Formulas for spfood paper

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**Mixed models formulas**

equality coefficient p90/p10, municipality’s population, population growth in each municipality, the number of unemployed each year (January), , sea area (km2) of a municipality, and year

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*Models for updated parameters* \

Aquaculture

\ Fisheries

*Notations for model parameters*

*Hyperparameters*

*Ohter things*

# No interaction model

# Interaction 1 model

All examples are for fisheries, i think i don’t need to write all the same also for aquaculture

# Spatial-temporal model with rw2

# Spatial model with linear trend

# Bernardinelli model

# Tweedie distribution

## Other symbols

# Bernardinelli model

# Final fisheries model

# Final aquaculture model