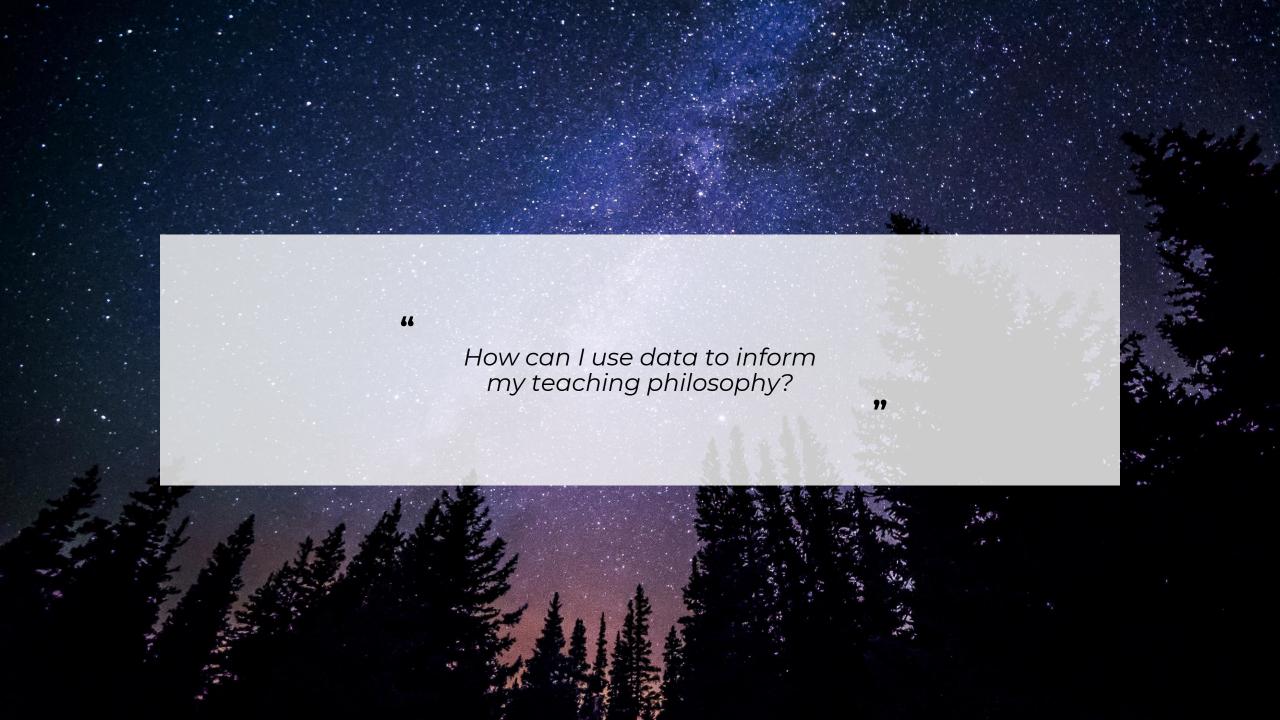
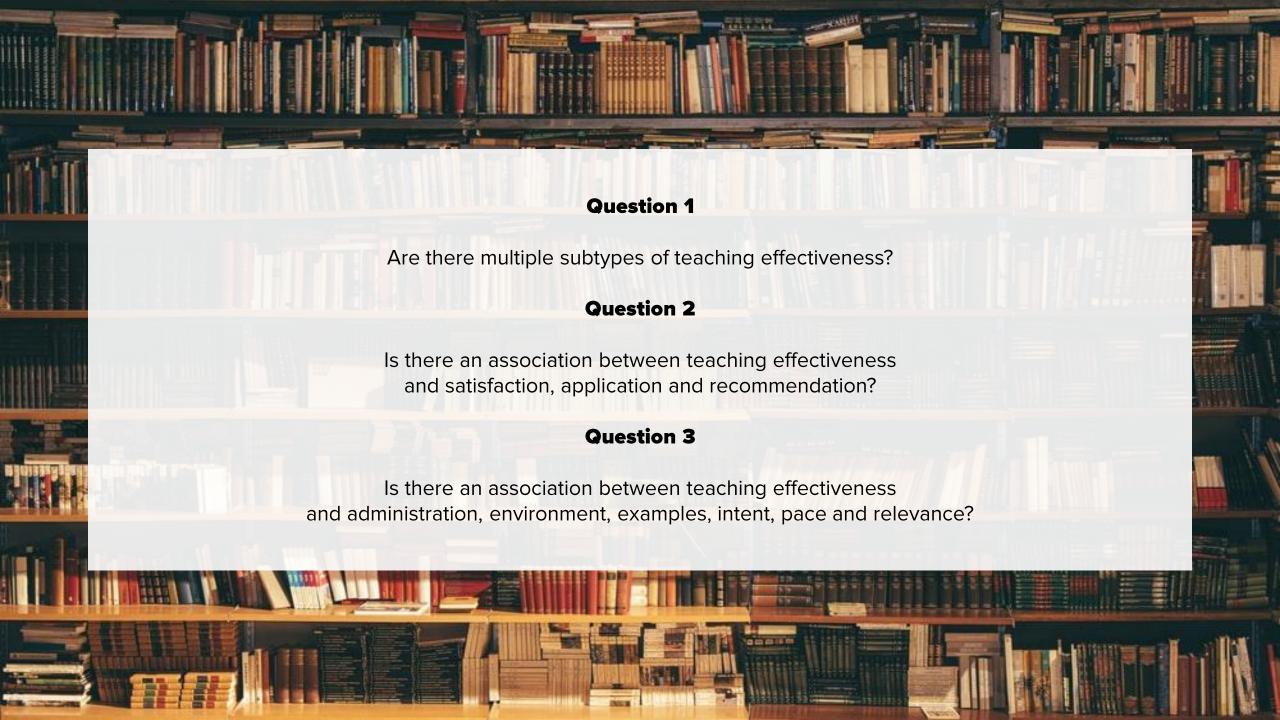
Towards a Data-Driven Teaching Philosophy

