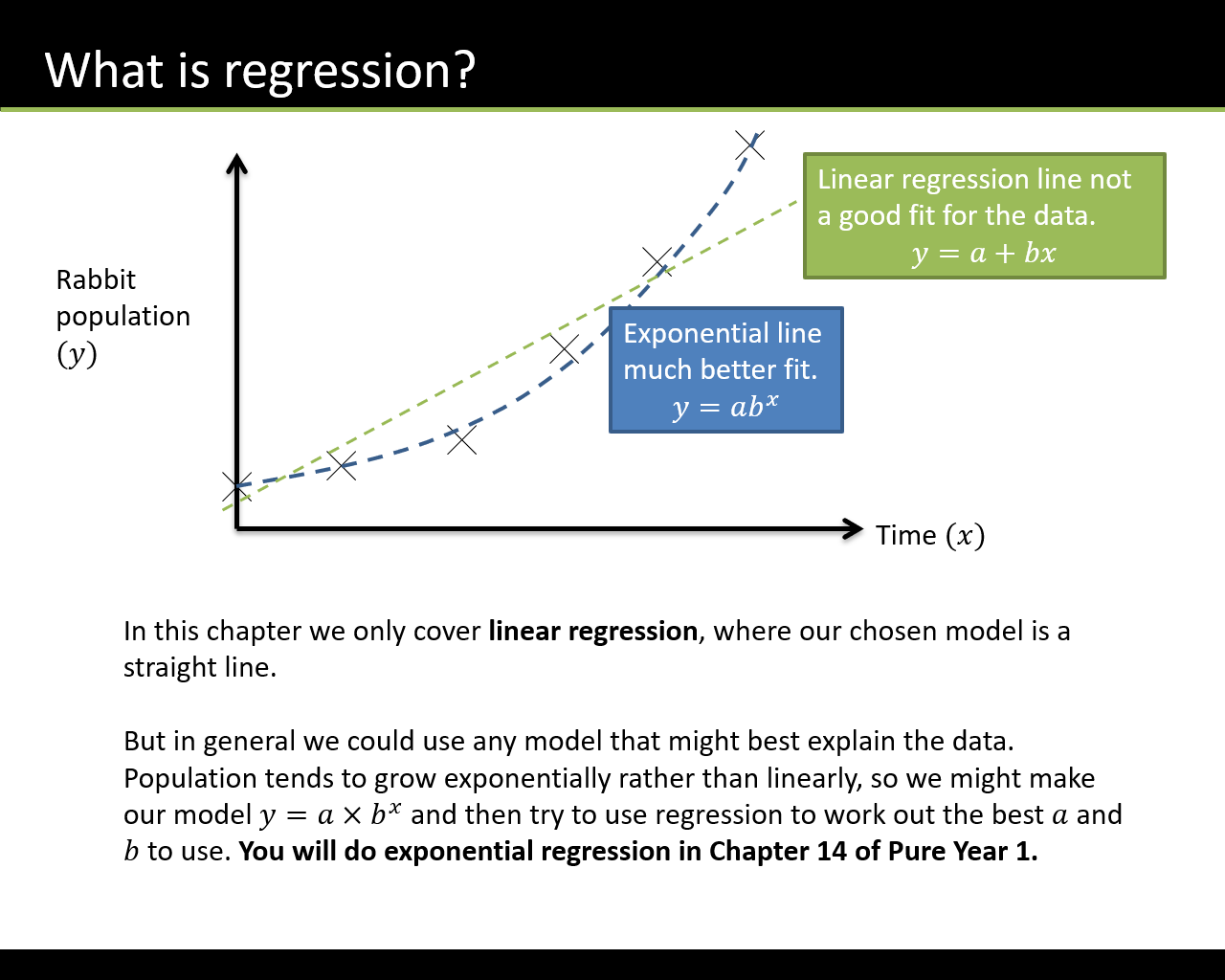
**Important Correlation Concepts**

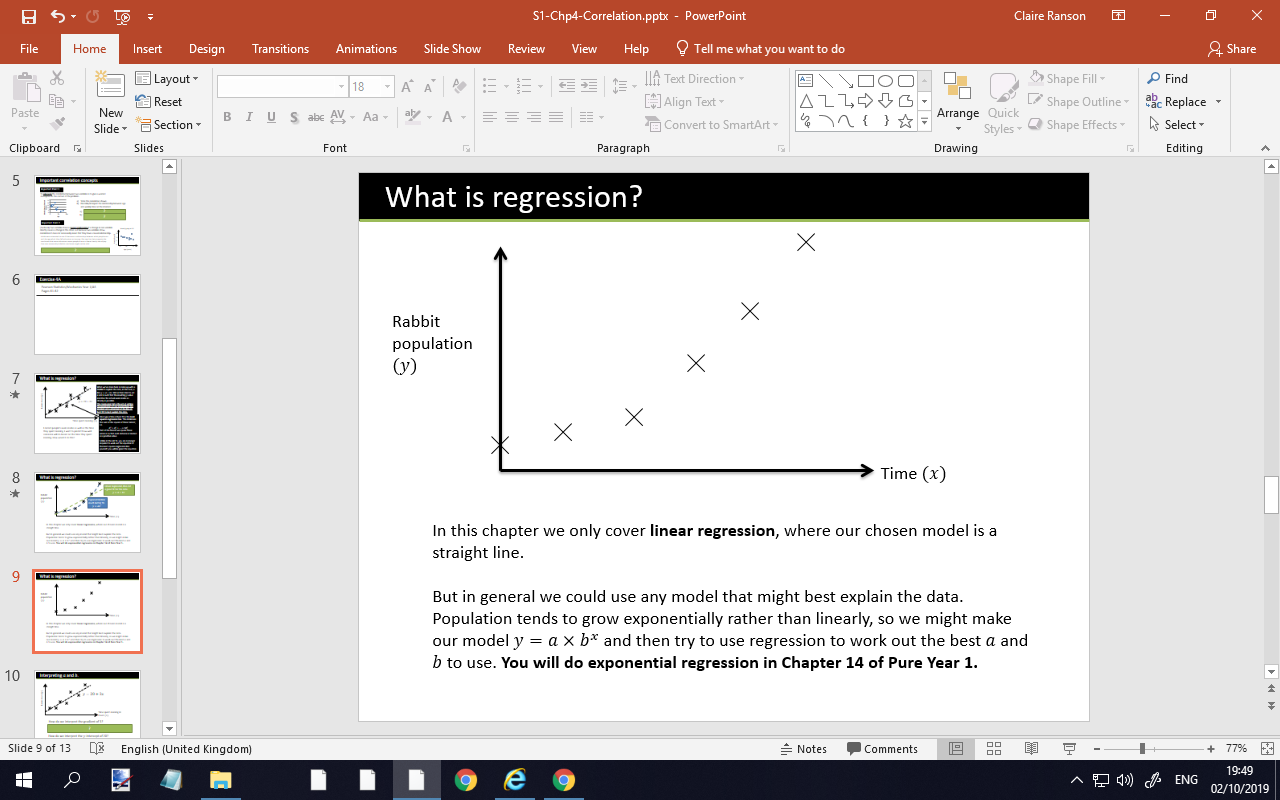




