



Curriculum Vitae

Martin Ørbeck

Economist

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Profile

Martin is an economist with a master's degree from the University of Oslo and a bachelor's degree from NTNU in Trondheim, with exchange to the Erasmus Universiteit in Rotterdam. From October 2023, Martin is on temporary leave from Vista to do a PhD in economics at the Norwegian University of Life Sciences (NMBU) about regulation of household economic activity with adverse environmental effects.

From his studies and project and research experience in Vista, he has developed an expertise in economic analysis at the intersection of economics and the environment, including analyses of public policy to reduce environmental and climate impacts. In particular, he has worked with econometric analyses of both register data and large surveys, including estimating causal effects.

In Vista Analyse, Martin has applied both quantitative and qualitative methods in projects within a wide range of thematic areas, from calculating optimal toll rates in transport projects in Norway to analyzing inequality mitigation in Uganda. Among Martin's most significant projects is an evaluation of person-oriented policies in the action zone in Northern Norway, where he performed advanced econometric analyses, and conducted interviews and surveys with mayors in a number of municipalities in Northern Norway. Martin has also been central to KS1 and KVV projects for the Armed Forces and the Police, respectively, where he has worked systematically with cost-benefit analysis related to large government investments, following guidelines from the State Project Model (R-108) and the Government guidelines for conducting cost-benefit analyses (R-109). Methodologically, Martin has worked primarily with statistical analyses, but he has extensive experience in conducting and analyzing both interviews and surveys.

Martin has gained expertise in analyzing willingness-to-pay surveys for the valuation of non-priced environmental goods through both academic work and in his role at Vista Analyse. He is the lead author of a paper on the stability of environmental preferences over time, and this paper was selected for presentation at the annual conference of environmental and resource economists in Europe, in Italy during the summer of 2022. Furthermore, he has worked on an academic article on willingness-to-pay to avoid power outages, in collaboration with a team at Vista Analysis with expertise in economic analysis of goods and services that are not traded in markets, such as environmental goods.

Education

2019-2021 **Master of Philosophy in Economics**, University of Oslo

2016-2019 **Bachelor degree in Economics**, NTNU Trondheim
One semester exchange at Erasmus Universiteit Rotterdam. Two semesters studying Political Science

Work experience

2021- **Vista Analyse**, consultant

2019-2021 **University of Oslo**, study representative
The role consisted of visiting high schools to lecture in economics. The subjects he lectured was environmental economics, as well as fiscal and monetary policy. The role included both working on the material beforehand and presenting.

Academic experience

2021-
(ongoing) **Stated preferences in tumultuous times: Investigating environmental preferences over a five-year period controlling for Covid**

Research paper presented at the annual conference of the European association of environmental and resource economists, summer 2022 in Rimini, Italy.
[Working paper available at SSRN.](#)

Temporal aspects of environmental preferences and willingness to pay (WTP) have not yet received attention comparable to their importance. We investigate how WTP and preferences have evolved over five years. Data generated by two identical contingent valuation surveys on oil spill prevention applied to a high-quality internet panel of Norwegian households in 2015 and 2020 were analyzed. The 2020 respondents consisted of both new and retest participants. This data structure is rare in the literature, and our test-retest (TR) sample is the largest of any studies beyond 1-2 years. We find a significant increase in WTP when comparing full samples of all individuals, while no significant change is found in the TR sample. Estimated preference functions are stable for both samples when controlling for various factors. Utilizing decomposition analysis, we find that a negative shift in preferences causes WTP to decrease among TR respondents. Using COVID-specific survey questions and matching the number of COVID cases in respondents' county on the day they completed the survey, we find that the pandemic likely produced a downward bias of 10-20 percent on WTP in 2020. Further investigations suggest this is due to psychological, rather than economic, implications of the pandemic.

Martin is the lead author of the article and has conducted all the analyses, while Henrik Lindhjem (Menon Economics), Professor Gorm Kipperberg (University of Stavanger) and Professor Maria Loureiro (Universidade de Santiago de Compostela) are co-authors.

2021-
(ongoing) **When stated cost is higher than willingness to pay**

Research article submitted to academic journal

An academic article based on a survey on consumers' willingness to pay to avoid long-term power outages that Vista Analyse prepared, conducted and analyzed for Statnett. The article uses econometric methods to answer a research question about why respondents report much higher direct costs as a result of power outages than willingness to pay in order to avoid the same outages.

