

# Online Course Topics for Bayesian Modeling

## General

This website is for hosting material related to Bayesian modeling, Generalised Additive Models (GAMs), the statistical tool R-INLA, the SPDE approach, and my own research.

This website is always under development. Recent changes can be found at [Feedback and changes](#)

The website was recently moved from Bitbucket to Github (Dec 2019). This was mainly because Bitbucket support is ending for hg, and I like Githubs git interface.

## Warning on R versions

I recently updated to R 3.6, and had to change some of the scripts because of this.

## The .R files

In any BTopic, go to the web-page address (e.g. `command+I`), replace the `.html` with `.R`, and this should give the same R file. It is a lot easier to get the code this way than to copy-paste line by line!

## What can you use this webpage for?

I get questions like: Can I use this for

- Teaching?
- Send it to others?
- As a basis for my own code?
- Include code in my presentations?

The answers to all of these is “yes”. Please add an acknowledgement of this webpage when you do so.

However, if you are inspired to write papers based on some of the ideas you see here, I may already be doing that. I would be happy to hear from you, and I can clarify if we are working on the same idea.

## Online / Offline use and older versions

The online webpage is at [<https://haakonbakkagit.github.io/>].

To use this webpage offline, download the github repository at [<https://github.com/haakonbakkagit/haakonbakkagit.github.io>], open the folder and click on `index.html`.

To find older versions of the code for any reason, use the same link and look through the history of the repo.

## Philosophy (of this website)

The explanations in this website are through pictures, figures and computer code.

The text on the website is informal, trying to paint a picture and give the right notions, ideas and intuition. If you want rigorous mathematics, see the papers that are referenced/linked throughout the website. The goal of a paper is usually to be precise and impressive, but the goal of these pages is to make things look simple and to speak to your intuition.

Why am I using html and not pdf? Because I want to use hyperlinks! I want you to be able to open new tabs, and use the “back” arrow in your browser. To open a figure in a new tab (and you can look at two figures side by side in two windows). I want to integrate other websites and content, e.g. youtube videos.

## **Plan**

Plan for the site: Add topics as requested by you, and to fill the gaps in the topic organisation.