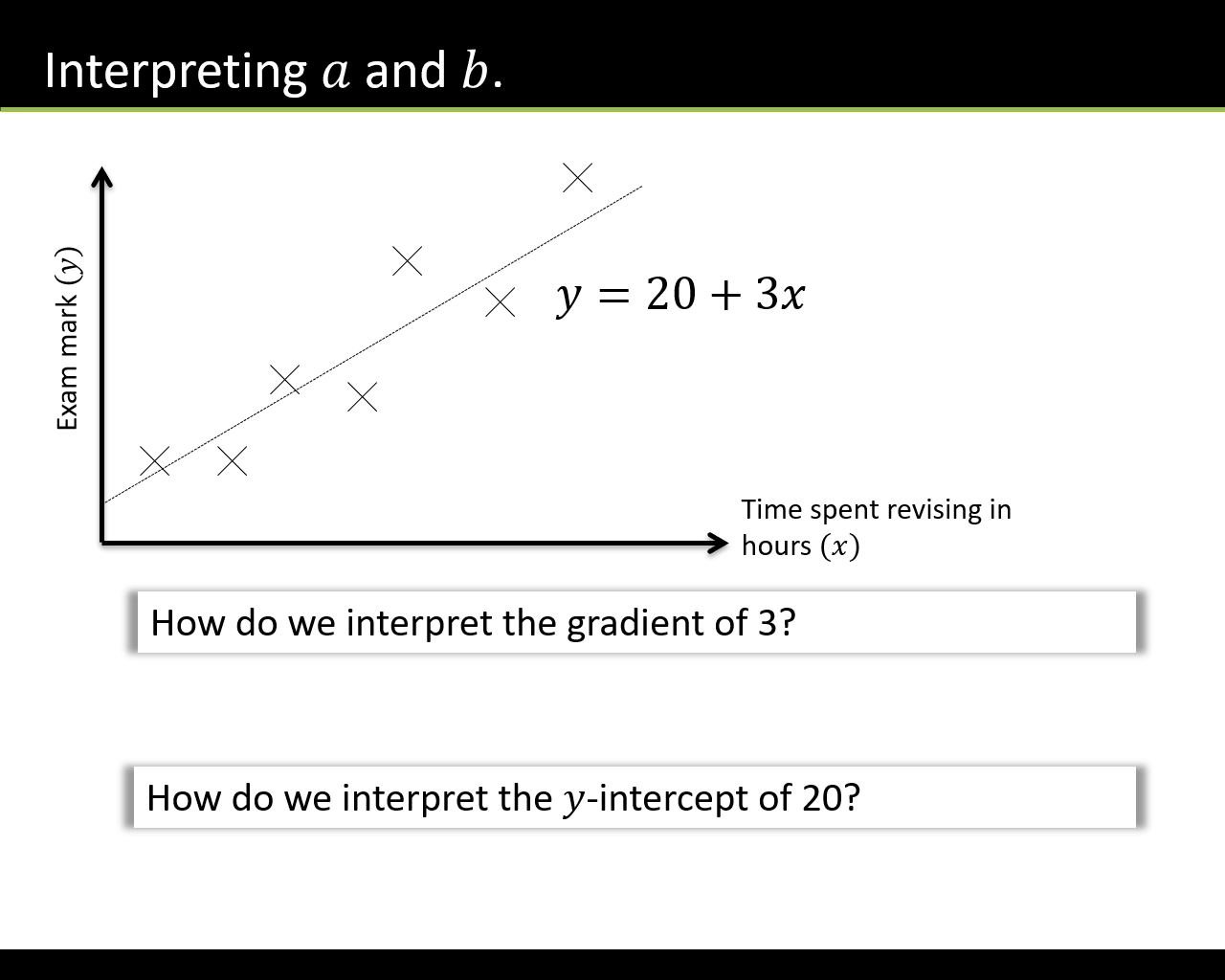
Textbook Exercise 4A Pg 61

**What is Regression?**

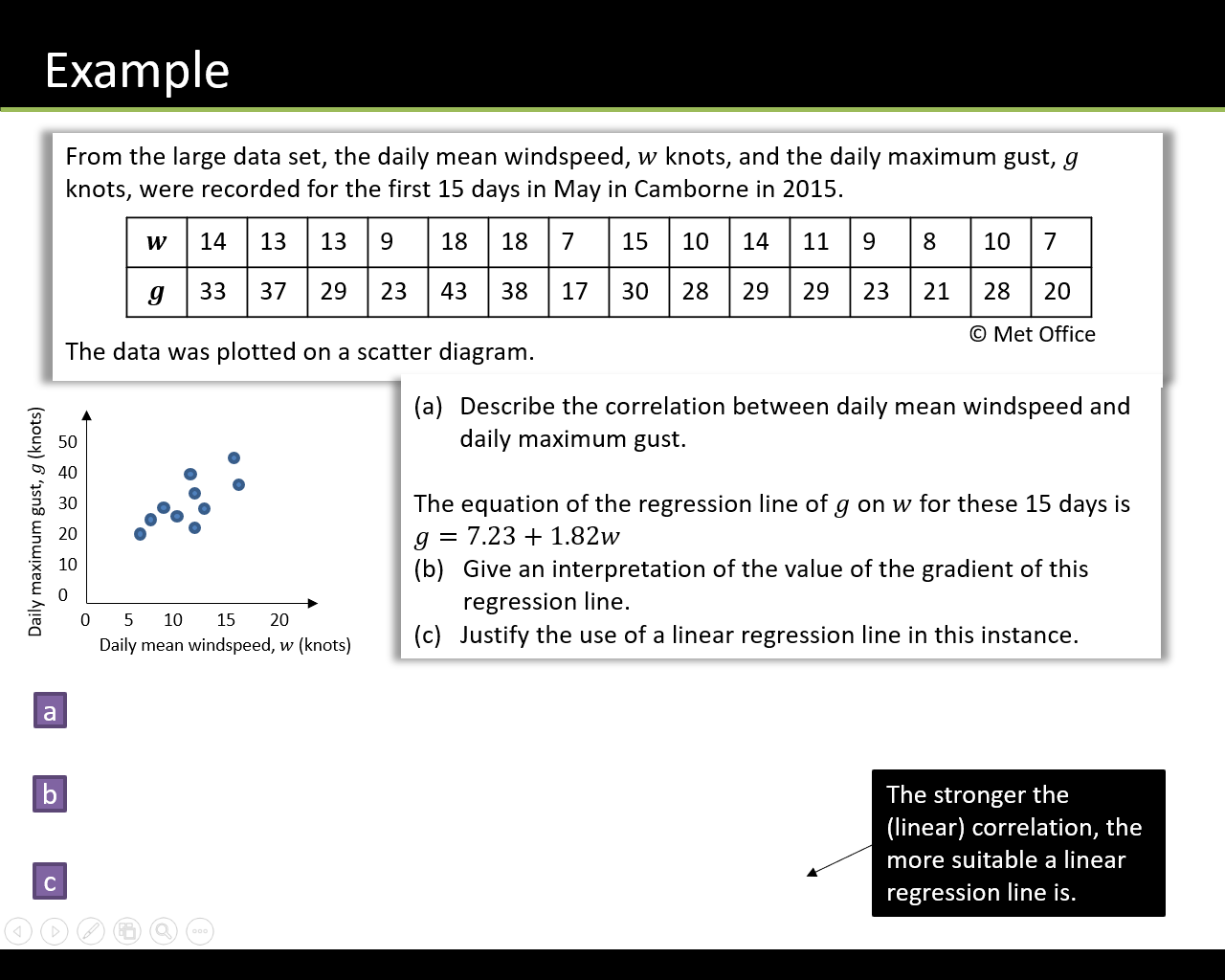