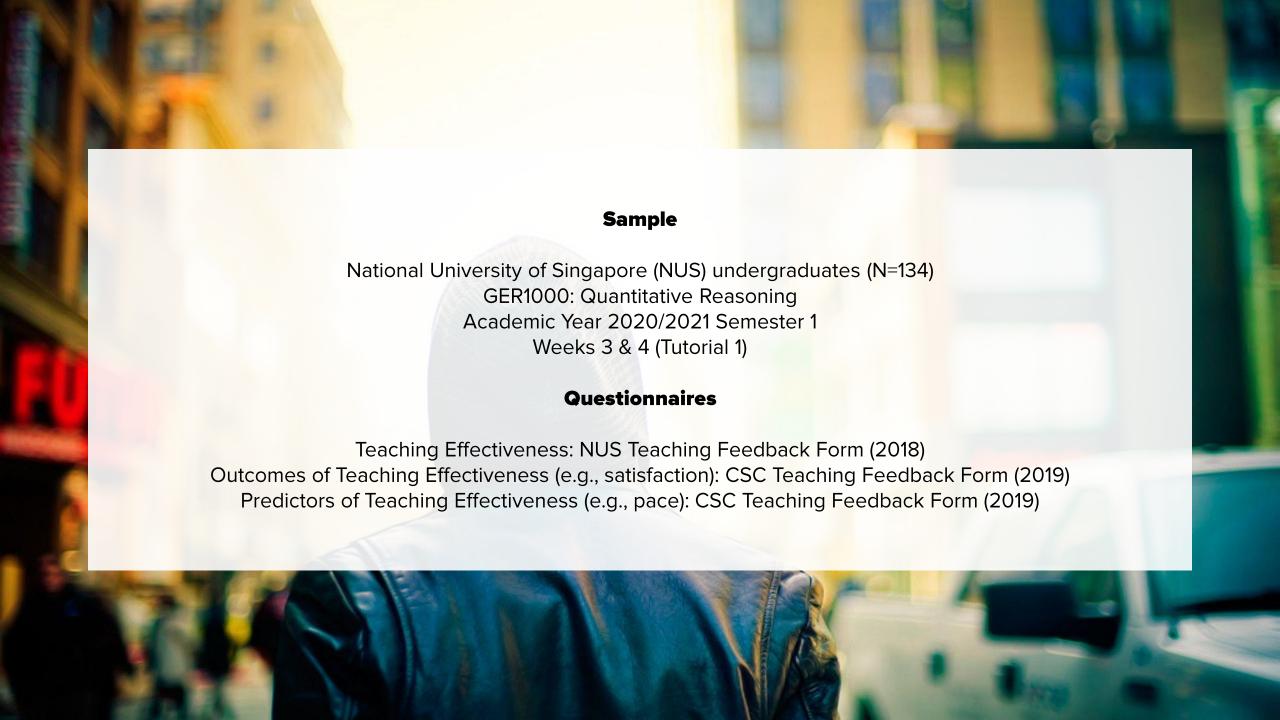
Lam Fu Yuan, Kevin

Office of the Senior Deputy President and Provost

National University of Singapore







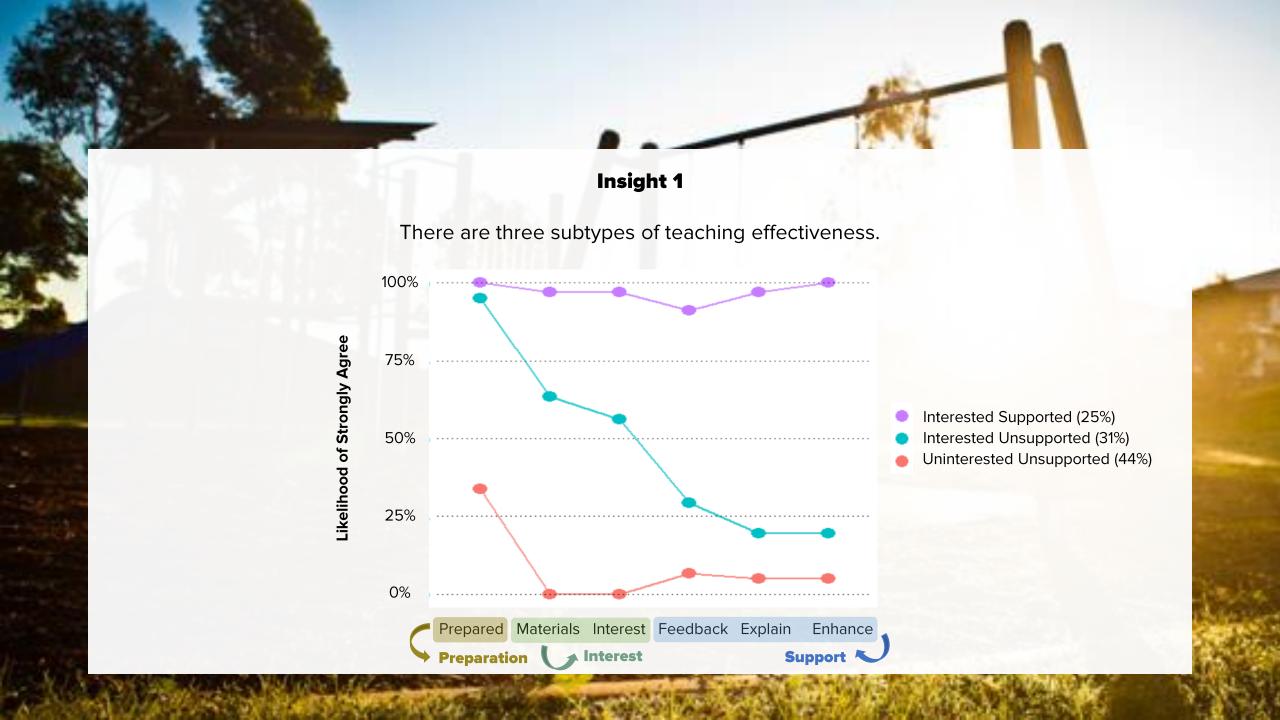


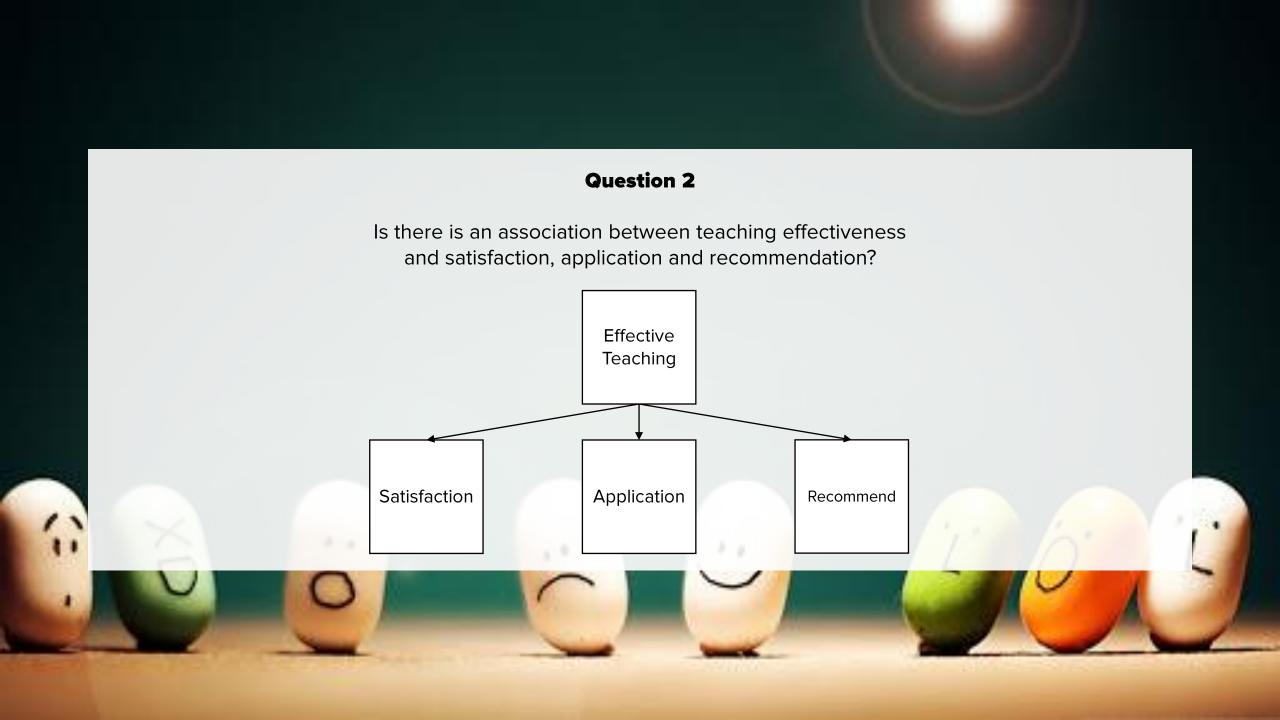
Question 1

Are there multiple subtypes of teaching effectiveness?

Prepared	The teacher was well-prepared.	
Materials	The teacher provided me with sufficient and interesting materials for me to learn the subject.	
