

# Computational exploration of the coastal Mesolithic in south-eastern Norway

Isak Roalkvam

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# Chapter 1

## Introduction

Placeholder

## 1.1 Aims and research questions

## 1.2 Study area

## 1.3 The quality of the archaeological data

## 1.4 Model-based archaeology

## 1.5 The hunter-gatherer model and the coastal Mesolithic of south-eastern Norway

## 1.6 Open research and reproducibility

## 1.7 Overview of papers

1.7.1 Paper 1: *A simulation-based assessment of the relation between Stone Age sites and relative sea-level change along the Norwegian Skagerrak coast*

1.7.2 Paper 2: *shoredat: An R package for shoreline dating Stone Age sites on the coast of south-eastern Norway*

1.7.3 Paper 3: *Exploring the composition of lithic assemblages in Mesolithic south-eastern Norway*

1.7.4 Paper 4: *Comparing summed probability distributions of shoreline- and radiocarbon dates on the Norwegian Skagerrak coast*

## Chapter 2

# Background

Placeholder

### 2.1 Environmental setting

#### 2.1.1 Climactic oscillations

#### 2.1.2 Sea-level change

### 2.2 The Norwegian Mesolithic

### 2.3 Chronological framework

#### 2.3.1 The Early Mesolithic (9300–8300 BCE)

#### 2.3.2 The Middle Mesolithic (8300–5600 BCE)

#### 2.3.3 The Late Mesolithic (5600–3900 BCE)

### 2.4 Coastal hunter-gatherers

## Chapter 3

# Research design and analytical framework

Placeholder

- 3.1 What is the goal of archaeology?
- 3.2 Merits of a model-based archaeology
- 3.3 Chronology, archaeological cultures and modifiable analytical units
- 3.4 Hunter-fisher-gatherers
- 3.5 Palaeodemographic modelling

## Chapter 4

# Conclusions and future directions

# References