**Interpreting a and b.**



Example



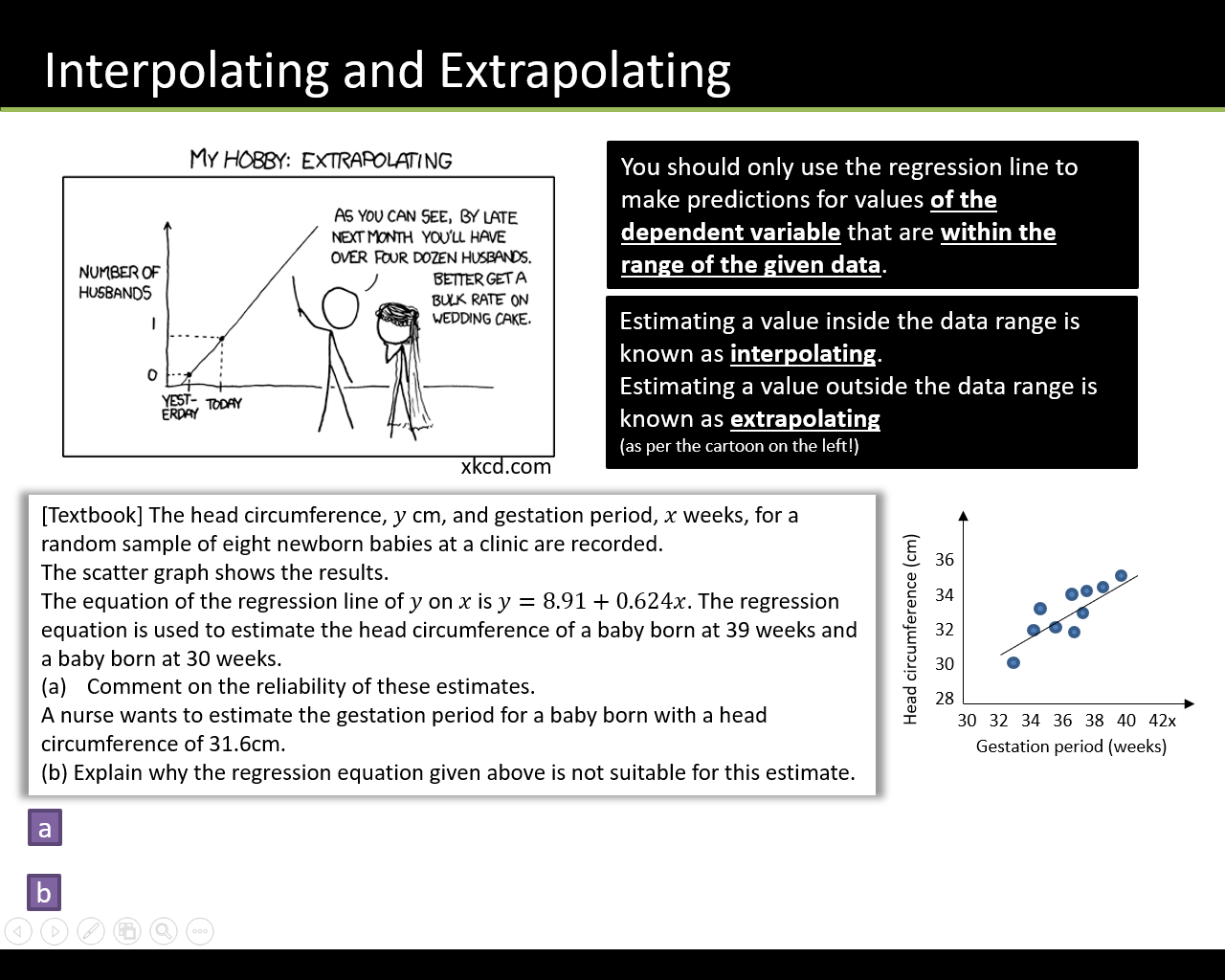
Interpolating and Extrapolating

C

Interpolating =

Extrapolating =

Example



Textbook Exercise 4B Pg 65

Using your Classwiz

Verify the regression line of g on w for the data above has the equation g=7.23 + 1.82w.

