

## How to create a miniconda environment?

1. Install miniconda locally from <https://docs.conda.io/en/latest/miniconda.html>
2. Inside miniconda2/envs/ create a directory + a yml file. The dependencies should be written like in <https://anaconda.org/> and the name of the channels accordingly (sorted by preference). For example, when we search pandas, we may write in channels “conda-forge” and then “anaconda”, and in “dependencies” write “pandas”.



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You must login to search private packages

pandas

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----- shiran\_gpu.yml -----

name: shiran\_gpu

channels:

- conda-forge
- anaconda

dependencies:

- python=3.8
  - tensorflow-gpu
  - pandas
  - numpy
- 

3. Create conda environment:

```
conda env create -f miniconda3/envs/shiran_gpu/shiran_gpu.yml
```

4. To launch the environment (for running your scripts) – activate it:

```
conda activate shiran_gpu
```

5. In a job sh file, add the following lines before executing the command (e.g., python):

```
source ~/.bashrc
```

```
PATH="/groups/itay_mayrose/shiranabad/miniconda3/envs/snakemake/bin:$PATH"
```

6. When you need to update the environment (e.g., add modules), update the yml file and run:

```
conda env update -f miniconda3/envs/shiran_gpu/shiran_gpu.yml
```