

# Deep Reinforcement Learning Beginners Tutorial Tasks

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June 23, 2019

## **1 Annotations**

Author: The person wrote the first version

Reviewer: The person reviewing. Checking and maintaining written text.

Note: Except for "Code", the objectives concern the written elaboration of the project.

Distribution of tasks			
Primary objective	Subtask	Author	Reviewer
Installation guide		Robin (R)	Julian (J)
Documentation		JR	JR
Adjustments		JR	JR
Poster		J	R
Stake out topic	Research technology	JR	JR
	Research RL theory	JR	JR
	Research code	JR	JR
Code	RL Agent	J	R
	OpenAi Gym	R	J
	Visualization	R	J
	Adjustments	JR	JR
DRL Beginners Tutorial(1) - Theory	Introduction	R	J
	Agents	R	J
	RL	J	R
	The concept of RL	J	R
	Summary	J	R
	Deep Learning Aspect	J	R
	Q-Learning	J	R
	Q-function	J	R
	Model Q-function	J	R
	Outlook	R	J
DRL Beginners Tutorial(2) - Practice	Introduction	R	J
	OpenAi Gym	R	J
	Install OpenAi Gym	R	J
	Introduction to cartpole	R	J
	Make epochs viewable	R	J
	OpenAi Gym and rendering	R	J
	Creating a RL Agent	J	R
	Important Configuration Values	R	J
	Exercise: Implementing the Agent	J	R
	Summary of the created Agent	J	R
	Initialize Agent	R	J
	Preparation for training	R	J
	Interact with Environment	R	J
	Expected Result	R	J
	Improvements	R	J
	Universal AI	R	J
	Outlook	R	J

Figure 1: Distribution of tasks