

Mechanisms of Brain Development 3 (MBD3)

Peter Kind

What can we do to improve student learning, engagement and attainment?
An Experiment?

A study exploring the impact of lecture capture availability and lecture capture usage on student attendance and attainment

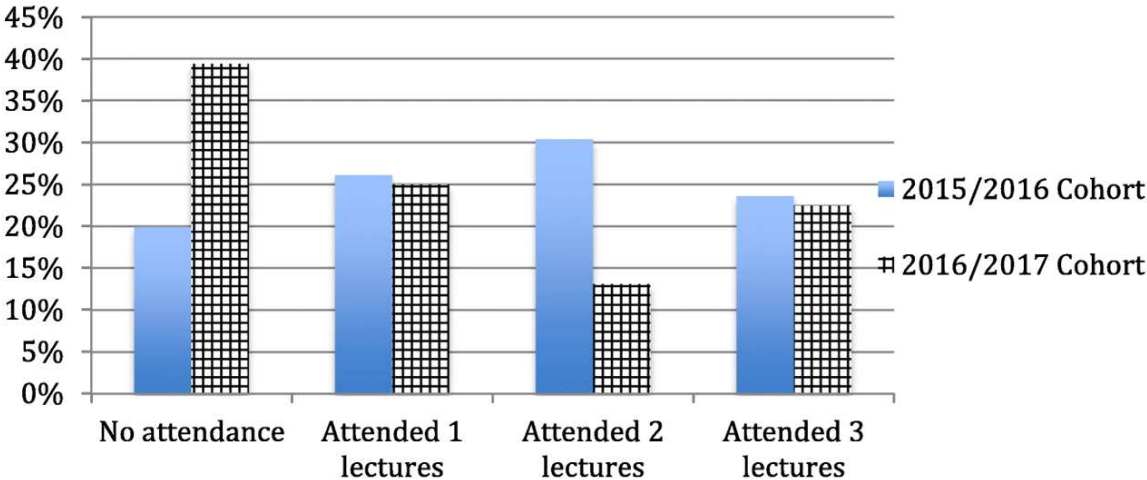
Authors

[Authors and affiliations](#)

