

# RE-SAMPLING METHODS

Re-Sampling: Fitting the same models using different training samples from the given data. It is very helpful when we have less sample size and provides us important information.

We are going to discuss two of the most commonly used re-sampling methods.

- 1) Cross-validation
- 2) Bootstrap

These methods helps us to evaluating the model performance and select the final model selection. The process of evaluating a model's performance is known as **model assessment**, whereas model the process of selecting the proper level of flexibility for a model is known as **model selection**.