BRAINSTORM

ARTHIYA

- online characters suffer from dynamic of poor feature selection
- slow convergence
- affect training time
- Huge variability form person to person
- Cursive handwriting makes seperation and recognition is challenging
- Difficult due to heavy printing resulting from the typewriter impact
- The sheets must be placed properly in tray
- Otherwise it would unnumbered the scanning
- Difficult to recognize the digits in the image

BUJITHA

- lack of recognition accuracy
- complexity of noise from data
- variations in character styles
- The issue is that there's a wide range of handwriting- good or bad
- This makes it tricky for programmers of how every character might look
- Heavy-tailed distributions remain a major challenge for modelers
- Handwriting style of an individual person varies
- There is no possibility of obtaining information about the type of the input
- Stress on some parts of numbers

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- variations in mood of writers make it difficult
- heavy-tailed distributions
- no sufficient mechanism to effectively manager uncertainity
- Alpha numeric characters are not recognised well
- difficult due to shape variance and skewing
- Collecting a good labelled dataset to learn is not cheap compared to synthetic data
- Huge ambiguity of strokes from person to person
- The handwriting must be dark enough
- Otherwise it would be hard to read the data and generate a report

DHARANI

- Pattern analysis is complex
- very limited number of characters is offered by this
- difficult due to broken edges touching characters
- Poor quality of source document due to degradation over time
- There is a probability of the potential of collapse
- Difficult to predict the future behavior of complex system
- It is more expensive method of data entry
- It is not done in real time as a person writes and therefore not immediate text input
- Need to develop an efficient algorithm

ARTHIYA

- Helps to transform the writings in the papers to a text document format
- mainly used in banking sector
- Large quantities of text are often input quickly
- AHD fulfill the need of today's business world need
- Removing background using machine learning algorithms
- The process is much faster
- Greater security technology
- Printed characters can not be altered
- Improving photography practices

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- Ability to scan the characters accurately
- CNN network is used
- Moreover it takes less time to convert within the electronic form
- Handwriting recognition is important for genealogy
- Using higher-quality images that are easier for character recognition as inputs
- Feasible for large volume of data set
- The document is not easy to forge
- Processing of information is fast
- Advanced version can even recreate tables, columns and even produce sites

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- Online and offline detection is available
- Information can be readable with high degree of accuracy
- Very accurate and may produce reasonably top quality images
- It is fast
- Easy to implement and support
- The latest software can re-create tables also as original layout
- Developing more advanced recognition algorithms to manage task accurately
- It is cheaper than paying amount to manually enter great deal of text data
- State of art strategy

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- Online procedure is easier than offline procedure
- 100% Text-searchable documents
- It is in electronic form which is straightforward to store and send by email
- Cost effective
- Used to verify the originality of paper documents
- The generative models can perform recognition driven segmentation
- Inspite of rough handling, one can read the information with high degree of accuracy
- Designing documents in this is a friendly way
- Flexible to access anywhere