

Generalized Linear Models and Applications to *-omics* Data
21st June 2022

- a. What are Generalized Linear Models?
- b. How do we fit GLMs in R?
- c. How do we interpret parameters?

Statistical Modelling for Differential Gene Expression Analysis
22nd June 2022

- a. Basic concepts
- b. Count data
- c. From Poisson to Negative Binomial distribution
- d. Dispersion
- e. Normalization
- f. Count data processing via DESeq2
- g. Understanding the results from DESeq2
- h. Multifactorial experiments