Interest	The teacher increased my interest in the subject.	
Feedback	The teacher provided timely and useful feedback.	
Explain	The teacher was able to explain difficult materials clearly.	
Enhance	The teacher has enhanced my thinking ability.	

"The degree to which a teacher **prepares** such that students become more **willing** and **able** to learn the subject."





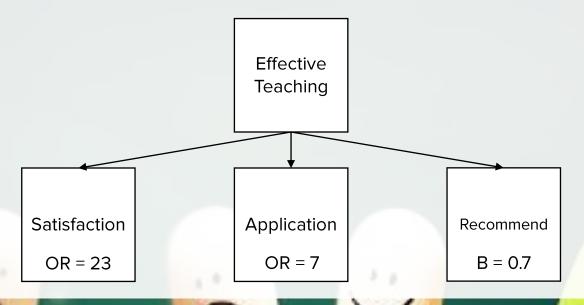


Is there is an association between teaching effectiveness and satisfaction, application and recommendation?

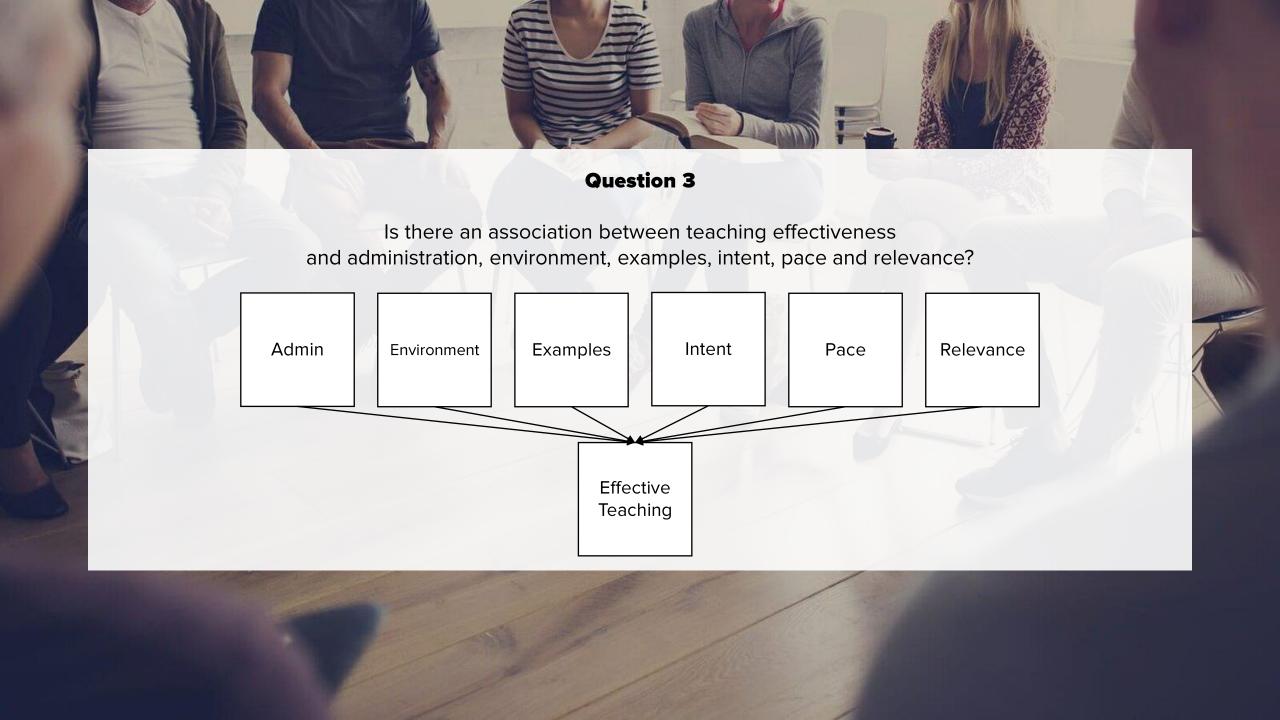
Satisfaction	On the whole, I am satisfied with the lesson.
Application	I am willing to apply what I learnt.
Recommendation	How likely are you to recommend this tutorial to a friend?

