



Wie funktioniert autonomes Fahren?

Ein Einblick in reinforcement Learning

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Agenda



- ▶ AWS DeepRacer
 - ▶ Machine Learning
 - ▶ Reinforcement Learning
 - ▶ Lab
-

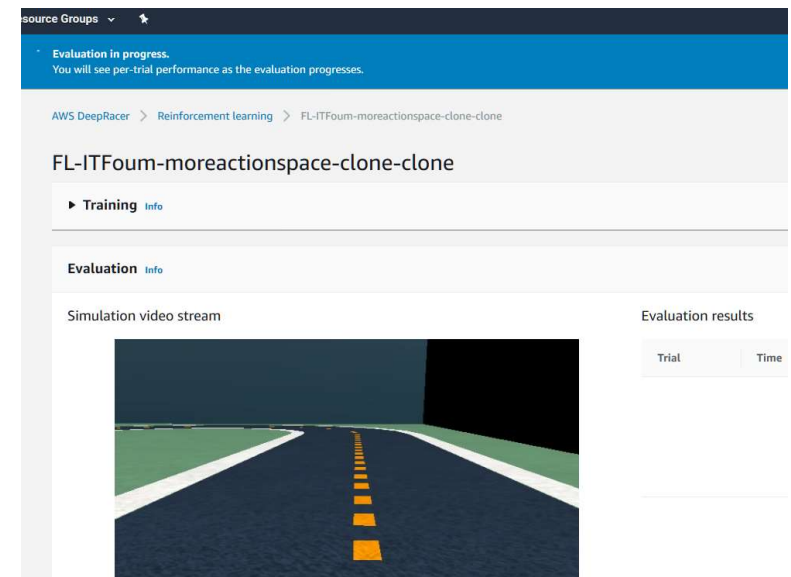
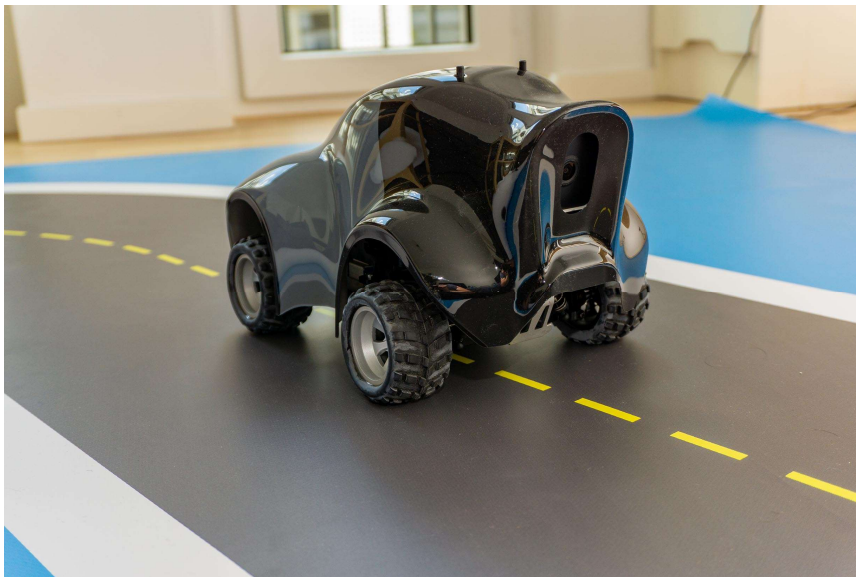
AWS DeepRacer

