Photo OCR

- o Problem description and pipeline photo OR: photo Ophical Charceter Recognition
 - · Photo OCR Pigeline
 - 1. Text detection
 - 2. character segmentation
 - 3. character classification

Each above steps may be a machine learning problem

Propertie: A system with many components / stages, several of which

may use much ine learning

. sliding Windows
Text detection

Golding lots of data: Artificial data synthesis

· Creciting new claser from scratch.

Take real data and add background/noise/distortion

Distortion should represent the type of noise in the test set.

- · Piscussion on yelling more data
 - 1. Note sure you howe low bias classifier before expanding the effort.
 - 2. Had much work would it he to get lox much data as we

currently have?

- Artoficial clota synthesis?
- Collect/label it yourself?

- Good source (e.g. Amazon mechanical Trusk

Ceiling Analysis: What post of pipeline to nork on next?

Inage -> Text detection -> character -> character reagnition

Coiling analysis: estimating the error due to each congonent