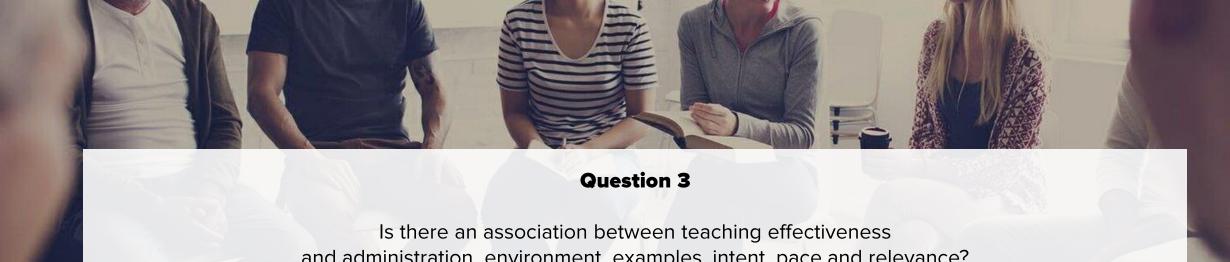
Insight 2

There is an association between teaching effectiveness and satisfaction, application and recommendation.



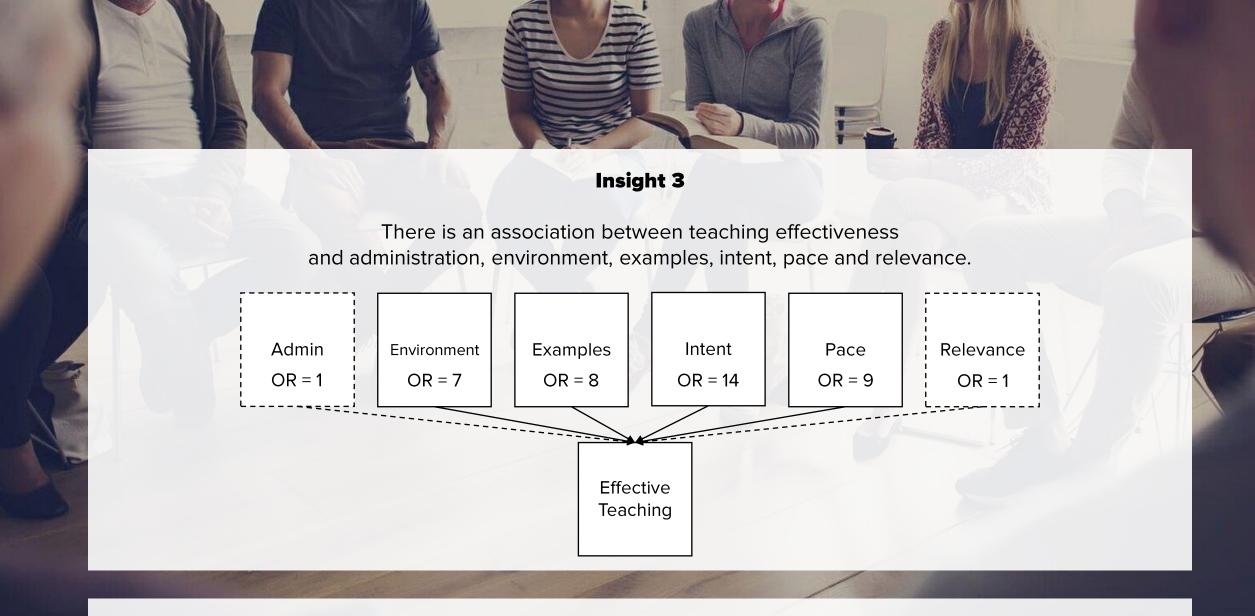
Note. Odds Ratios (OR) and Regression Coefficients (B) indicate comparisons between interested-supported and interested-unsupported subtypes.





