This is a link of sources I used throughout the project. I hope this adds value by giving you a direct link to where you can find insightful information about each topic.

## EVERYTHING !!! THIS IS THE BEST YOUTUBE CHANNEL EVER

* <https://youtu.be/vP06aMoz4v8>
  + Logistic Regression in R
  + Sensitivity and Specificity
  + Cross-Validation
  + ROC and AUC clearly explained
  + Machine Learning Fundamentals
  + Etc., you get the point !!

## Web scraping with Rvest in R

* <https://youtu.be/gYXR_Kaft0o>

## Caret Package

* <https://topepo.github.io/caret/index.html>
* <https://youtu.be/rO40vvKXU-4>
* <http://zevross.com/blog/2017/09/19/predictive-modeling-and-machine-learning-in-r-with-the-caret-package/>
* <https://machinelearningmastery.com/pre-process-your-dataset-in-r/>
* <https://stackoverflow.com/questions/47526544/why-need-to-tune-lambda-with-carettrain-method-glmnet-and-cv-glmnet>
  + Tunegrid()
* <https://stackoverflow.com/questions/42417948/how-to-use-size-and-decay-in-nnet#:~:text=When%20you%20train%20a%20neural,parameter%20to%20avoid%20over%2Dfitting.>
  + Size and Decay

## Building a Classification Model in R

* https://youtu.be/dRqtLxZVRuw

## Machine Learning Algorithms

* <https://christophm.github.io/interpretable-ml-book/logistic.html>
  + This source has such insightful information on ML Algorithms !!
* <https://bradleyboehmke.github.io/HOML/logistic-regression.html>
* <https://edu.kpfu.ru/pluginfile.php/278552/mod_resource/content/1/MachineLearningR__Brett_Lantz.pdf>

## SMOTE

* <https://youtu.be/FheTDyCwRdE>
* <https://machinelearningmastery.com/smote-oversampling-for-imbalanced-classification/#:~:text=This%20procedure%20can%20be%20used,to%20balance%20the%20class%20distribution.>
* <https://www.r-bloggers.com/handling-class-imbalance-with-r-and-caret-an-introduction/>

## Multinomial Logistic Regression

* <http://www.jaqm.ro/issues/volume-5,issue-2/pdfs/bayaga.pdf>
* <https://www.youtube.com/watch?v=fDjKa7yWk1U&t=205s>

## Confusion Matrix (Classification Accuracy Metrics)

* <https://youtu.be/sunUKFXMHGk>

## Model Selection

* <https://datascienceplus.com/fitting-neural-network-in-r/>

## Regression Accuracy Metrics

* <https://www.dataquest.io/blog/understanding-regression-error-metrics/>

## Logistic Regression in R

* <https://blog.datasciencedojo.com/logistic-regression-in-r-tutorial/>
* <http://rstudio-pubs-static.s3.amazonaws.com/274284_cfbabe09cd2c4e2984cd965daf7cb2c5.html#:~:text=Logistic%20Regression%20example&text=In%20this%20post%20the%20caret,the%20data%20to%20predict%20default.&text=Fit%20the%20logistic%20regression%20model,the%20caret%20function%20train().>

## Testing/Training Data Sets

* <https://machinelearningmastery.com/difference-test-validation-datasets/>

## nnet package plot

* <https://www.r-bloggers.com/visualizing-neural-networks-from-the-nnet-package/>

## Feature Selection

* <https://www.machinelearningplus.com/machine-learning/feature-selection/#9informationvalueandweightsofevidence>
* <https://topepo.github.io/caret/recursive-feature-elimination.html>
* <https://machinelearningmastery.com/feature-selection-with-the-caret-r-package/>

## GGPlot() - labels

* <https://ggrepel.slowkow.com/articles/examples.html>