The article is written by a team at Vista Analyse with expertise in valuation studies and economic analysis of non-market goods. Authors of the article are Orvika Rosnes, Haakon Vennemo, Andreas Skulstad, Anne Maren Erlandsen and Martin Ørbeck.

Project experience at Vista Analyse

[Vista Analyse - Martin Ørbeck](#) for all public reports.

- 2023-
(ongoing) **Concept study (KVU) for ICT infrastructure in the justice sector**
Police Joint Services (PFT)
Vista Analyse and Metier are assisting PFT in the work on a KVU for ICT infrastructure in the justice sector. The project is classified, and no further information is therefore provided.
- 2023-
(ongoing) **Evaluation of Enova's support scheme for electric vans**
Enova
Vista Analyse and Thema are evaluating Enova's support scheme for the purchase of electric vans, which was introduced in 2019. Our evaluation examines whether the scheme has contributed to increased consumption and use of electric vans, whether the scheme has contributed to changes in the market for vans, and how well the scheme has been implemented (application process, knowledge of the scheme etc.). In the project we have analyzed data from the van market, conducted interviews with relevant actors on the supply and demand side of the scheme, and conducted and analyzed a survey aimed at car buyers, car dealers and leasing companies.
- 2023 **Mapping of oil and gas policy in the North Sea countries**
Oil Change International
In this project, Vista Analyse have compiled and described regulation and adopted policies related to the oil and gas industry in Norway, the UK, Denmark, Germany and the Netherlands. The information shall be used by the client for a comparative analysis. The report addresses relevant legislation related to production licences, decommissioning plans, regulation of impacts on the environment and climate, in addition to describing the political climate and adopted policies for the oil and gas industry for each country.
- 2022-2023 **Quality assurance of concept study – Norwegian Armed Defence's secure platforms**
The Norwegian Ministry of Finance and the Norwegian Ministry of Defence
Vista Analyse, in collaboration with Metier, carries out a quality assurance (KS1) of concept study for new ICT systems within the Armed Forces. The project is classified and no further information is therefore provided.
- 2023 **Residence requirement in Aurland municipality: knowledge base for municipal policy**
Aurland municipality
This report sheds light on the consequences of a potential introduction of residence requirements in all or parts of Aurland municipality. The analysis was conducted by assessing current legislation and housing market challenges in the municipality, and viewing this in the context of documented experiences with residence requirements from comparable municipalities. The main focus of the analysis was whether residence requirements can contribute to a reduction in the number of housing units without registered residents in the municipality. The project was largely based on methodology and findings from a previous analysis of residence requirements in Nøtterøy for Færder municipality, where the topic was analyzed in greater detail.

- 2022-2023 **Socio-economic assessments of a transition towards emission-free construction sites**
Nye Veier
 Related to the national efforts to make construction sites in the transport sector emission-free, Vista is employed to make assessments related to what socio-economic effects this transition may cause. The project focuses on the role of pilot projects to stimulate technology development, and we therefore combine insights from classical economic theory with theory of technology and innovation. Among the technologies being considered are circular solutions such as the use of biogas as a source of energy. The project addresses how pilot projects' effectiveness depends on characteristics such as market situation, technological maturity and more.
- 2022 **Evaluation of person-oriented policies in the action zone in Nord-Troms and Finnmark**
The Norwegian Ministry of Local Government and Regional Development
 In collaboration with the research institute Oslo Fiscal Studies (OFS) at the University of Oslo, Vista Analyse conducts an evaluation of person-oriented policies in the action zone, which includes lower taxes and fees, as well as the deletion of student loans. Central to the work is the use of advanced econometric methods to uncover cause-and-effect relationships between the policies and desired targets for population numbers and employment in northern Norway. Furthermore, analyses using simulation models will also be conducted, with the models LOTTE-skatt and LOTTE-arbeid at Statistics Norway, as well as NOREG 2 at Vista Analyse. All econometric analyses are carried out with a rich register data material produced by Statistics Norway. In addition to the statistical analyses, the project will involve conducting surveys and in-depth interviews to provide further qualitative input to our findings.
- 2022 **Benefit realization at Nye Veier**
Nye Veier
 Vista Analyse assisted with socio-economic assessments related to benefit realization at Nye Veier. The work included preparation of material for decision-making and assessing cost-benefit calculations carried out in EFFECT. In the project, there was a particular focus on assessments of socio-economic effects that are not captured in EFFECT, and special considerations related to roads of very different profile. Furthermore, Vista assisted with the development of methodology for benefit realization in the company. Among the sections that Vista has worked on in the project are rv. 13 Skare-Sogndal and E136 Dombås-Vestnes.
- 2022 **Calculation of road toll potential on eight projects in Nye Veier's portfolio**
New Roads
 We calculated the potential for collecting road toll on eight projects in Nye Veier's portfolio. The methodology is based on the assumption that the toll rates are set equal to the total benefits that the new road generates for the users in terms of reduced travel time and increased driving comfort. Central to the project was developing a methodology for traffic rejection to assess how many and which road users will choose alternative roads if tolls are introduced.