and administration, environment, examples, intent, pace and relevance?

Administration	I am satisfied with the tutorial administration and logistical support.
Environment	The tutorial environment was conducive for learning.
Examples	My learning was enhanced by the tutor's ability to explain concepts and give practical examples.
Intent	The learning outcomes of the tutorial were met.
Pace	I was comfortable with the pace of the tutorial.
Relevance	I acquired knowledge, skills or insights useful to me or my major.



Note. Odds Ratios (OR) indicate comparisons between interested-supported and interested-unsupported subtypes.

Insight 1

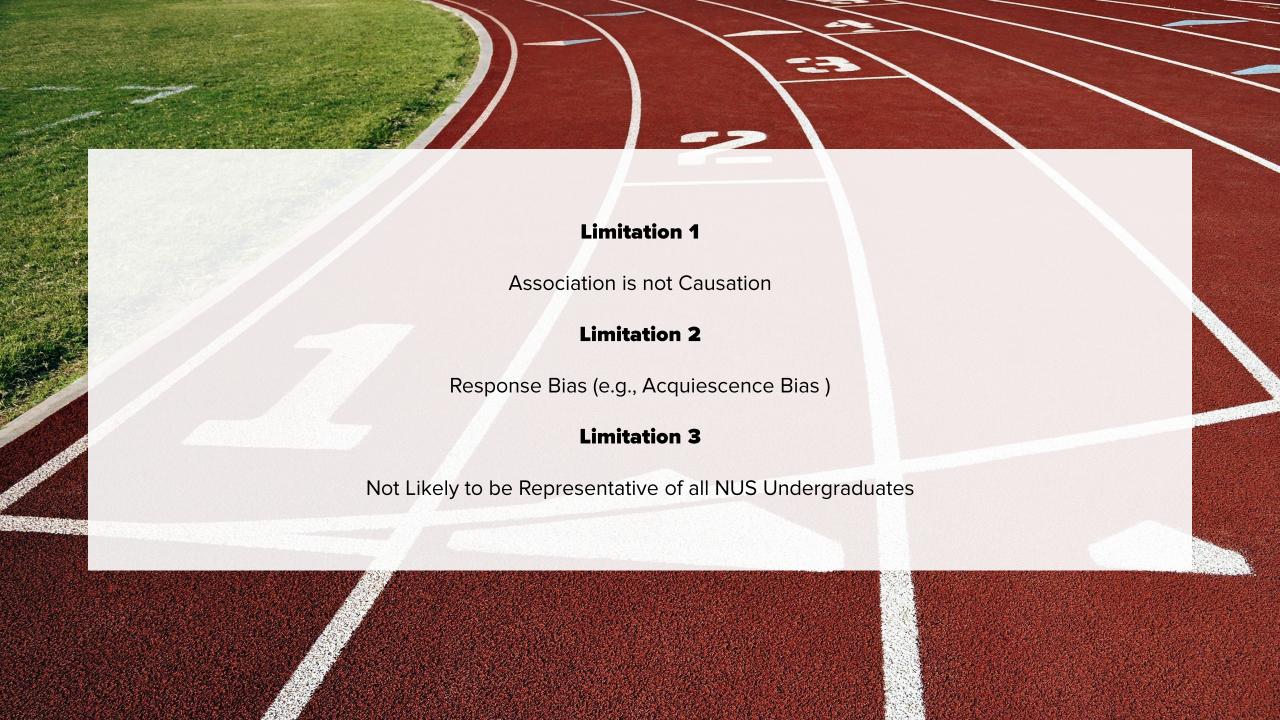
There are three subtypes of teaching effectiveness.

