

# Mikkel Holding Vembye

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## EMPLOYMENT

(year/month[s])

2022/10-present

**Researcher**, Department of Quantitative Research, The Danish Center for Social Science Research, VIVE

2022/5-9

**Research Assistant**, Department of Quantitative Research, The Danish Center for Social Science Research, VIVE

2018/2-2022/8

**PhD Fellow**, Department of Educational Sociology, Danish School of Education, Aarhus University

2017/3-2018/2

**Research Assistant and Project Manager** on the Danish share of Trends in International Mathematics and Science Study (TIMSS), Department of Educational Sociology, Aarhus University

## EDUCATION

2022/8

**PhD, Aarhus University**, Department of Educational Sociology  
Title: *Methodological Innovations in Systematic Reviewing and Statistical Meta-Analysis in Education and Beyond*  
Main supervisor: Felix Weiss (mail: [fewe@edu.au.dk](mailto:fewe@edu.au.dk))

2016/12

**M.A. Education, Aarhus University**  
Title of thesis: *Evidence and Causality in Education*

2014/6

**B.Sc. Sociology, Aalborg University**

## MEMBERSHIPS

2022/9-present

**Member**, Society for Research Synthesis Methodology (SRSM)

2021/12-2022/8

**Elected Student Member**, SRSM

## APPOINTMENTS

2023/10-presented

**Method Editor** in the Campbell Collaboration

2022/5-2023/9

**Associated Method Editor** in the Campbell Collaboration.

## FUNDING AND GRANTS

2017/12 PhD project “Developing the Concept of Causation and Evidence in Evidence-based Research”, Graduate School of Arts, **Open Call for PhD scholarships at the Faculty of Arts**. (Application no. 22606592) DKK 1,300,000 [~205,000 US\$].

## ARTICLES

**Vembye, M H.**, Pustejovsky, J. E., & Pigott, T. D. (2024). Conducting power analysis for meta-analysis of dependent effect sizes: Common guidelines and an introducing the POMADE R package. *Research Synthesis Methods*, 15: 1214-1230. <https://doi.org/10.1002/jrsm.1752>

*Preprint*: <https://osf.io/3x2en>

**Vembye, M. H.**, Weiss, F., & Bhat, B. H. (2024). The effects of co-teaching and related collaborative models of instruction on student achievement: A systematic review and meta-analysis. *Review of Educational Research*, 94(3): 376-422.

<https://doi.org/10.3102/00346543231186588>

*Protocol*: <https://doi.org/10.17605/OSF.IO/UR2BS>

*Preprint*: <https://osf.io/preprints/metaarxiv/mq5v7/>

**Vembye, M. H.**, Pustejovsky, J. E., & Pigott, T. D. (2023). Power approximations for overall average effects in meta-analysis with dependent effect sizes. *Journal of Educational and Behavioral Statistics*, 48(1): 70–102. <https://doi.org/10769986221127379>

*Preprint*: <https://osf.io/preprints/metaarxiv/6tp9y/>

**Correction: Vembye, M. H.**, Pustejovsky, J. E., & Pigott, T. D. (2024). Corrigendum to Power Approximations for Overall Average Effects in Meta-Analysis With Dependent Effect Sizes. *Journal of Educational and Behavioral Statistics*, 49(1): 143–146.

<https://doi.org/10.3102/10769986231207878>

**Vembye, M H.** & Korsgaard, M. T. (2018). Funktionalistisk pædagogik? Biesta og Arendt om ontologi og evidens. *Nordic Studies in Education*, 38(3): 215-231.

<https://www.idunn.no/doi/10.18261/issn.1891-5949-2018-03-03>

Korsgaard, M. T., **Vembye, M. H.**, & Mortensen, S. S. (2019). Suspension og eksemplaritet – mod en genoplivning af undervisningsbegrebet. *Studier i Læreruddannelse og – Profession*.

<https://tidsskrift.dk/SLP/article/view/117984/166011>

## BOOK CHAPTER

**Vembye, M. H.** & Jensen, H. S. (2022). Kausalitet og evidens i den danske, pædagogiske evidensbevægelse og et muligt bud på en forbedring. In Christensen, J. H. & Qvortrup, L. (red.). *Kausalitet og effektivitet i pædagogisk forskning og praksis*. Aarhus Universitetsforlag.



vember 25-26, Paper: The Effects of Co-Teaching and Related Collaborative Models of Instruction on Student Achievement: A Systematic Review and Meta-Analysis

2018 IX SLMFCE, Spanish Society for Logic, Methodology and Philosophy of Science, the National Distance Education University (UNED), Madrid, November 13-16, Symposium on Nancy Cartwright's philosophy (head-to-head with Nancy Cartwright). Paper: "Reflecting on Nancy Cartwright's Conception of the External Validity of RCTs".

2018 NSA 2018, 29<sup>th</sup> Nordic Sociological Association Conference, Aalborg University, Aalborg, August 8-10. Paper: "The Impact of Social Background on Academic Achievement: Trends from 2007-2015 in the Nordic Countries" (w. Emil Smith).

2018 PESGB Annual Conference, New College, University of Oxford, Marts 23-25. Title: "How the Laws of Education Lie" (w. Hans Siggaard Jensen).

2017 TiSSA, The International Social Work & Society Academy Annual Conference, Olsztyn, Poland, August 25. Paper: "Causation and Evidence in Evidence-based Research".

## INVITED TALKS

2024 SRMA SIG (Systematic Review and Meta-Analysis Special Interest Group), Online. November 15. Title: Using GPT API Models as Second Screeners in High-Quality Systematic Reviews.  
<https://www.srmasig.org/seminar/2024-25-seminars/>

2021 Quant Lab presentation (University of Wisconsin-Madison), Madison, December 13, Paper: The Effects of Co-Teaching and Related Collaborative Models of Instruction on Student Achievement: A Systematic Review and Meta-Analysis

2021 Seminar at VIVE (The Danish National Centre for Social Research), Copenhagen, December 10, Paper: The Effects of Co-Teaching and Related Collaborative Models of Instruction on Student Achievement: A Systematic Review and Meta-Analysis

2018 PESNA Annual Conference, University of St. Mary of the Lake, Chicago. Panel Debate about Evidence-Based Practice (EBP): Dimensions of Reproducibility. Title: "Are RCTs the Golden Standard in Educa-

tion?”, October 26-28. (w. Tone Kvernbekk & Kathryn Joyce).

2017 The Philosophy and History of Evidence-Based Policy-Making, The Royal Danish Library, “The Black Diamond”, Aalborg University, September 29. Title: “Causation and Evidence in Evidence-Based Research and Policy – The Case of Education” (w. Hans Siggaard Jensen).

2017 ”Kausalitet och evidens i pedagogikken” [English: Causality and Evidence in Education], Malmö University, October 4 (w. Hans Siggaard Jensen)

## **SERVICES**

### ***Referee service:***

- Campbell Systematic Reviews

### *Ad hoc reviews for*

- Research Synthesis Methods
- Nature Human Behaviour
- Educational Research Review
- Review of Educational Research
- Psychological Bulletin
- Psychological Methods
- Nordic Journal of Systematic Reviews in Education
- Trygfonden