

# Weekly Report (5. 26–6. 01)

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## 1. Task Description

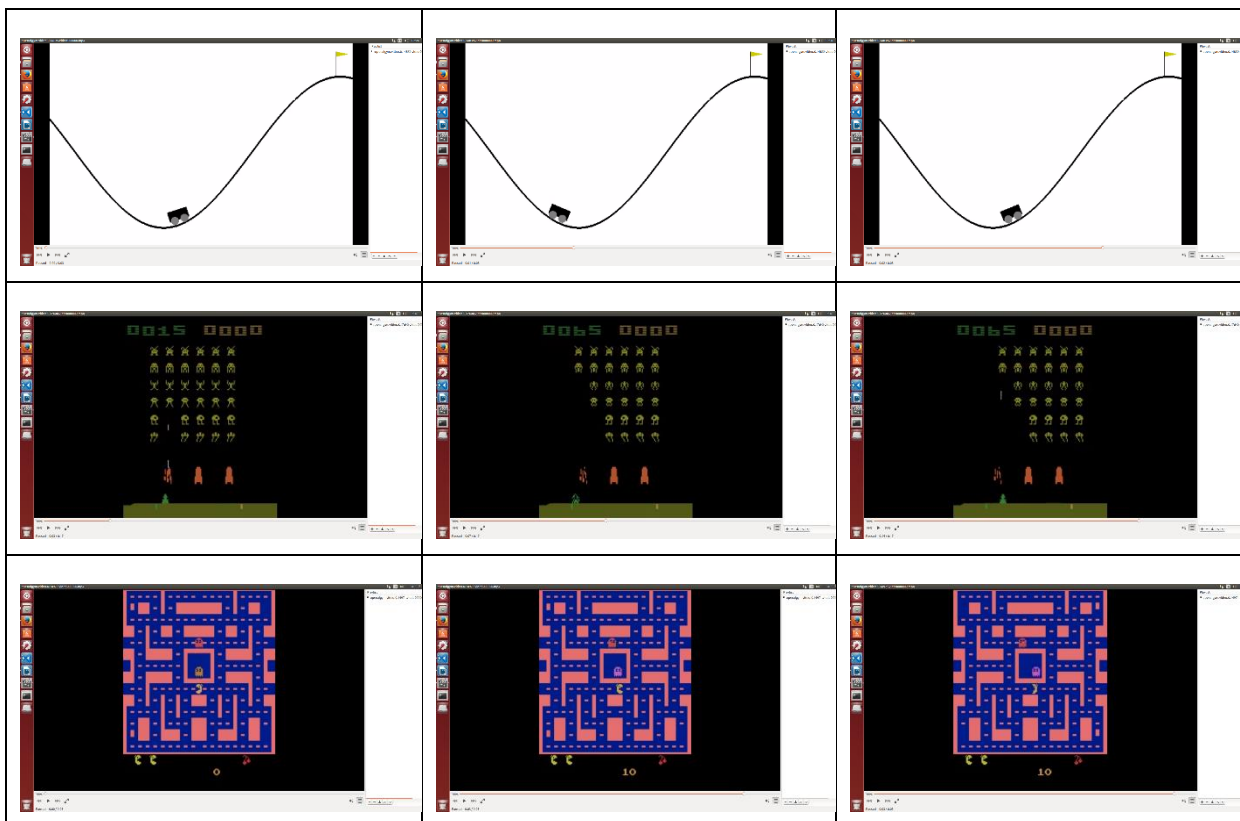
- Try openai gym project.
- Try openai universe project.

## 2. Task Progress

- Try openai gym project.

It is pretty straight forward to use the gym and make it run, since what we need is only a python environment in Linux platform (windows is not officially supported and can have some unpleasant results).

Some screenshots are listed below:

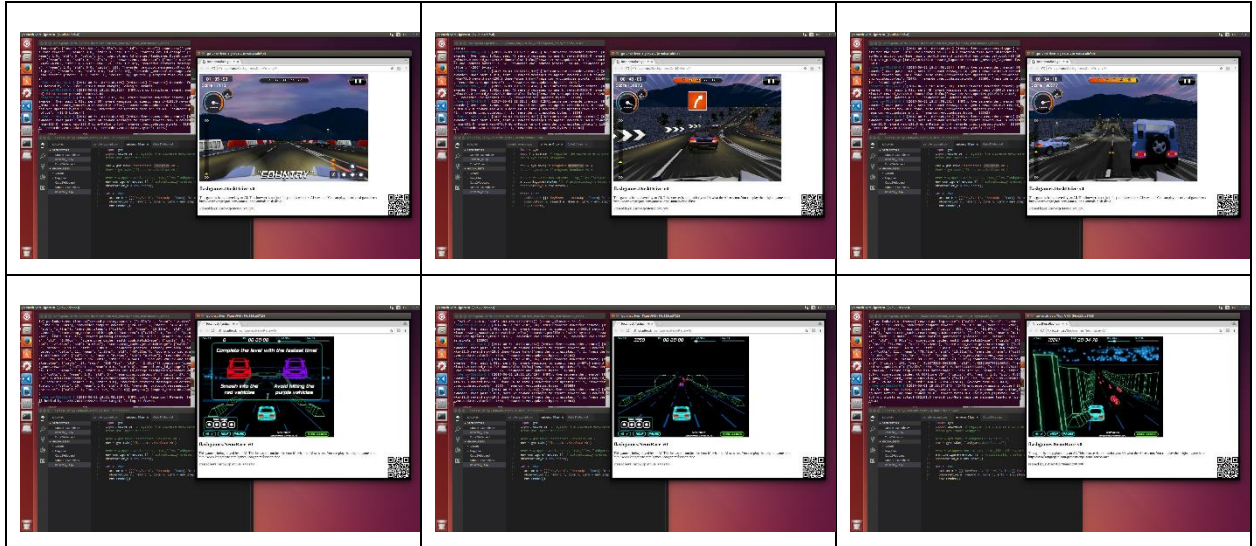


First row is MountainCar example, second is SpaceInvaders, while the last row is Pacman.

b) Try openai universe project

Compared with gym, this can be a little difficult, since it requires some additional tools, such as docker. However, it's can be done with patience and follow the instruction.

Some screenshots are listed below:



**First row is DuskDrive example, second is NeonRace, both of them are care racing games.**

### 3. Existed Main Problems and Solutions

This week's job is just to use the openai platform, and this is much more doable than last week's GTA V experiments. So no too much problems show up.

However, what the openai dose is somewhat more than my intension, I want to get data from the platform and do some other programming works on the dataset. While they are just providing a whole platform, not only the data, but also interfaces for users to upload their codes/algorithms and run in their environments and thus compete with each other and/or get benefit from all the participants.

### 4. Working Plan for Next Week

Like mentioned in part 3 and the fact that I failed to reproduce the GTA V experiments, so next week I will concentrate on the UnrealCV project, and get hundreds or thousands of images from it and do some DL experiments on them. And get prepared for the paper writing work.

## REFERENCES

Since most of my references are links on the internet, I just list the links instead of use the more official cite format.

- [1] MuJoCo, <http://www.mujoco.org/index.html>
- [2] OpenAI, <https://openai.com/>