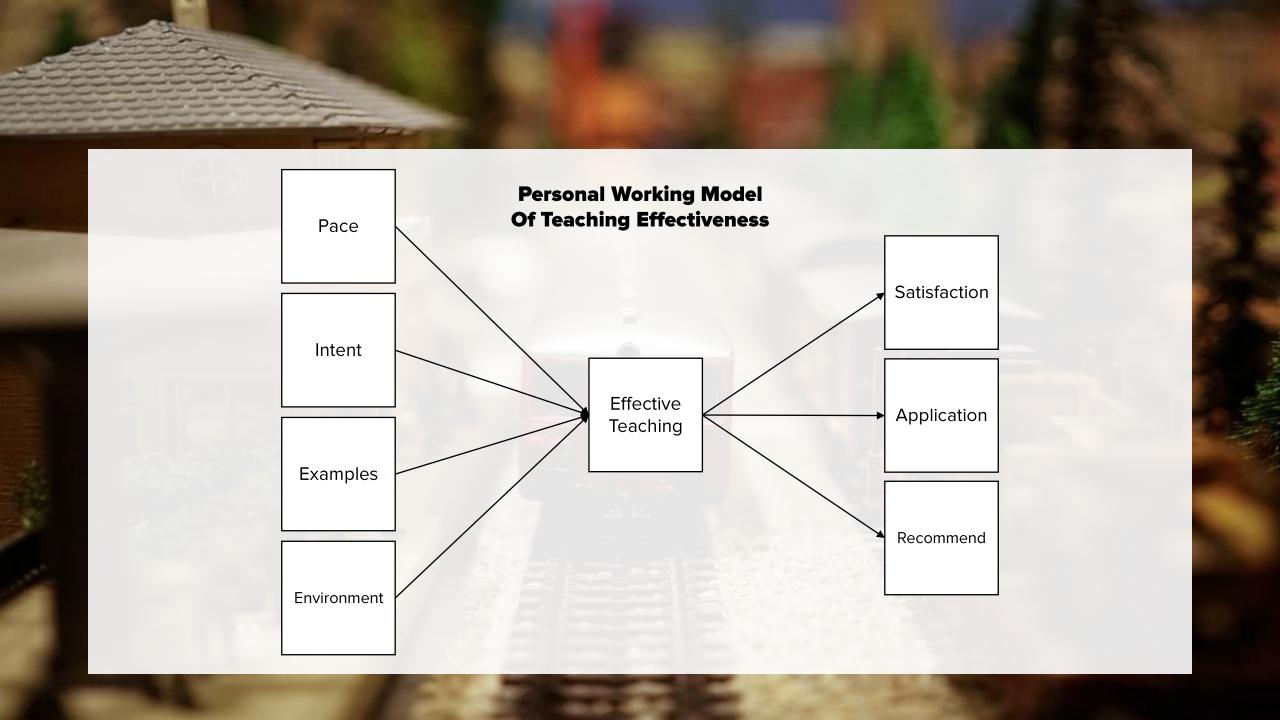
Insight 2

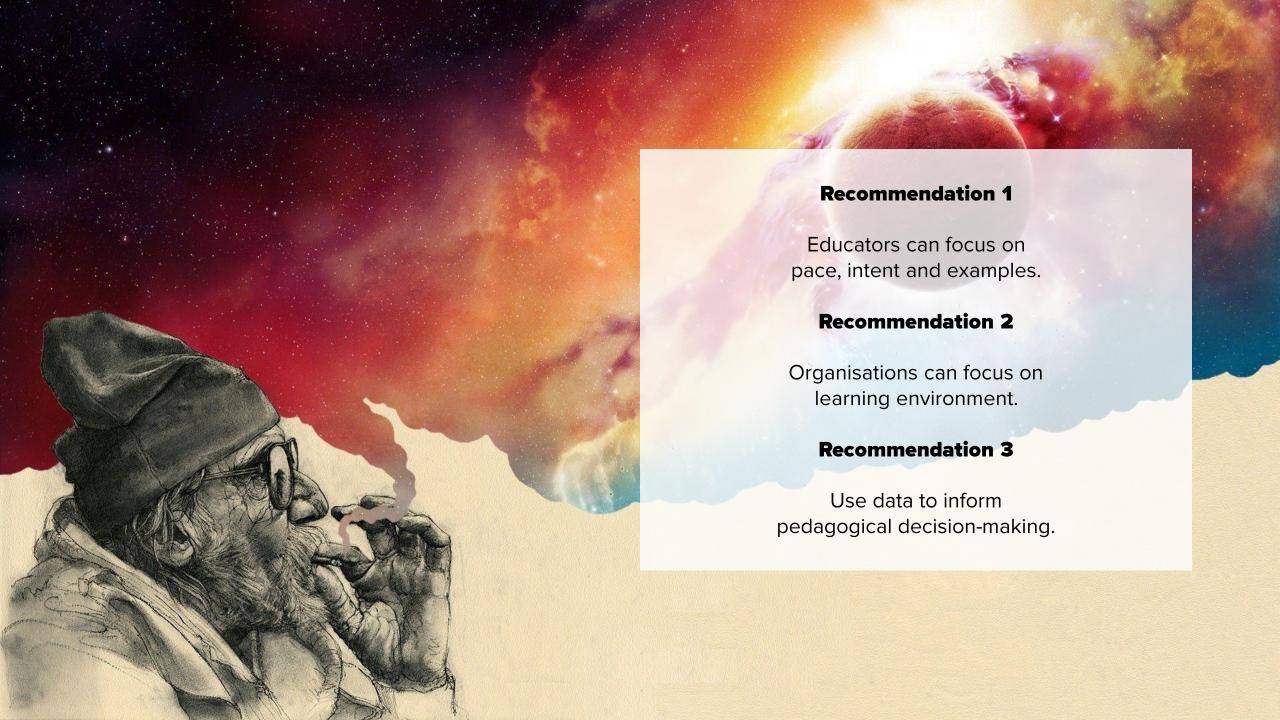
There is an association between teaching effectiveness and satisfaction, application and recommendation.

