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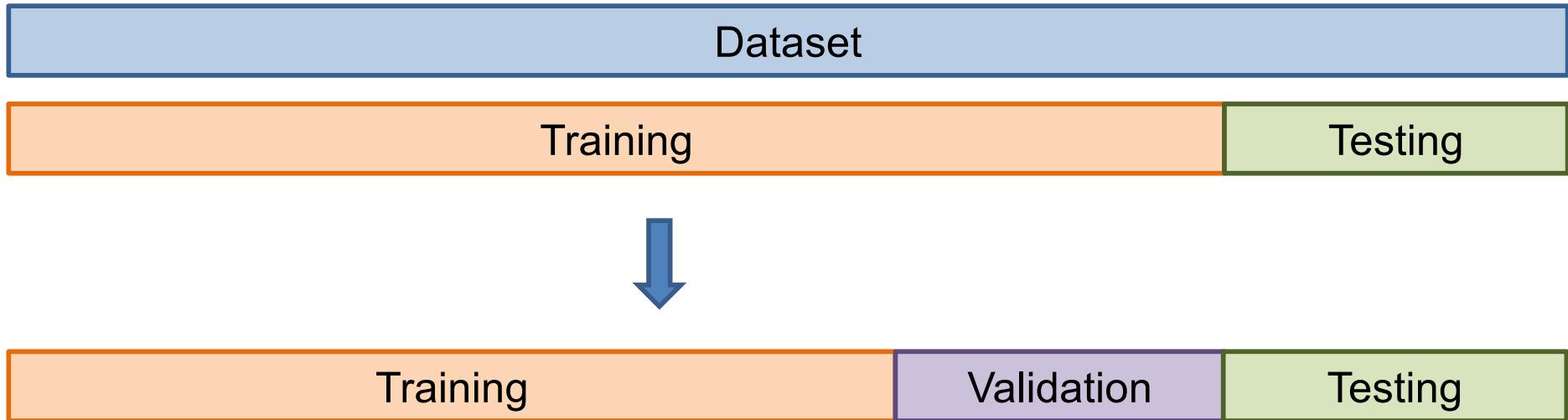
Deep Learning Applications for Computer Vision

Lecture 4: Deep Learning for Computer
Vision – Data Challenges



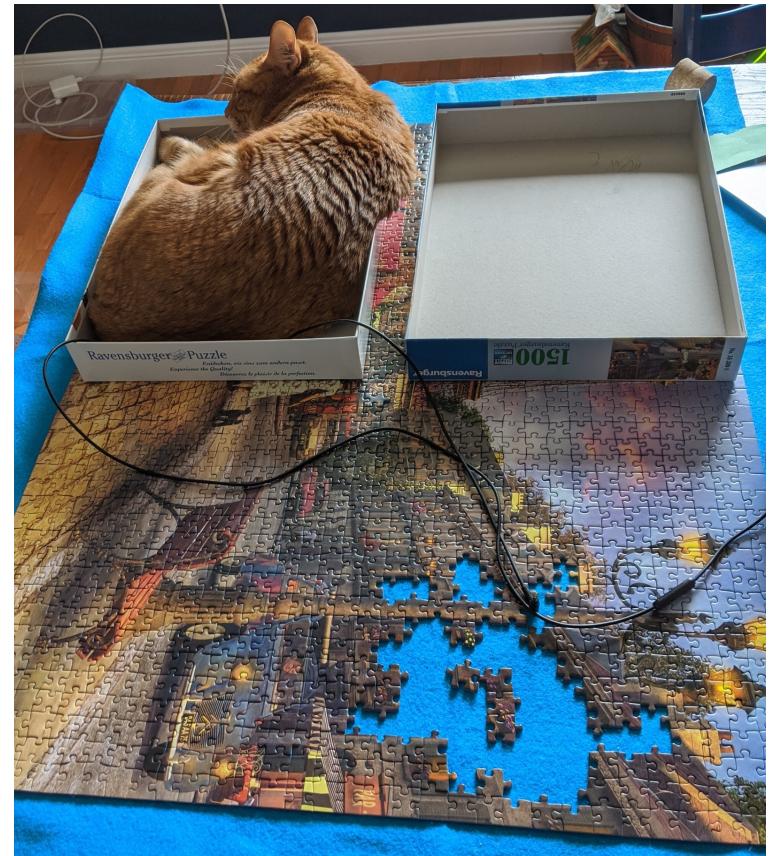
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The Data



Training Data

- Datasets – how do we build a (huge) suitable data set?
- Data must be *labeled*

