# 1. CUSTOMER SEGMENT(S)

CS

6. CUSTOMER CONSTRAINTS

CC

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One who wants to extract digits from handwritten text images

A blurry image will not give accurate results.

Traditional handwriting recognition systems have relied on manual features and a large amount of prior knowledge.

# 2. JOBS-TO-BE-DONE / PROBLEMS



People may find it difficult to read other people's posts. handwritten digits don't always have the same size, width, orientation as they are different in each person's handwriting, so the general problem will be when classifying the digits.

### 9. PROBLEM ROOT CAUSE



7. BEHAVIOUR

BE

CH

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

The issue is that there's a wide range of handwriting good and bad. This makes it tricky for programmers to provide enough examples of how every character might look.

It uses Artificial Neural Network

to recognize them. Neural

Network is used to train and identify written digits. After

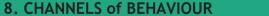
Customers must try with clear image and neat handwriting to get accuracy in digits

### 3. TRIGGERS



digits

## 10. YOUR SOLUTION



When there is need for recognition of handwritten

8.1 ONLINE

Extract online channels from behaviour block

# 4. EMOTIONS: BEFORE / AFTER



frustration, exhausted > curious, satisfied

# EM

training and testing, the accuracy rate reached 99%. This accuracy rate is very high.

### 8.2 OFFLINE

Extract offline channels from different handwriting styles