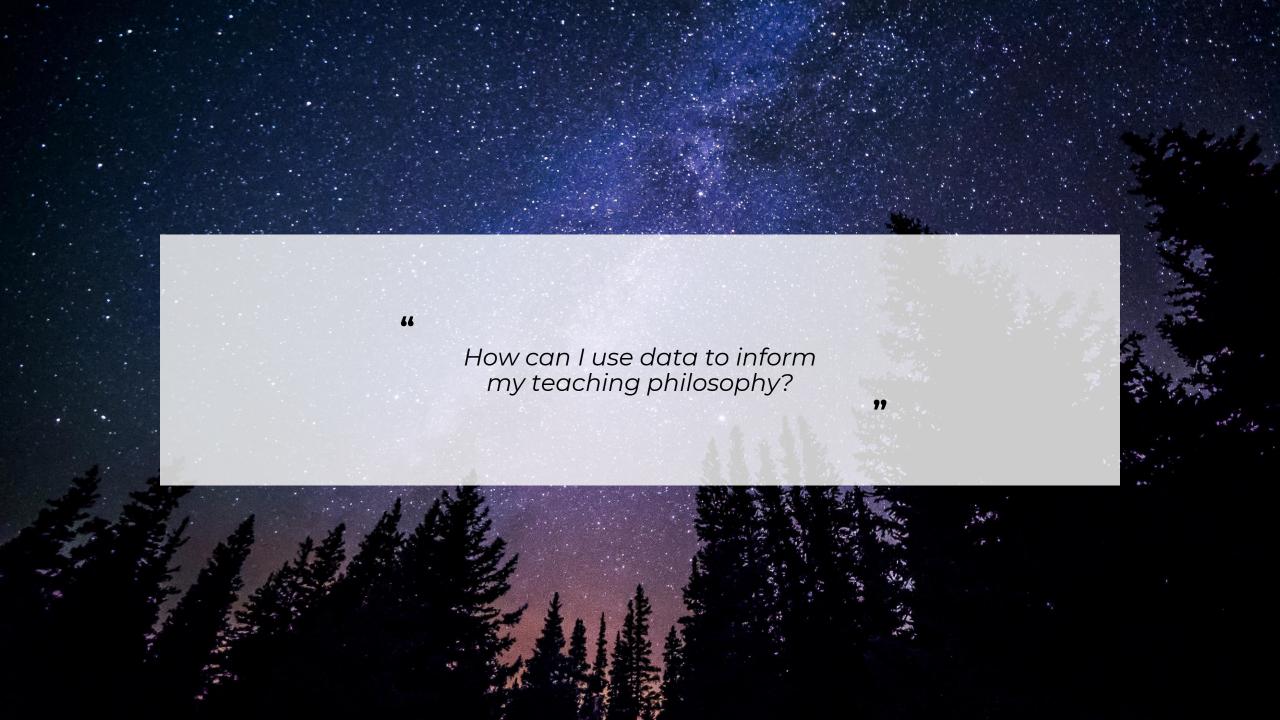
Insight 3

There is an association between teaching effectiveness and environment, examples, intent and pace, but neither admin nor relevance.









Towards a Data-Driven **Teaching Philosophy** Thank You