Amanda Kvarven

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PERSONAL **Born:** Bergen, Norway - 26/01/1994

RESEARCH INTERESTS Metascience, Experimental and Behavioural Economics, Research methods

EDUCATION **University of Bergen**
Phd, Economics   July 2017 - present
Supervisors: Sigve Tjøtta (UoB) & Anna Dreber Almenberg (SSE)

Master of Science, Economics   August 2013 - June 2017

VISITING PERIODS **Stockholm School of Economics**   Spring 2019
Host: Anna Dreber Almenberg

JOB MARKET PAPER **Using Unbiased Many-Teams Replication Data to Evaluate Meta-Analytic Estimators**

Meta-analysis is often considered to be at the top of the scientific hierarchy of evidence. However, there is a growing worry among researchers that meta-analysis suffers from publication bias. To combat this problem, researchers have proposed multiple methods of adjusting meta-analyses. In this paper, I test five of these adjustment methods by applying them to unbiased meta-analytic data to see if the bias adjustment methods can detect the true level of bias and thereby yield the same result as the unadjusted analysis. This data comes from large replication projects where experiments are redone in many labs, thus creating the meta-analytic data structure. I find that all regression based adjustment methods correct the results of unbiased replication and might therefore yield misguiding results.

PUBLICATIONS **Comparing Meta-Analyses and Pre-Registered Multiple Labs Replication Projects (2020)** *with Eirik Strømland & Magnus Johannesson* **Nature Human Behaviour**

Many researchers rely on meta-analysis to summarize research evidence. However, there is a concern that publication bias and selective reporting may lead to biased meta-analytic effect sizes. We compare the results of meta-analyses to large-scale pre-registered replications in psychology carried out at multiple labs. The multiple labs replications provide precisely estimated effect sizes, which do not suffer from publication bias or selective reporting. Searching the literature, 15 meta-analyses on the same topics as multiple labs replications are identified. We find that the meta-analytic effect sizes are significantly different from the replication effect sizes for 12 out of the 15 meta-replication pairs. These differences are systematic and on average meta-analytic effect sizes are almost three times as large as the replication effect sizes. We also implement three methods of correcting meta-analysis for bias, but these methods do not substantively improve the meta-analytic results.

The Intuitive Cooperation Hypothesis Revisited: A Meta-analytic Examination of Effect-size and Between-study Heterogeneity (2020) *with Eirik Strømlandc, Conny Wollbrant, David Andersson, Magnus Johannesson, Gustav Tinghög, Daniel Västfjäll, & Kristian Ove R. Myrseth* **JESA**

The hypothesis that intuition promotes cooperation has attracted considerable attention. Although key results in this literature have failed to replicate in pre-registered studies, recent meta-analyses report an overall effect of intuition on cooperation. We address the question with a meta-analysis of 82 cooperation experiments, spanning four different types of intuition manipulations—time pressure, cognitive load, depletion, and induction—including 29,315 participants in total. We obtain a positive overall effect of intuition on cooperation, though substantially weaker than that reported in prior meta-analyses, and between studies the effect exhibits a high degree of systematic variation. We find that this overall effect depends exclusively on the inclusion of six experiments featuring emotion-induction manipulations, which prompt participants to rely on emotion over reason when making allocation decisions. Upon excluding from the total data set experiments featuring this class of manipulations, between-study variation in the meta-analysis is reduced substantially—and we observed no statistically discernable effect of intuition on cooperation. Overall, we fail to obtain compelling evidence for the intuitive cooperation hypothesis.

Extending the cooperative phenotype: Assessing the stability of cooperation across countries (2017) *with Eirik Strømland & Gustav Tinghög* **Frontiers in psychology**

This paper studies whether individual cooperation is stable across settings and over time. Involving more than 7,000 subjects on two different continents, this study documents positive correlation in cooperative behavior across economic games in Norway, Sweden, Austria, and the United States. The game measures also correlate with a tendency to make deontological judgments in moral dilemmas, and display of general trust toward strangers. Using time-variation in the data, we test whether temporal stability of behavior is similar in the United States and Norway, and find similar stability estimates for both the American and Norwegian samples. The findings here provide further evidence of the existence of a stable behavioral inclination toward prosociality – a "cooperative phenotype," as it has recently been termed. Also in line with previous research, we find that punishment and cooperation seem to be uncorrelated.

WORK IN PROGRESS	**Identification of and Correction for Publication Bias: Comment**	
	Do common experimental findings hold up in a more general design? *with Eirik Strømland, Anna Dreber Almenberg, Thomas de Haan & Magnus Johannesson*	

GRANTS AND AWARDS	**Meltzer foundation:** 60 000 NOK	2019
	Meltzer foundation: 40 000 NOK	2018

TEACHING

Guest lecturer (Western Norway University of Applied Sciences)
SIK101-1: Environmental Science   Fall 2020-2021

Supervision (University of Bergen)
Bachelor students   Spring 2018, Spring 2020, Fall 2020, Spring 2021

Teaching Assistant (University of Bergen)

ECON330: Macroeconomic Analysis	Fall 2017-2020
ECON340: Econometrics I	Fall 2018
ECON110: Basic Concepts of Microeconomics and Market Theory	Spring 2016-2017
ECON210: Welfare and Economic Policies	Fall 2016
ECON230: International Macroeconomics	Fall 2015

LANGUAGES   **Norwegian:** Native, **English:** Fluent, **Spanish:** Basic

COMPUTER   **Languages:** LaTeX
SKILLS   **Statistical software:** STATA, SPSS, R