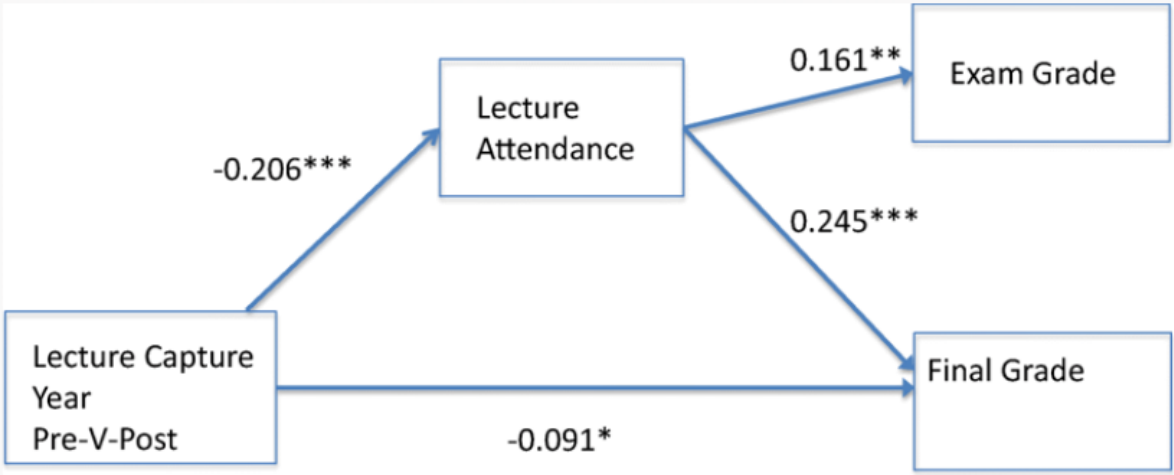
Martin R. Edwards , Michael E. Clinton

- *Hypothesis 1: The availability of lecture capture has a negative relationship with student lecture attendance.* Yes
- *Hypothesis 2: Lecture capture usage has a positive relationship with lecture attendance.* No
- *Hypothesis 3: (a) Lecture attendance has a positive relationship with student attainment (when controlling for general academic ability).* Yes
- *Hypothesis 3: (b) The availability of lecture capture has a negative relationship with student attainment (c) that is mediated by lower student lecture attendance (when controlling for general academic ability).* Yes
- *Hypothesis 4: (a) Lecture capture usage has a positive correlation with student attainment, (b) which becomes non-significant when controlling for attendance and general academic ability.* No/Yes
- *Hypothesis 5: The relationship between lecture attendance and attainment is moderated by greater use of lecture capture, such that the deficit in student attainment associated with low attendance is compensated for by a greater use of lecture capture.* No