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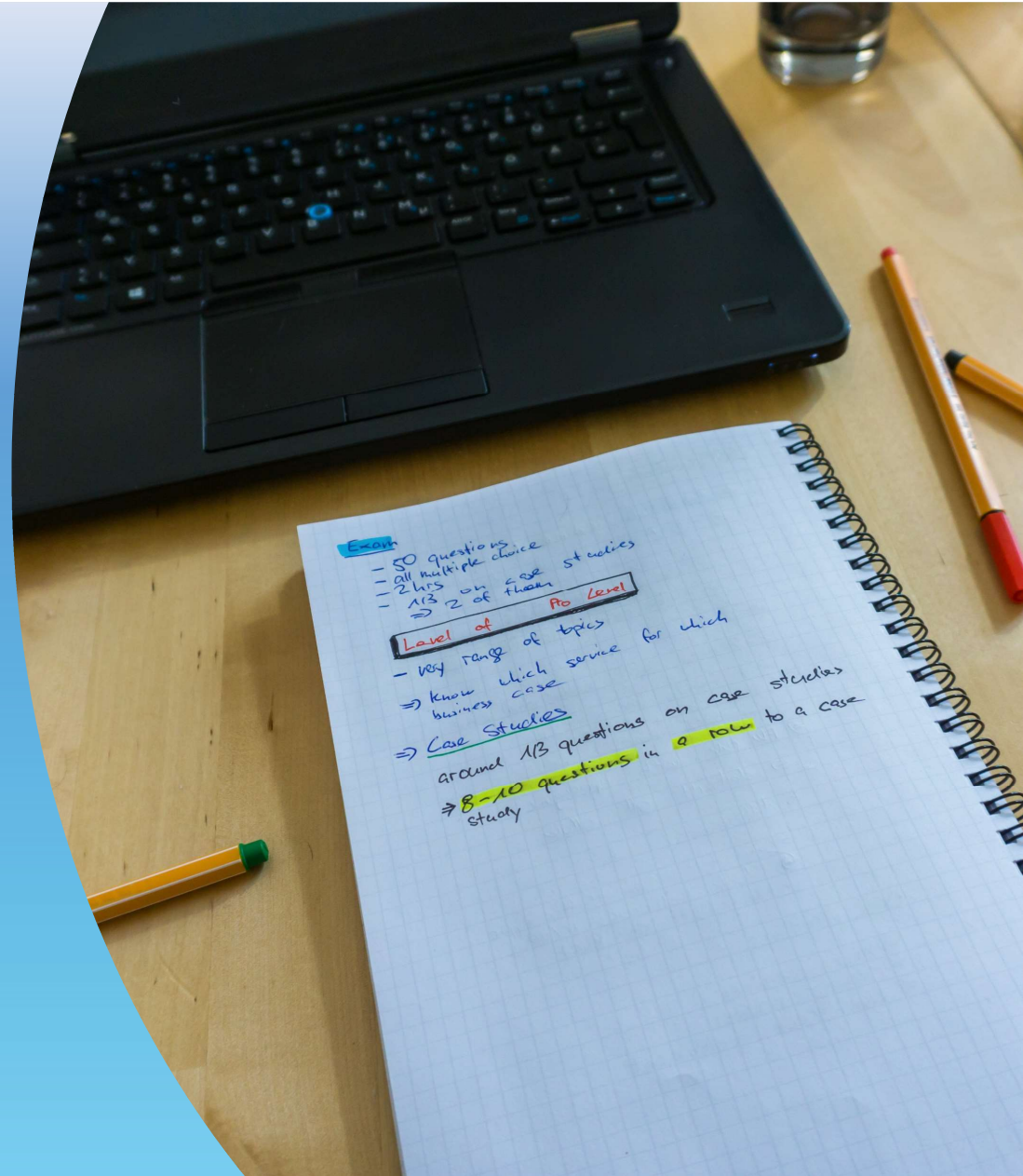


AWS DeepRacer

Das selbstfahrende Modellauto



Machine Learning *Methoden*



Exam

- 50 questions
- all multiple choice
- 2 hrs on case studies
- 13 on them
- ⇒ 2 of them

