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A11: LowKey **TARUC**

Team Leader: *Kong Mun Jun*

Member 1: *Wong Yew Lee*

**Days since learning Deep Learning
and Image Processing : 1**






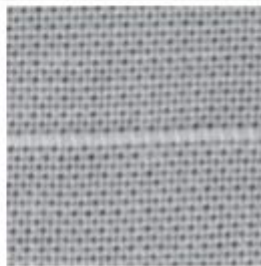


Problem Statement

- *Less work and focus in this manufacturing industry*
- *Less Dataset and research found in websites*

Dataset

- *TILDA Fabric (1996)*
 - Accuracy tested with **Keras Deep Learning**
 - Accuracy rate: **73.35%**
 - Manual labeling for defects

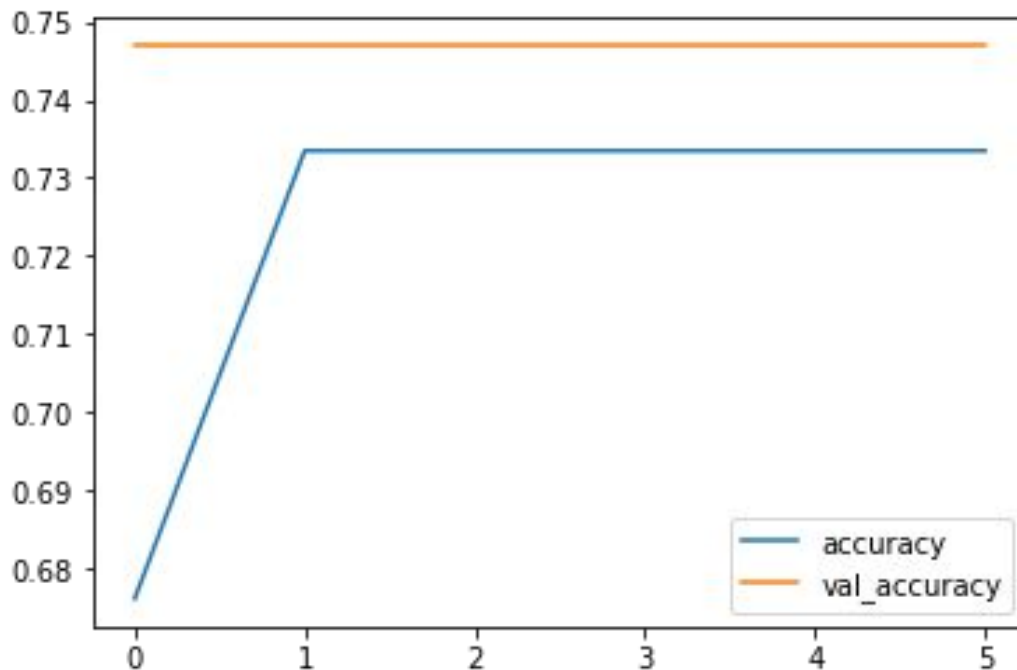
Sample index & name	Original Image
1. Defect-free	
2. Broken end	
3. Broken pick	
4. Hole	
5. Foreign fiber	
6. Bar	