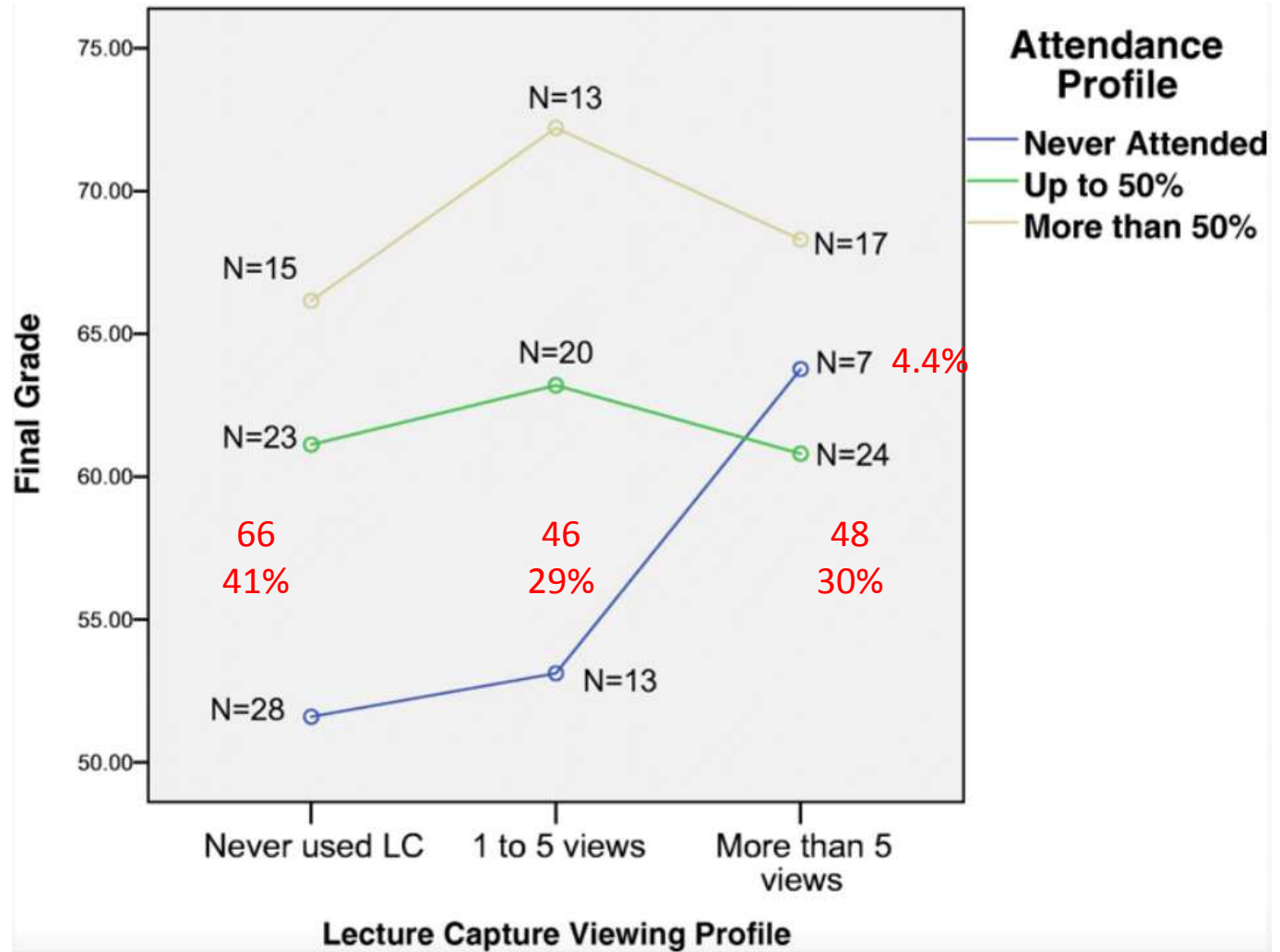
Attendance



Correlations



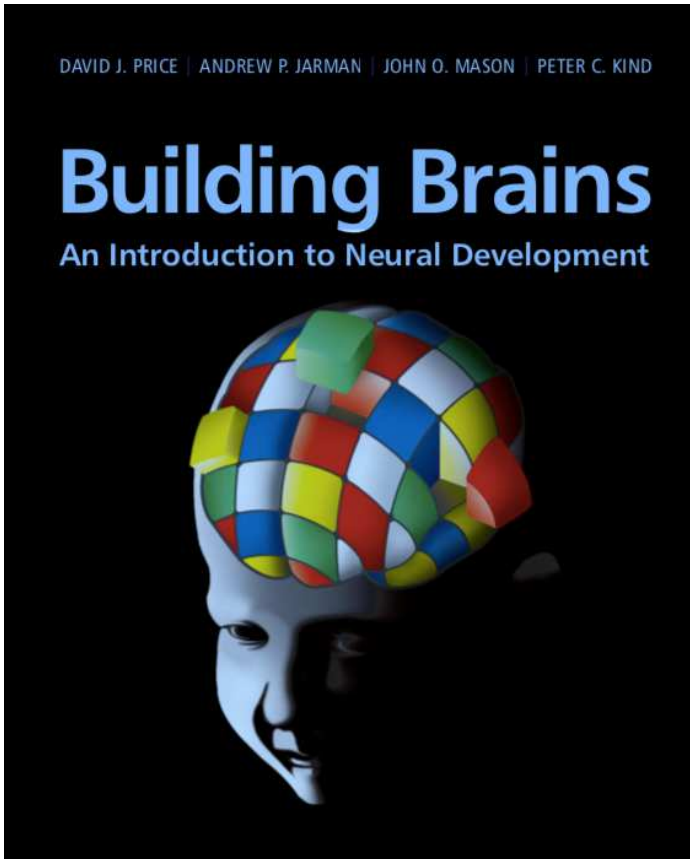
Types of Usage



MBD3 2019/20 – Trying different teaching methods

WEEK 1	Tues	17 Sept	10:00 – 10:50 11:10 –12:00	Introduction to Course Anatomy of the developing nervous system	Dr Thomas Theil	Not Recorded Not Recorded
	Tues	17 Sept		Essay Papers Assigned		Course handbook posted on Learn
	Fri	20 Sept	10:00 – 10:50 11:10 –12:00	Model organisms to study neural development I Model organisms to study neural development	Dr Thomas Theil	Not Recorded
WEEK 3	Tues	1 Oct	10:00 – 10:50 11:10 –12:00	Methods for studying Neural Development I Methods for studying Neural Development II	Dr John Mason	Recorded
	Thur	3 Oct	12:00	Two Page Essay Outline Due		Submit on Learn
	Fri	4 Oct	10:00 – 10:50 11:10 –12:00	Neural Induction Signalling in Development	Dr Thomas Theil	Not Recorded Not Recorded
WEEK4	Tues	8 Oct	10:00 – 10:50 11:10 –12:00	Patterning the nervous system 1: the anterior posterior axis Patterning the nervous system 2: patterning within regions	Prof Andrew Jarman	Flip - watch pre-recording before lecture Flip- watch pre-recording before lecture

MBD3 2019/20 – What teaching aid(s) are beneficial



Video is on Learn – too big to include and send by e-mail