## Cleaning documentation

## Orders data tab

- MARKETING CHANNEL, ACCOUNT CREATION METHOD, COUNTRY\_CODE
- Empty values replaced with 'unknown'.
- Set the top row as header
- User id and Order id
  - User id formatted as number and order id as string
  - Order\_id checked for duplicates (none found)
- Product ID
  - o Formatted as text
- PRODUCT NAME
  - o 27in"" 4k gaming monitor -> 27in 4k gaming monitor
  - Bose soundsport headphones -> Bose SoundSport Headphones
- USD\_PRICE
  - o Formatted as a dollar amount with two decimal places
- days to deliver
  - Calculated from (date arrived date shipped off)
- PURCHASE TS
  - Imputed empty purchase\_TS with SHIP\_TS
- REFUND TS
  - o Removed dates in the future, as no certain way of knowing when refund occurred
- USD PRICE
  - o Imputed null values with equivalent dollar values from the LOCAL\_PRICE column
- LOCAL PRICE AND USD PRICE
  - Marked transactions with 0 amounts as IS\_NULL\_TRANSACTION
- ACCOUNT CREATION METHOD
  - Imputed empty values with mobile as most logical (purchase platform is mobile app)

## Country\_lookup tab

- North America -> NA
- x -> unknown
- null -> unknown
- A1 -> unknown (erronous)
- BJ + BM -> Set the Region to EMEA and APAC

## Further investigation:

Prouduct\_id - check for guidelines on whether its numbers only or mixture