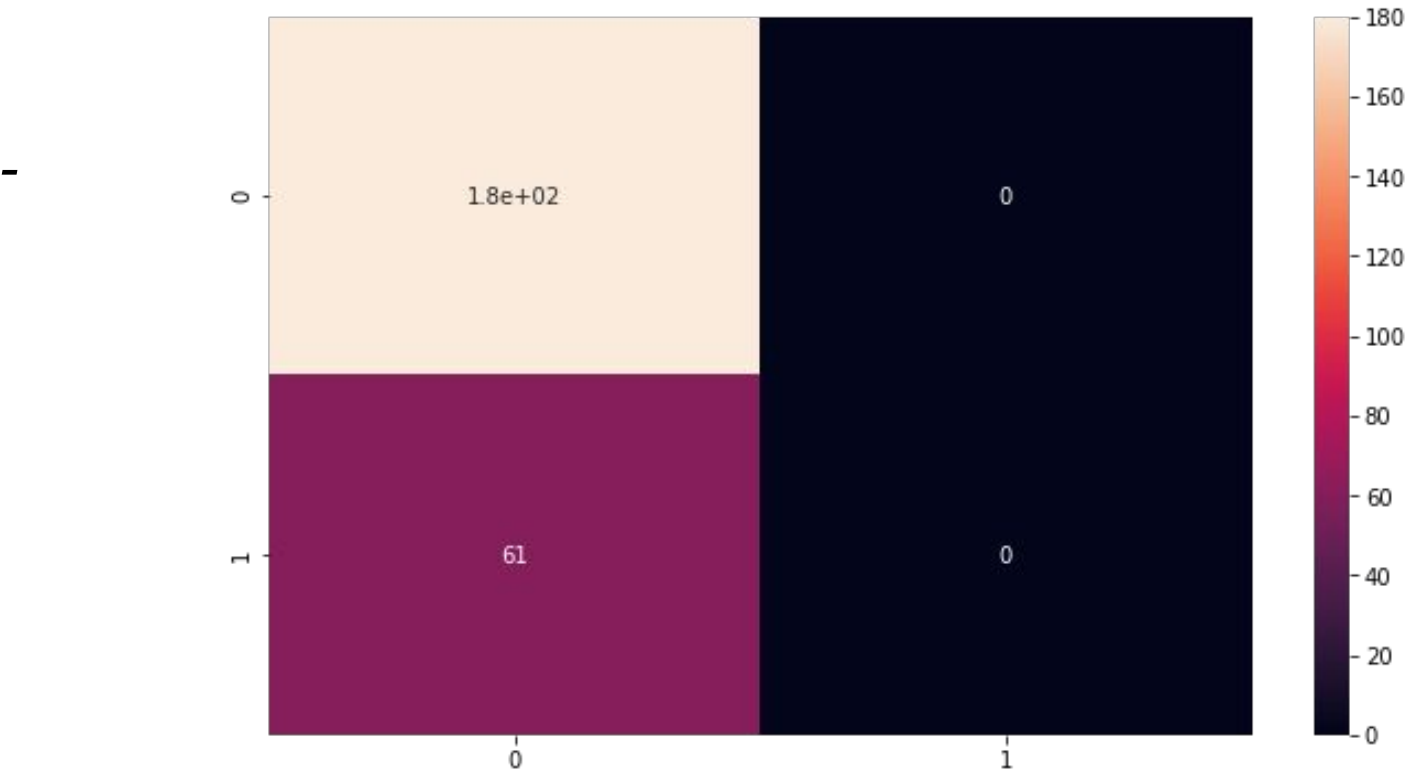
LJ Model

- *Quality Control Inspection Model by processing image*
- *Check every part of the textile for defects*
- *Could detect defects*

LJ Model



LJ Model



Limitation

- *Doesn't have camera features (not real time)*
- *Over-fitting*
- *Knowledge limitation*
- *Datasets not clean enough*
- *No textile expertise to handle textile problem*

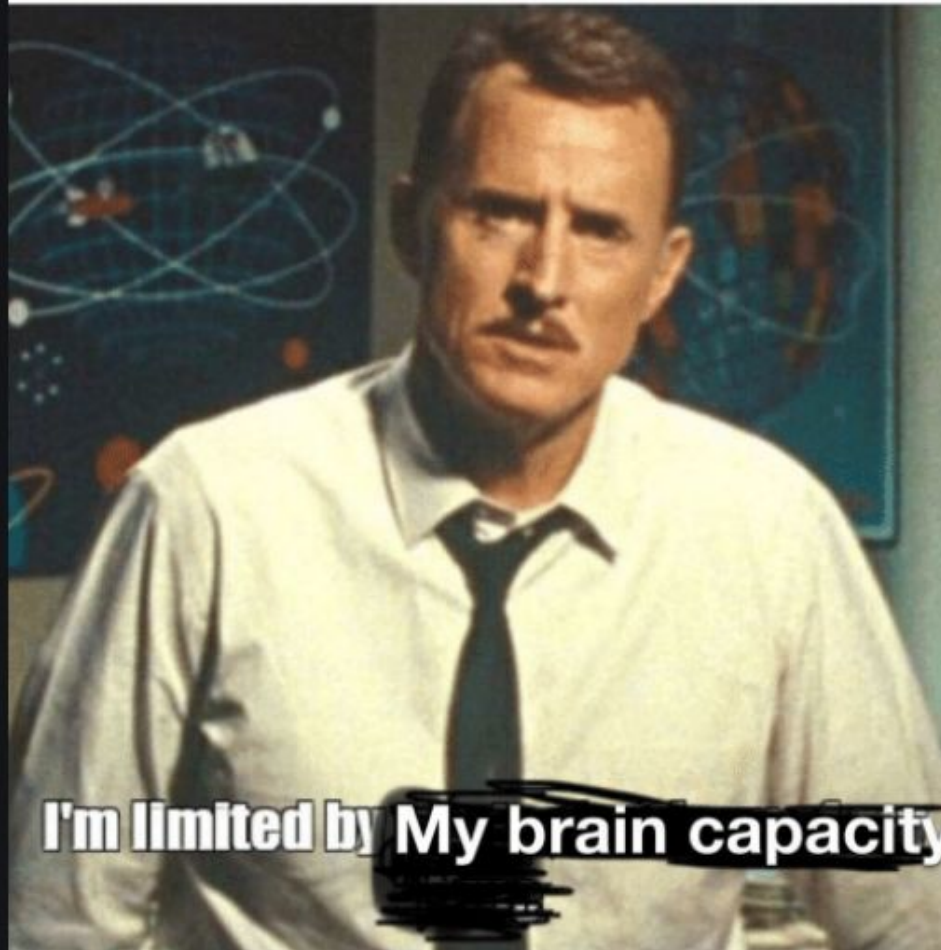
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I'm limited by ~~My~~ brain capacity

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Link to Our Work

<https://tinyurl.com/tildaLJ>