

ML Technique interpret written/printed text

- Intersection of Computer Vision and Natural Language Processing
- Optical character recognition (OCR)
 - Models recognize individual shapes as letters, numbers and punctuation
- Machine Learning Comprehension
 - AI system reads and understands semantic context

MS AZ Computer Vision

- Subset of Analyze Image of Computer Vision
- OCR API
- Read API
- Form Recognizer API

- Note taking
- Digitizing forms
- Scanning bank checks
- Expense claim
- Sales receipts

OCR API

- Quick extraction of small amounts of text in images
 - Synchronous and multi-language
- Information hierarchy
 - Regions that contain text
 - Lines of text in region
 - Words of each line of text
- Returns bounding box coordinates of region, line or word
- OCR generates false positives with text-dominated images

OCR for receipts and invoices

- Process electronically for expense claims or digitization
 - Name, address and telephone number of merchant
 - Date and time of purchase
 - Quantity and price of item
 - Subtotal, tax and total amounts
- Custom models
 - Extract key/value pairs and table data from forms
 - Trained with own data to tailor models for specific forms
 - Five samples to start



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