**Project Name**: Hard to Handle

**Client**: Arcbest

**KT given by**: Priyanka Srivastava

**Date**: 17th May, 2022

**Purpose:** Confidential (for Arcbest Team only)

## **1.1 Objective**

The objective of the project was to tag each pro number with flag (Y/N) that tells whether the shipment (pro) is hard to handle or not.

The output will also have probabilities associated with each pro numbers.

## **1.2 Tools Required**

SAS, R

## **1.3 Frequency of Run**

The code currently gets executed daily by Evalueserve Team.

## **1.4 Flow of Run**

Below is the flow of running the codes.

**Step 1:** Run pull code to pull the data from DB to SAS. Once the run is complete, we need to bring the dataset from SAS fileserver to VM.

**Step 2:**  Run the R Script. Here, need to import the exported file in step1. The script creates an output file with Y/N associated for each pro number that tells whether the shipment is hard to handle or not.

*Note : The R script was shared by business, and currently we use the same script for prediction. The .rds file is the model file which is used to provide the prediction.*

**Step 3:** Import the dataset created in step 2 and push the results to the database.

## **1.5 Files Received**

* Code Files
* H2H Steps – contains folder information of code in SAS Server. Also, Sample Input and Output Data.
* Email chain.

Attached zip contains the file.

