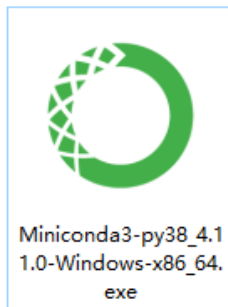


# Installation

1. Download Miniconda:

[https://repo.anaconda.com/miniconda/Miniconda3-py38\\_4.11.0-Windows-x86\\_64.exe](https://repo.anaconda.com/miniconda/Miniconda3-py38_4.11.0-Windows-x86_64.exe)

2. Double click the downloaded file and install it (you can change the installation path anywhere you prefer, no need to change other settings during installation):

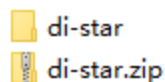


3. Download DI-star:

<https://drive.google.com/file/d/1Er3s0cDjLA5swDm0e4ZdRtVWGxVz8yAq/view?usp=sharing>

4. Unzip di-star.zip:

Now at your download directory, it should look like this:

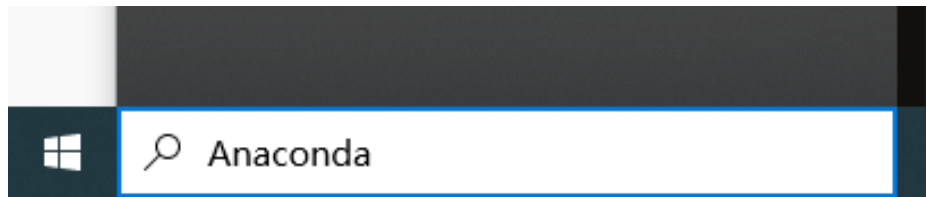


5. Download version 4.10.0 of Starcraft 2:

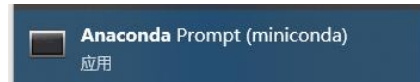
Open folder di-star, there is a replay\_4.10.0.SC2Replay, double click it, 4.10.0 will be downloaded automatically.

.idea	2022/3/29 14:47	文件夹	
distar	2022/3/20 15:09	文件夹	
distar.egg-info	2022/3/29 14:49	文件夹	
.gitignore	2022/2/23 18:43	文本文档	1 KB
LICENSE	2021/12/7 15:53	文件	12 KB
README.md	2022/3/2 19:51	MD 文件	7 KB
replay_4.10.0.SC2Replay	2019/8/17 11:20	SC2REPLAY 文件	66 KB
setup.py	2022/3/3 15:49	JetBrains PyChar...	4 KB

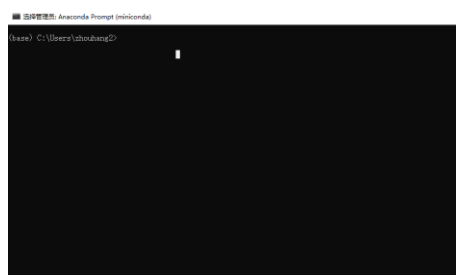
6. Type Anaconda in the search bar at the bottom left on your computer:



And you will find Anaconda Prompt (miniconda), Double click it



You will get this window, we call it a terminal:



7. Paste this in terminal:

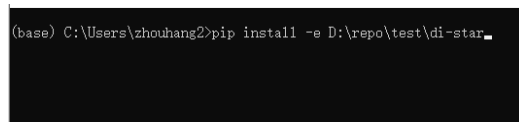
*conda install pytorch torchvision torchaudio cudatoolkit=11.3 -c pytorch*

press enter and wait for the process to complete

8. Type this in terminal first:

*pip install -e*

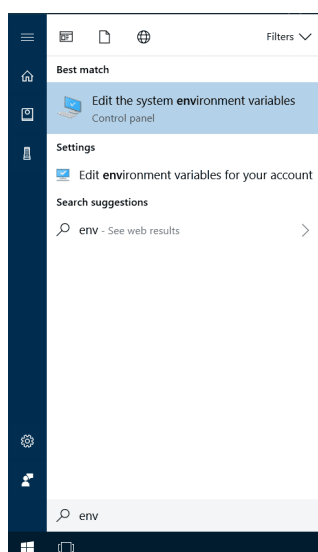
paste your path of di-star folder behind, mine is *D:\repo\test\di-star*, so it should look like this:



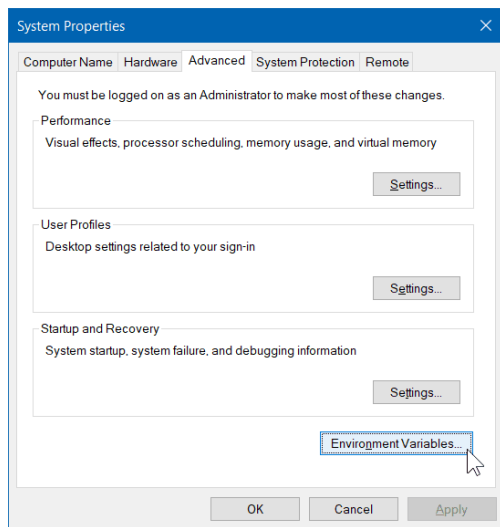
Press enter in the terminal and wait for the process to complete