Level of Po Level

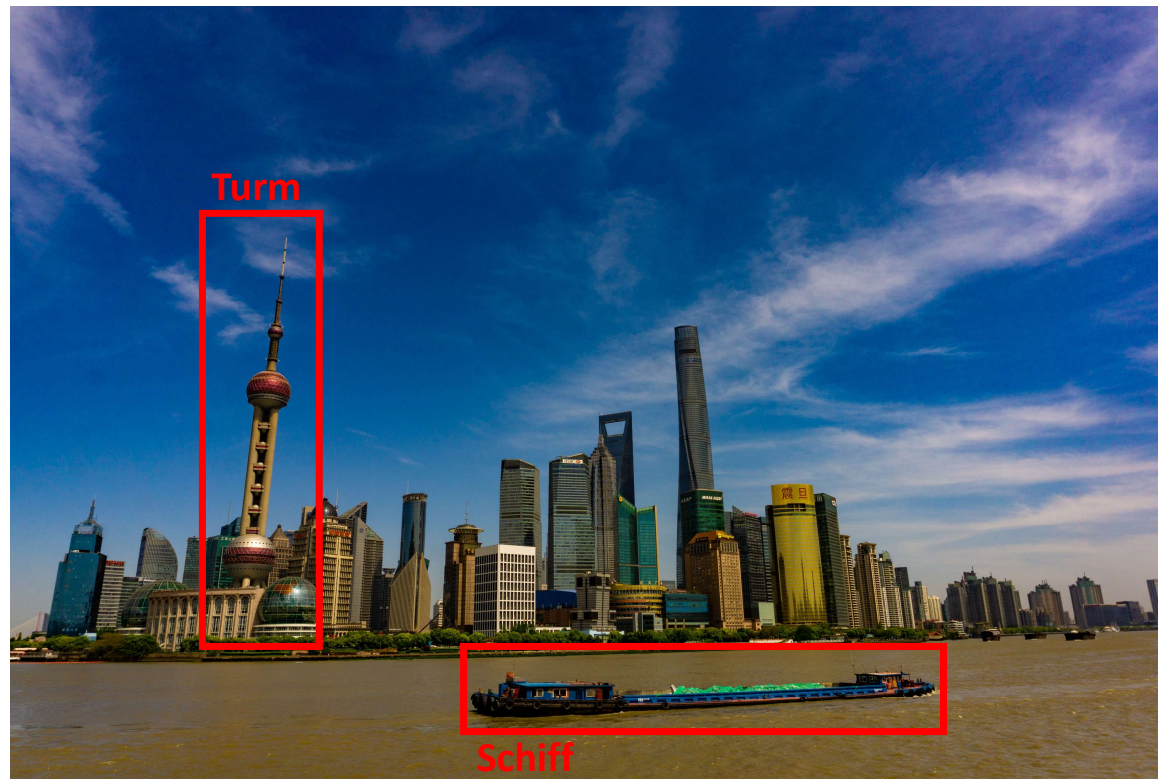
- very range of topics
- ⇒ know which service for which business case

Case Studies

- around 13 questions on case studies
- ⇒ 8-10 questions in a row to a case study

