

Security Street Cameras around the world

CNN to Evaluate Social Distancing Measures



USA



UK



Japan



My Country

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Konstanz, 02.07.24

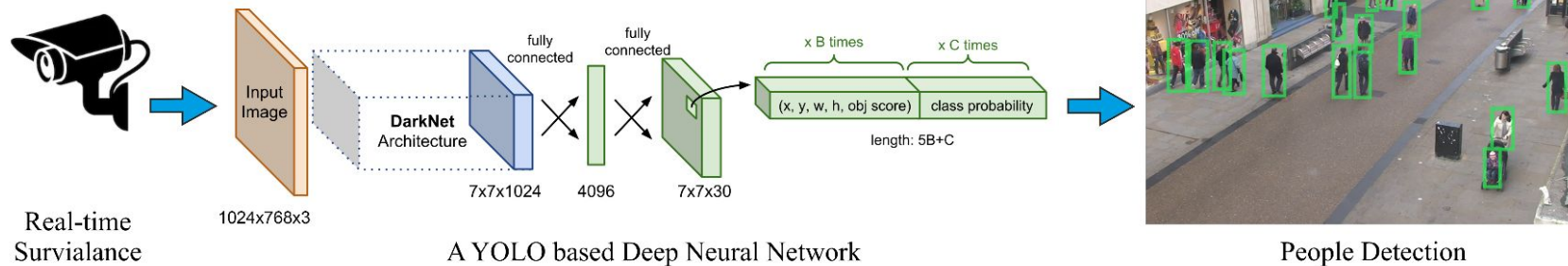
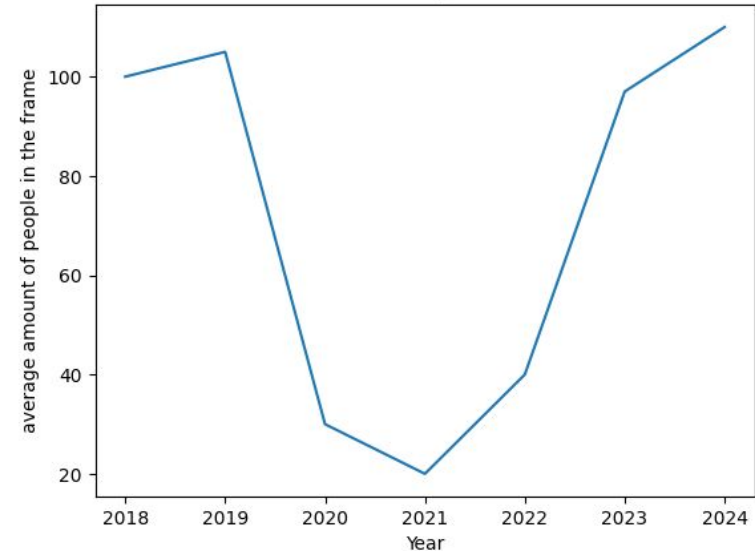
Content

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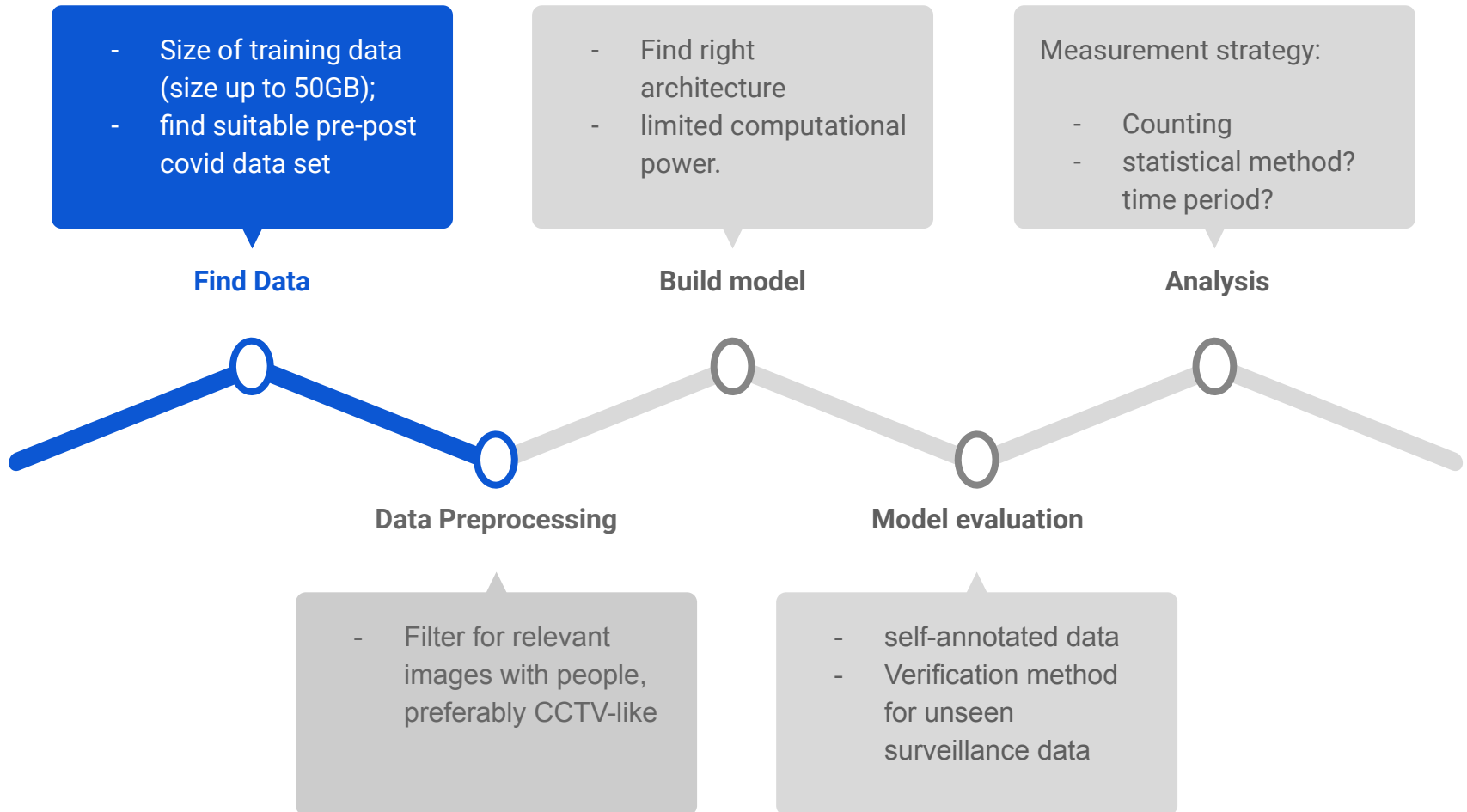
1. Research question & methods

