* **Stratified Cross-Validation Techniques**

https://towardsdatascience.com/what-is-stratified-cross-validation-in-machine-learning-8844f3e7ae8e#:~:text=Implementing%20the%20concept%20of%20stratified,close%20approximation%20of%20generalization%20error

* **Firstly apply Train Test splitting then do cross validation on training the data on model**
* **Best Cross Validation for Regression: KFold**
* **Best Cross Validation for Classification: StratifiedKFold**
* **At the end, use "Grid Search CV" as it contains by default parameter: cv=KFold (if regression) or cv=StratifiedKFold (if classification)**
* **Refer the difference between epochs and iteration**
* Important:

**Why use Ridge & Lasso?**

When we create our linear model with the best-fitted line and come on testing phase then because of increased variation, our model is over-fitted, So It will not work well in the future also not provide appropriate accuracy. Therefore, to reduce overfitting, ridge and lasso regression came into the picture.

**When to use which?**

Lasso tends to do well if there are a small number of significant parameters and the others are close to zero (ergo: when only a few predictors actually influence the response). Ridge works well if there are many large parameters of about the same value (ergo: when most predictors impact the response).

One obvious advantage of lasso regression over ridge regression, is that it produces simpler and more interpretable models that incorporate only a reduced set of the predictors.