

GRINAS

A Comparative Study of the Visual Strategies of Trainers and Futur Teachers

with eyetracking method.

CONTEXT

- Training programme for secondary school teachers, based on Derobertamsure (2012) and Bocquillon (2020), at the University of Mons
- · Practical teaching skills development course with simulation format of microteaching

"Microteaching typically involves student-teachers delivering (mini) lessons to a small group of students (often in a laboratory setting), and then engaging in post-teaching discussions. They are usually videotaped for later analysis and provide an intense 'under the microscope' view of their teaching' (Hattie, 2009; p.112).

• At the debriefing: the future teacher chooses a video clip and watches it with a trainer to discuss the elements in the picture (freeze frame).

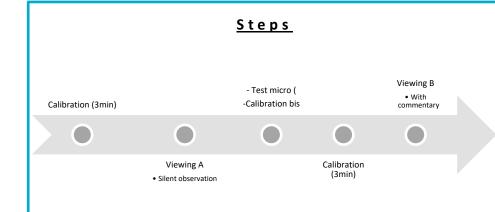
Question 1:

Do trainers (T) and futur teachers (FE) look at the same objects in a classroom scene?

Question 2: Do trainers (T) and futur teachers

(FE) use the same visual strategies?

METHODOLOGY Sampling Materiel and metrics Support vidéo indicator for analyse Pupils in task Teache Average age: 29 Average âge: 36 Training experience from to 26 years old 4 have a PhD in Education of teaching or less than 6 In several types FIXATION of AOI including SACCADE Verification of data by groups of pupils number of complete data sets (at least 70% according a) REVISIT to Chaudhuri et al. 2021), and pupils in FIRST VIEW number of gaze exits (within + or - 1.5 standard h) and out of tasks deviations of the mean) c) blink occurrences (within + or - 1.5 standard deviations GazePoint Duration: 7m of the mean). GP3HD EXPERIMENT DESCRIPTION RESULTS



Question 1: Object of gaze

- FT and T look more at teacher and group 1 (front left of screen)
- FT looks more often at the hyperparticipative pupil
- T's looking at students off task
- -> Result in line with Shinoda et al. (2021)

Question 2: Visual strategies

Compared to FTs, Ts use "look" strategies with more frequent revisits -> Result in line with Wolff et al., 2016 ; Stürmer et al., 2017 ; Kosel et al. 2023 ; Yamamoto & Imai-Matsumura, 2013 .

LIMITS AND PERSPECTIVES Contact Presentation of oculometric results in conjunction • No significant difference according to experience with verbal analysis Valerie.duvivier Examine scanpaths as e.g. Huang et al. (2018) Compare for View B with those for View A @umons.ac.be Faculté de Psychologie ARC Soci&ter et des Sciences Sim'Pro de l'Education



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