9. Add your SC2 path to system environment:

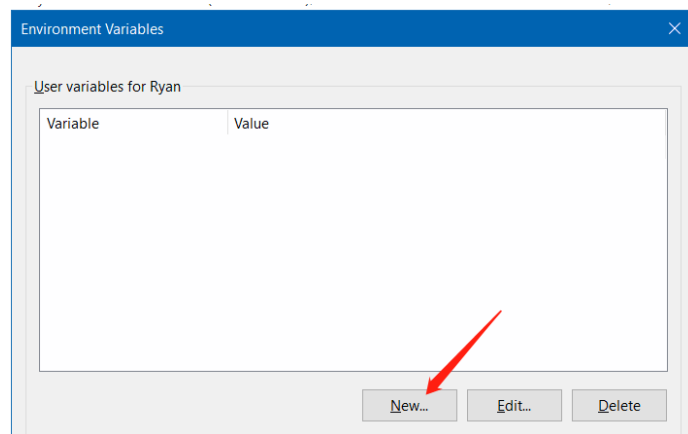
Search env in search bar



Click the "Environment Variables..." button

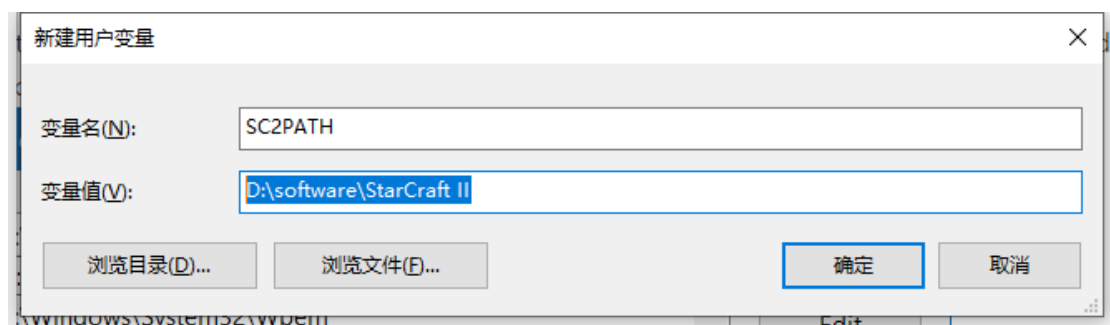


Click New



Input *SC2PATH* at variable name

Input your SC2 installation path at variable path (mine is *D:\software\StarCraft II*)



Click Ok

## Now it's all set, Let's play!

1. Play against AI:

Paste this in terminal:

```
python -m distar.bin.play
```

And press enter



```
管理员: Anaconda Prompt (miniconda)
(base) C:\Users\zhouhang2>python -m distar.bin.play
```

It will start 2 SC2 window, AI will play in the small one, you can play in the full screen one,

### Try different models:

We have four models prepared, they are:

**rl\_model**: used as default, have dozens of strategies.

**Abathur**、**Brakk**、**Dehaka**: Play only one style, but good at it.

You can specify model like this:

```
python -m distar.bin.play -model1 Abathur
```

or

```
python -m distar.bin.play -model1 Brakk
```

2. Watch AI play against each other:

```
python -m distar.bin.play -game_type agent_vs_agent
```

you can also specify models like this:

```
python -m distar.bin.play -game_type agent_vs_agent -model1 Abathur -model2 Dehaka
```

**Note: You can control model2's units, help it or make trouble!**

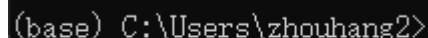
3. Watch AI play against cheat insane bot:

```
python -m distar.bin.play -game_type agent_vs_bot
```

## GL, HF!

Tips:

1. Replay will be saved at the path shown in your terminal:



```
(base) C:\Users\zhouhang2>
```

2. Hotkeys:

Go to documents folder on your computer and find folder Starcraft II, put your Hotkeys folder under it, then you can change hotkeys in game.

stableid.json	2022/3/29 15:29	JSON 文件	777 KB
Variables.txt	2022/3/29 15:28	文本文档	4 KB
ExecuteInfo.txt	2022/3/29 15:28	文本文档	1 KB
EditorVariables.txt	2022/3/16 15:57	文本文档	2 KB
Upia_147@5	2021/9/2 21:16	快捷方式	1 KB
GameLogs	2022/3/29 15:28	文件夹	
EditorBackup	2022/3/16 15:57	文件夹	
EditorLogs	2022/3/16 15:54	文件夹	
Maps	2022/3/16 15:49	文件夹	
Hotkeys	2022/1/6 19:39	文件夹	
Accounts	2021/9/2 21:16	文件夹	
ImageUploads	2021/9/2 21:16	文件夹	
Interfaces	2021/9/2 21:16	文件夹	
Replays	2021/8/18 15:22	文件夹	

