- Step 1: The initial variable is correlated with the outcome.
 - X is the predictor and Y the outcome variable (path c).
- Step 2: Show that the initial variable is correlated with the mediator.
- X is the predictor and M is the outcome variable in the regression equation (path a).
- Step 3: Show that the mediator affects the outcome variable.
 - X and M are both predictors and Y is the outcome variable (path b).
- X (and not just M) is included so that the initial variable could be controlled in establishing the effect of the mediator on the outcome.

Step 4: After introducing M the effect of X on Y controlling for M (path c') should be zero.

Mediation in R

- Imagine we are interested in whether the number of hours since dawn (X) affects the subjective ratings of wakefulness (Y) of 100 graduate students through the consumption of coffee (M).
- The datafile is called Meddata