

# Livestock Breeding and Genomics - Exercise 4

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2022-10-14

## Problem 1: QTL Data

Estimate genotypic values  $a$  and  $d$  and predict breeding values for all animals using the QTL-data given under:

[https://charlotte-ngs.github.io/lbgfs2022/data/p1\\_qtl\\_1\\_loci.csv](https://charlotte-ngs.github.io/lbgfs2022/data/p1_qtl_1_loci.csv).