

## 12. Exercise “Bioinformatische Methoden in der Genomforschung”

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Due: 08.02.2022

### **Exercise 1** (5 Points)

Explain Gibbs-Sampling in your own words. Mention up- and downsides of the approach.

### **Exercise 2** (5 Points)

Explain meaning and definition of the  $Z_i$  variables as described in the lecture. Why do we assume that  $Z$  and not the PWM represents the model,

### **Exercise 3** (5 Points)

What are Pseudocounts? Explain Usage and meaning for Gibb-Sampling