- 2022 **Potential effects of residence requirements at Nøtterøy in Færder municipality**
Færder municipality
 Quantitative analysis of potential effects of introducing residence requirements in the old municipality Nøtterøy, focusing on effects on the number of residents and the municipal economy. Based on previous analyses and available statistics, a dataset and framework for a statistical analysis was established to accurately estimate how residency requirements may affect how many people reside in an area, and how population composition may be affected. With detailed geographical data, we analyzed statistical relationships in areas with and without residence requirements, where we took into account variables related to the attractiveness of the areas for year-round and holiday homes, such as centrality and proximity to the sea. The results of the statistical analysis were used to make recommendations to Færder municipality on whether residence requirements can have desired effects in the area.
- 2021-2022 **National scope survey of economic crime**
Ministry of Justice and Public Security
 The project involved carrying out a representative national scope survey of economic crime targeting private and public enterprises in Norway, as well as analyzing the results against relevant research and other investigations. The project involved a combination of quantitative and qualitative research methods, with empirical analysis of available statistics and a survey we produced, as well as conducting a large number of interviews.
- 2021-2022 **Study of transport services for the elderly**
Norwegian Directorate of Health
 A study of present transport services for the elderly in Norway to extend the state of knowledge of the topic and assess how the services perform with recommendations for potential solutions. To investigate the topic, a survey was created for both providers and clients of the services to answer, with several additional in-depth interviews to widen our understanding. The study consists of:
- 1) outlining present services based on online materials and statistical analysis
 - 2) an analysis of elderly needs in transportation
 - 3) a description of potential policy action based on our findings
 - 4) proposing future transport services for the elderly in rural areas
- 2021 **Public expenditures, development, and inequality – A study of Uganda**
Norwegian Ministry of Foreign Affairs
 An analysis of public efforts to mitigate inequality in Uganda, co-authored by Statistics Norway. The analysis focuses on public expenditures within health and education. At the core of our method is a model that assesses public efforts to mitigate inequality from policy decision to desired outcome. The model seeks to identify which factors that may lead to insufficient efforts to mitigate inequality, as well as mechanisms that may jeopardize how these efforts translate to outcomes at the citizen level. The model is developed so that it may be employed for similar analyses of other countries. A diverse selection of data was applied to give our analysis empirical backing. Key indicators of health and education retrieved from international databases were analysed in comparison to public expenditure levels over time, to provide insight into the development of inequality mitigation in Uganda. To identify sources of inefficiency in how the efforts translate to outcomes, we interviewed several experts in economic policy in Uganda, as well as members of Ugandan civic society. In addition, we made use of the Afrobarometer, a database consisting of large-scale surveying of citizens in many African countries, which has been gathered frequently for many years.

2021 **Socio-economic effects of mineral extraction**
Norway Mining
Economic analysis of a possible mining project, where the economic benefits and costs in the form of priced economic effects and non-priced interventions in nature were assessed, in addition to a wider economic impacts analysis of local and regional impacts.

Other

Radio Revolt, radioshow host

Creative and administrative responsibility for the show «FEBER» for two years. The role included producing and presenting a weekly show, in addition to several other activities such as organizing events and working as a DJ. The role also consisted of being a member of the music editorial staff at the Student Media in Trondheim.

Languages

Norwegian Native

English Fluent

IT-proficiency

R, Microsoft Office (Word, Excel, Powerpoint, Final Cut Pro, Microdata.no (online tool by Statistics Norway)