- How effective are social distancing measures (during COVID)?
- CNN model to detect persons in an image
- Use average number of people (per week) to evaluate effectiveness

Simulated expectations

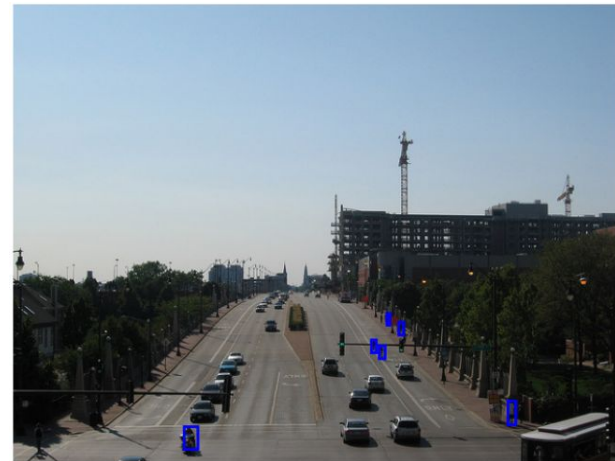


2. Work plan & challenges





Frame with Pedestrian Detection



3. Preliminary Results

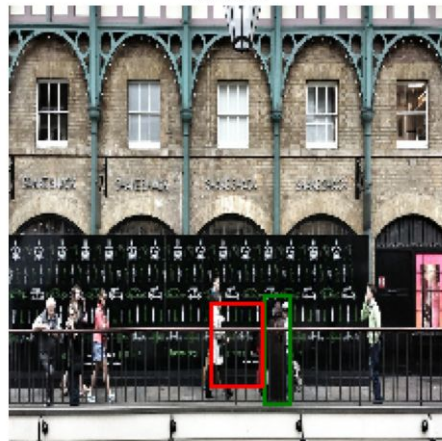
Sample 1



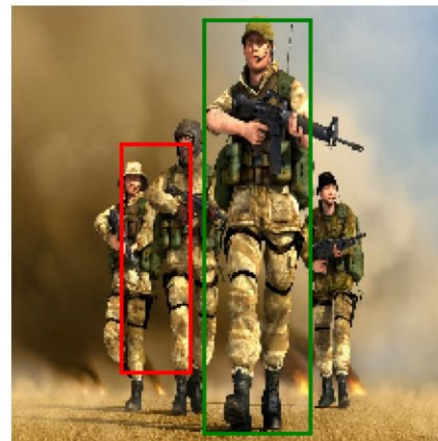
Sample 2



Sample 3



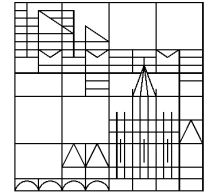
Sample 4



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4. Conclusion & critique

- Ethical considerations of using surveillance technology
- Hard to reach the accuracy of pretrained models like the YOLO model
- Distance measures and person identification hard to implement
- Research Design needs to be clarified



**Thank
You!**

**Questions
or Advices?**

Every time I see a security camera