Machine Learning

Supervised Learning



Machine Learning

Unsupervised Learning



Bild Kunstaufräumen von Ursus Wehrli

Machine Learning

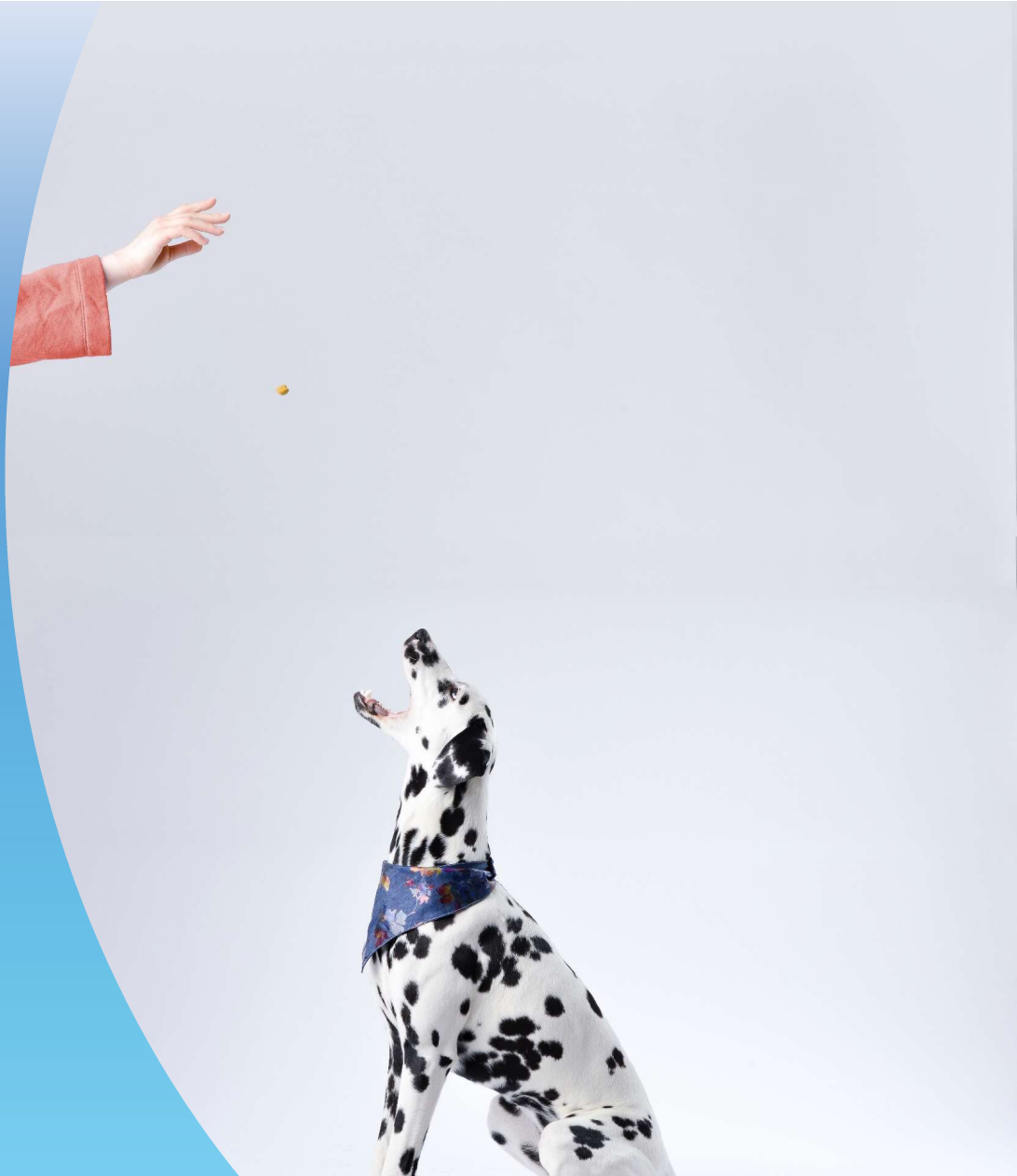
Reinforcement Learning



Reinforcement Learning

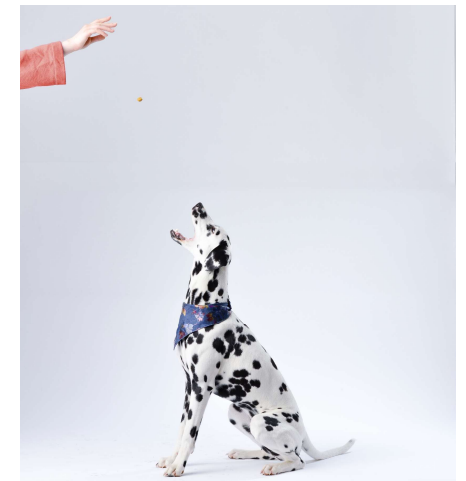
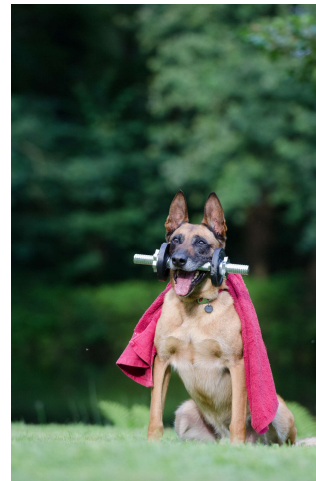
Reward Function

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Reward Function

Wenn Computer wie Hunde lernen



Lab



<https://bit.ly/2QhnL6g>

Training Time: 20 mins

Der Track

Wo wir den DeepRacer fahren lassen

