Active Learning Observation Networks
Visualizations, analyses and relations to didactic theory
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Visualizations, analyses and relations to didactic theory

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1. From observation protocols to network maps

Two cameras/classroom set up by teacher
Video recording
Coding scheme
Network transformation

Scheme adapted from COPUS [1].
See handout for example in English

Scheme adapted from [2]. Circles (nodes) represent merged codes per interval.

2. Network maps reveal differences in implemented lesson structure

Same lesson
Different context

Teacher 1
Student-driven inquiry

Teacher 2
Teacher-driven classroom dialogue

3. Models for active learning in the sciences (based on Lombardi et al 2021 [5])

Teacher 1
Teacher 2

Teachers in Denmark do not recognise simplified transmissive models [5],
but not all subscribe to inquiry-style active learning. “Directed Learning” may be an alternative.

Model for Directed Learning

Selected Literature


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