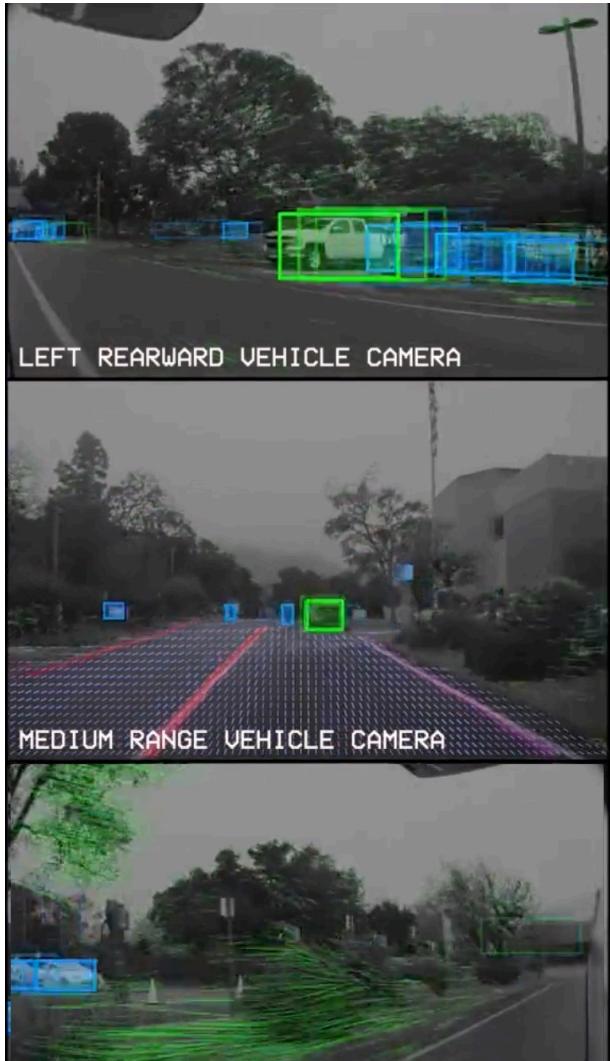


Challenges: Self Driving Cars



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Challenges: Self Driving Cars



Datasets – how do we build a (huge) suitable data set?

- Various environments
- Various weather conditions
- Various objects

“Edge cases”



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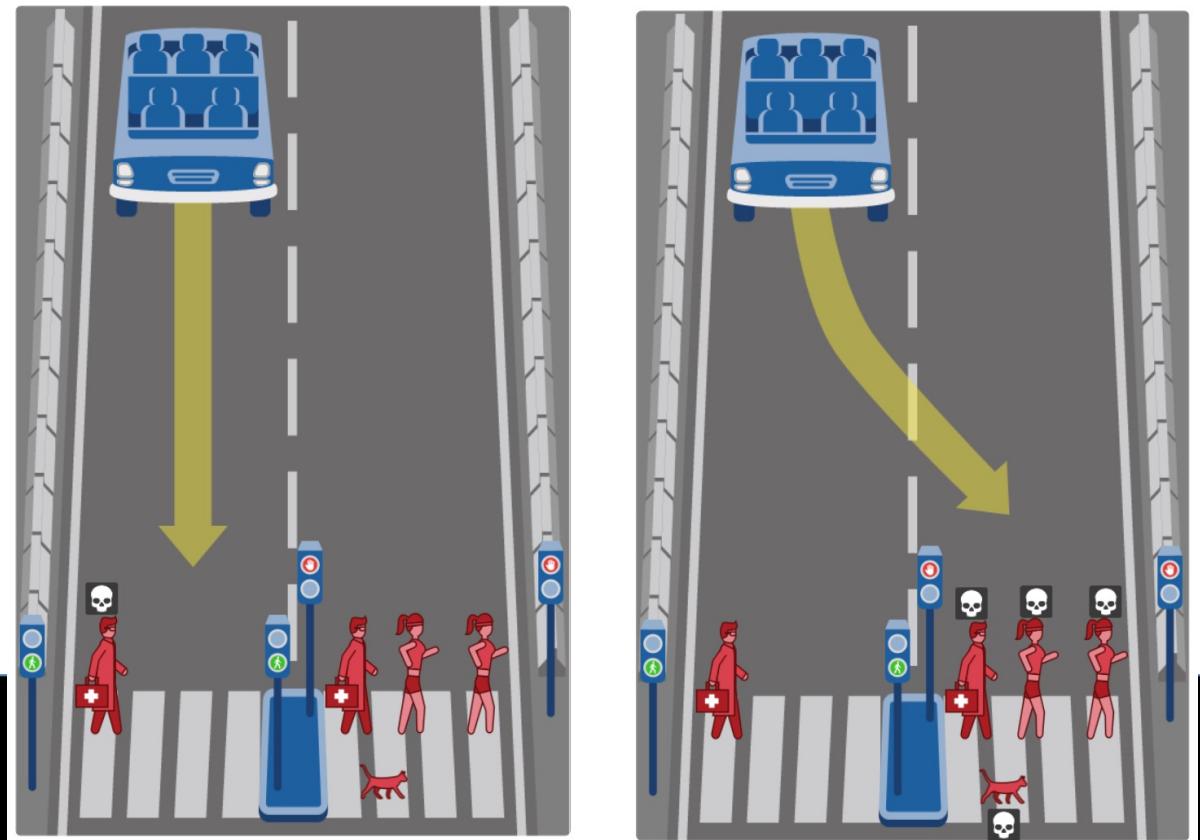
Other ethical implications

Datasets – how do we build a (huge) suitable data set?

- Novel situations where the algorithm can fail dangerously
- Pedestrian crossings
- Limited visibility

Should AI cars drive like humans?

What should the self-driving car do?



moralmachine.net



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