## 2. Tableau

Please find attached an excel sheet with data. You can download Tableau Free Version and use the file there. All charts/grids must have your interpretation of the result

**A user can have multiple offers in one request (relation = requested_id 1:N id )**

**A user can have multiple request_id (relation = user_id 1:N requested_id)**

**The quality score is a measure to see how good a customer is! The higher the better, negative values are considered as a bad indicator!**

**Here are some questions to answer! Ofc you are free to provide more insight if you can think of more.**

- *information_status* column definition: This columns gives the current state of the application
  o NOT_VALID – Bank not valid for the current customer request
    o BANK_NOT_INTERESTED – The Bank denied the request and did not provide an offer
      o OFFER – The bank gave an offer to the customer
    o DOCUMENTS_INCOMPLETE – The bank is waiting for more documents from the customer to take decision
    o DOCUMENTS_INVALID – The bank checked all documents and decided to reject the customer
    o DOCUMENTS_OK – All documents are received and bank is currently reviewing them and will take a decision after review
    o PAID – The customer got the loan
- quality_score – It is calculated on bank level which means same user for different bank can have different quality score

### Assignment 1: Bank Level Analysis

Do a bank level analysis to show (Segment the data if needed by your choice to do deeper analysis, ex: segment by requested amount or duration):

- Offer conversion
- Paid Conversion
- Minimum, Average, Median and Maximum offered interest rates
- Interpret all the results ex, if you see changes in conversion rates or interest rates

### Assignment 2: User Level Analysis

Do a user level analysis to show (Do additional segmentations if needed)

- Overall user trend and average number of successful requests (offer or higher current state) from user
- Which segment (amount + duration) is most requested by the customer and successfully fulfilled by the banks most
- Best offering banks in general for the user
- Smartly segment users in quality score and see conversion rates for them. Interpret bank preferences with quality score