

More on why we do Longitudinal Studies

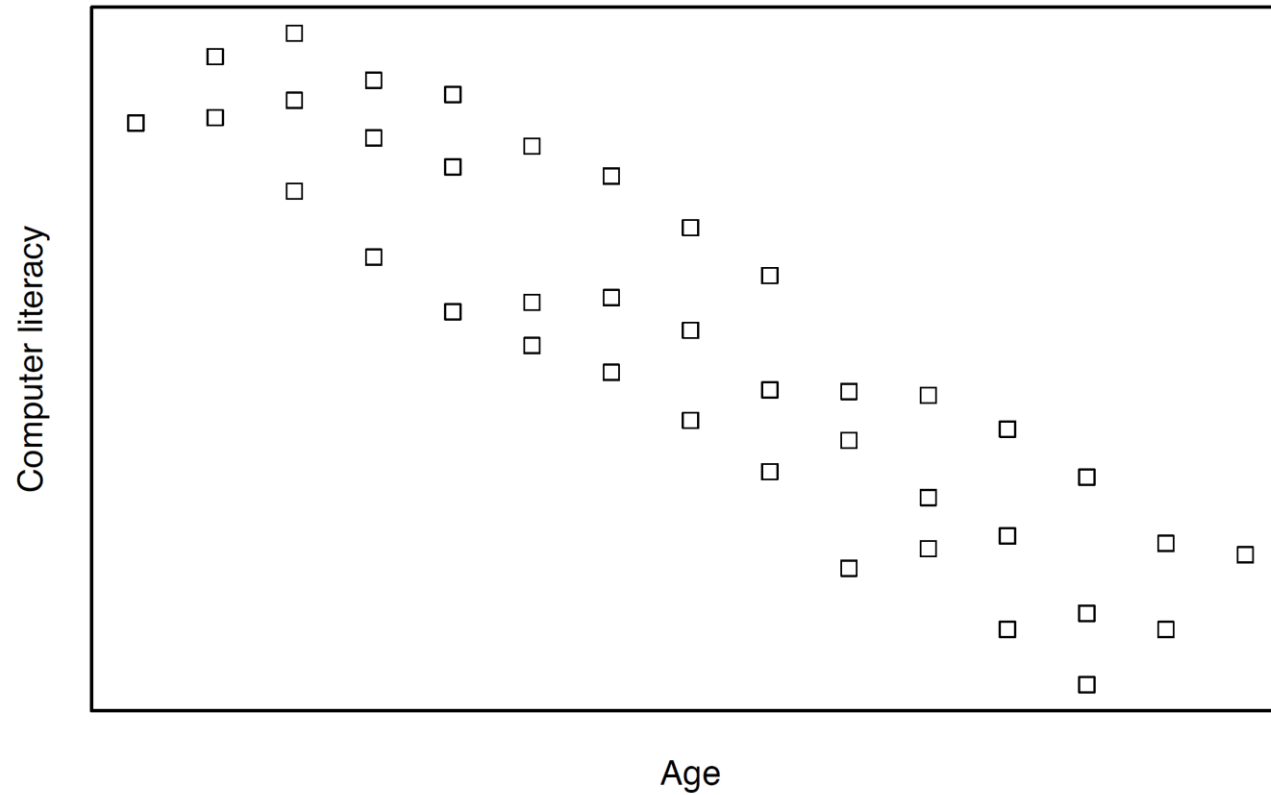
Computer Literacy Example

A hypothetical study made up by Adam Szpiro:

- Objective: assess association between age and computer literacy
- Study:
 - 13 Subjects enrolled in 3 year observational study
 - Computer literacy (somehow) assessed at baseline and annual follow-up visits

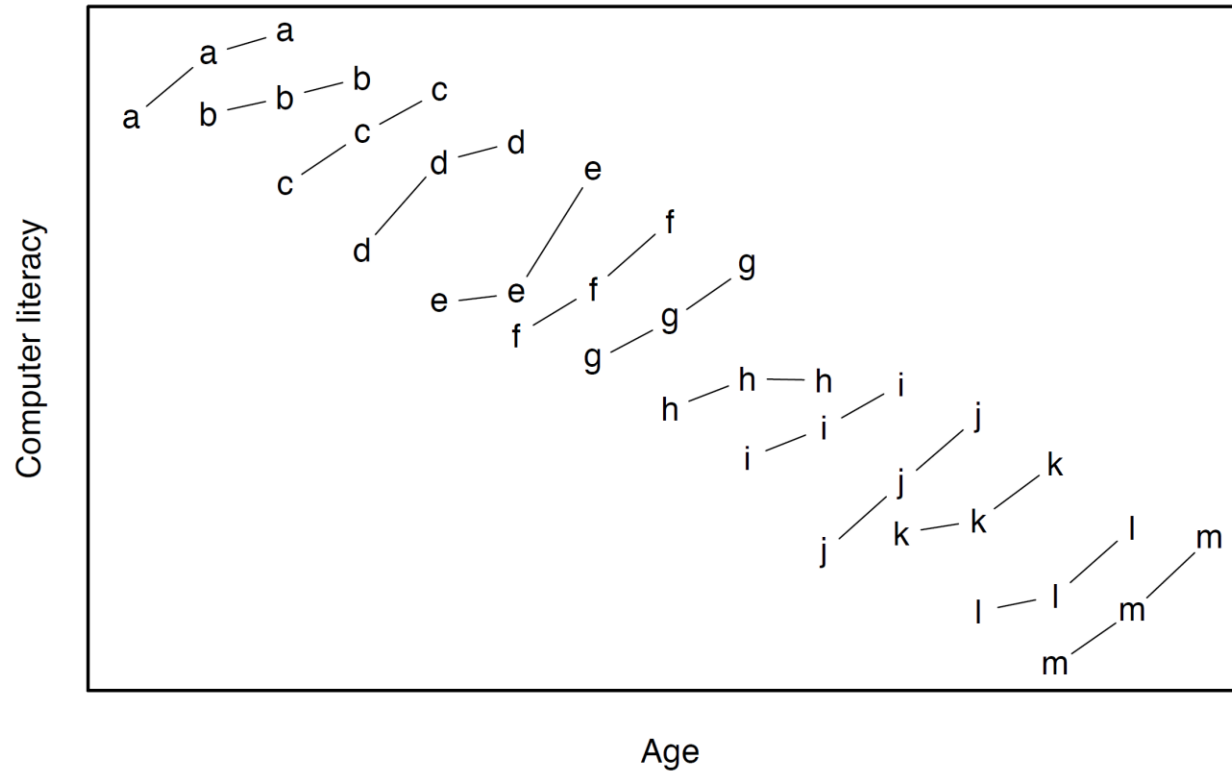
Study Results

How is age associated with computer literacy?



Study Results With subject Labels

How is age associated with computer literacy?



Interpretations

1. Computer literacy improves as one gets older
 2. Older people have lower literacy
- Essentially: Cohort effect
 - Differences between people due to cohort (in this case birth year)