

Project2:

8. Bootstrapping vs Cross-Validation:

Bootstrapping: Bootstrapping is very similar to Cross-validations. It's a resampling technique with replacement. It can be chosen on every sample a subset of elements that are likely to be repeated.

Cross-validations: The difference between them is that in Cross-validations, we don't have replacement. There are no repeated elements in every subset.

Cross-validation samples are smaller than the dataset while bootstrapping's aren't.

Cross-validation isn't based of random sampling.

Bootstrapping selects samples with replacements that can be as big as the dataset.

Bootstrapping is used more for ensemble machine learning, statistical tests, and parameter estimation.