Calibration of a fisheries optimization model with many inequality constraints

# Abstract

We present an economic optimization model for the Swedish commercial fisheries. The model is comparative static, and has many inequality constraints to account for the complexities of the fisheries policies. We develop an econometric procedure to specify the parameters of the model, including the dual values of the constraints, based on the first order, second order and complementary slackness conditions of the model. The model is demonstrated in a simulation prohibiting discards.

# Introduction

# The Swedish Fish Pal

# A Bayesian estimation approach