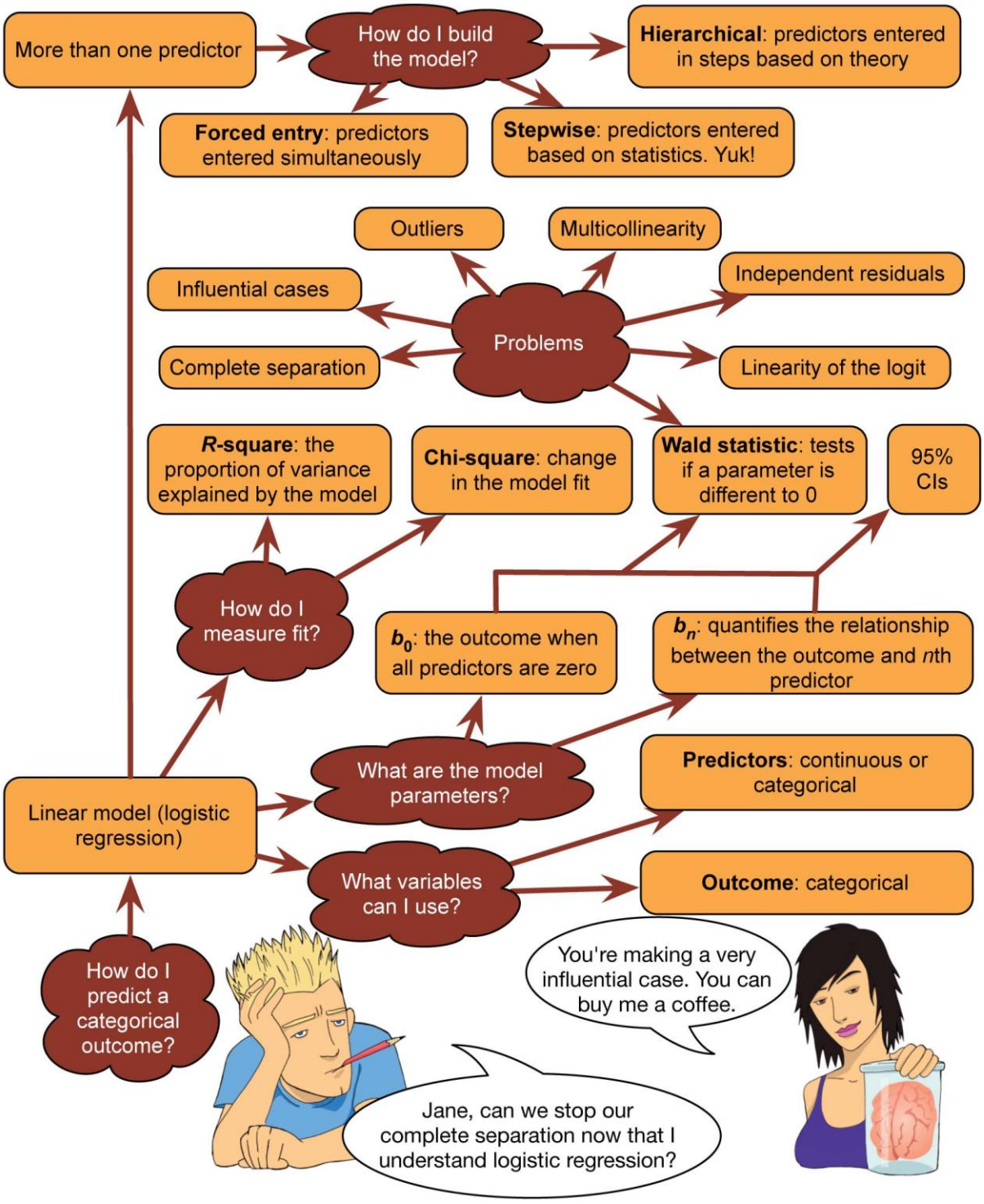
More than one predictor
How do I build the model?
Hierarchical: predictors entered in steps based on theory
Forced entry: predictors entered simultaneously
Stepwise: predictors entered based on statistics. Yuk!
Outliers
Multicollinearity
Influential cases
Independent residuals
Problems
Complete separation
Linearity of the logit
***R*-square**: the proportion of variance explained by the model
Chi-square: change in the model fit
Wald statistic: tests if a parameter is different to 0
95% CIs
How do I measure fit?
b_0: the outcome when all predictors are zero
b_n: quantifies the relationship between the outcome and *n*th predictor
What are the model parameters?
Predictors: continuous or categorical
Linear model (logistic regression)
What variables can I use?
Outcome: categorical
How do I predict a categorical outcome?
You're making a very influential case. You can buy me a coffee.
Jane, can we stop our complete separation now that I understand logistic regression?