

The Current State of the Art in Multi-Label Image Classification Applied on LEGO Bricks

Background

- How well does the state of the art in image classification work on LEGO bricks?
- Transform single label into multi-label
- Single label classifier vs multi-label classifier



Results

- ResNet, WideResnet, ResNext
- F1-Score
- 5 experiments



Conclusion

- ResNext works best
- Performs well on synthetic and cut and paste data
- · Does not perform so well on real data
- More data is better
- Current state of the art is good!
- Dataset too small

