

```
intern@dse-MS-7D09:~/Desktop$ # Download Miniconda installer for Linux
wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh
```

```
# Run the installer
```

```
bash Miniconda3-latest-Linux-x86_64.sh
```

```
--2025-06-09 09:47:12--
```

```
https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh
```

```
Resolving repo.anaconda.com (repo.anaconda.com)... 104.16.32.241, 104.16.191.158,
2606:4700::6810:20f1, ...
```

```
Connecting to repo.anaconda.com (repo.anaconda.com)|104.16.32.241|:443... connected.
```

```
HTTP request sent, awaiting response... 200 OK
```

```
Length: 155472915 (148M) [application/octet-stream]
```

```
Saving to: 'Miniconda3-latest-Linux-x86_64.sh'
```

```
Miniconda3-latest-Linux-x86_64.sh
```

```
100%[=====
=====>] 148.27M 32.7MB/s in 4.8s
```

```
2025-06-09 09:47:17 (31.2 MB/s) - 'Miniconda3-latest-Linux-x86_64.sh' saved
[155472915/155472915]
```

```
Welcome to Miniconda3 py313_25.3.1-1
```

```
In order to continue the installation process, please review the license
agreement.
```

```
Please, press ENTER to continue
```

```
>>>
```

```
MINICONDA END USER LICENSE AGREEMENT
```

```
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```

```
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```

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Do you accept the license terms? [yes|no]

>>>

Please answer 'yes' or 'no':

>>> y

Please answer 'yes' or 'no':

>>> yes

Miniconda3 will now be installed into this location:

/home/intern/miniconda3

- Press ENTER to confirm the location
- Press CTRL-C to abort the installation
- Or specify a different location below

[/home/intern/miniconda3] >>>

PREFIX=/home/intern/miniconda3

Unpacking payload ...

entry\_point.py:256: DeprecationWarning: Python 3.14 will, by default, filter extracted tar archives and reject files or modify their metadata. Use the filter argument to control this behavior.

entry\_point.py:256: DeprecationWarning: Python 3.14 will, by default, filter extracted tar archives and reject files or modify their metadata. Use the filter argument to control this behavior.

Installing base environment...

Downloading and Extracting Packages:

## Package Plan ##

environment location: /home/intern/miniconda3

added / updated specs:

- defaults/linux-64::\_libgcc\_mutex==0.1=main[md5=c3473ff8bdb3d124ed5ff11ec380d6f9]
- defaults/linux-64::\_openmp\_mutex==5.1=1\_gnu[md5=71d281e9c2192cb3fa425655a8defb85]
- defaults/linux-64::anaconda-anon-usage==0.7.0=py313hfc0e8ea\_101[md5=bdec2050c3bb2068d1d3f2c366c18007]
- defaults/linux-64::annotated-types==0.6.0=py313h06a4308\_0[md5=4dc276db59e14eaf187426b0040eb209]
- defaults/linux-64::boltons==24.1.0=py313h06a4308\_0[md5=fc8dcc37f16fbed6bae9d6950df53fe1]
- defaults/linux-64::brotli-python==1.0.9=py313h6a678d5\_9[md5=48f87f78b5774d723589e95ed14daafe]
- defaults/linux-64::bzip2==1.0.8=h5eee18b\_6[md5=f21a3ff51c1b271977f53ce956a69297]
- defaults/linux-64::c-ares==1.19.1=h5eee18b\_0[md5=6cfbce52273a1cb888821f18ceaa83c4]
- defaults/linux-64::ca-certificates==2025.2.25=h06a4308\_0[md5=495015d24da8ad929e3ae2d18571016d]
- defaults/linux-64::certifi==2025.4.26=py313h06a4308\_0[md5=d99fbc94185f7af92889b3647b2a9ae93]
- defaults/linux-64::cffi==1.17.1=py313h1fdaa30\_1[md5=c5d4f727e7bccd4bd8d599e049853383]
- defaults/linux-64::conda-anaconda-telemetry==0.1.2=py313h06a4308\_1[md5=2d1b1b3f339fb81ee8a55b778da10a25]
- defaults/linux-64::conda-anaconda-tos==0.1.3=py313h06a4308\_0[md5=292b4e57217459192247196131b3629d]

-  
defaults/linux-64::conda-content-trust==0.2.0=py313h06a4308\_1[md5=aefc551e21e13ecc1de44ee589aea77d]  
-  
defaults/linux-64::conda-package-handling==2.4.0=py313h06a4308\_0[md5=76b17c263bc01eaffebcb8ba7ccd6ca9]  
-  
defaults/linux-64::conda-package-streaming==0.11.0=py313h06a4308\_0[md5=b717717a2265676cc8c9c933c86ec7e1]  
-  
defaults/linux-64::conda==25.3.1=py313h06a4308\_0[md5=1fec0a366e7cf79efafa3ab1f4355f0e]  
-  
defaults/linux-64::cpp-expected==1.1.0=hdb19cb5\_0[md5=3a195bcf47b691adb4a635a8b7f396f7]  
-  
defaults/linux-64::cryptography==44.0.1=py313h7825ff9\_0[md5=64bfbcb84d532a460db6871fa117e75b3]  
-  
defaults/linux-64::distro==1.9.0=py313h06a4308\_0[md5=1fd7ab065e9958e7bbd4d3fbf175742b]  
-  
- defaults/linux-64::expat==2.7.1=h6a678d5\_0[md5=269942a9f3f943e2e5d8a2516a861f7c]  
- defaults/linux-64::fmt==9.1.0=hdb19cb5\_1[md5=4f12930203ff2d84df5d287af9b29858]  
-  
defaults/linux-64::frozendict==2.4.2=py313h06a4308\_0[md5=31f7036f9bdd3592e660ecfc631f054f]  
- defaults/linux-64::icu==73.1=h6a678d5\_0[md5=6d09df641fc23f7d277a04dc7ea32dd4]  
-  
defaults/linux-64::idna==3.7=py313h06a4308\_0[md5=f3e7d3ba37b45ef8782dd643d7e9733b]  
-  
defaults/linux-64::jsonpatch==1.33=py313h06a4308\_1[md5=8cb4b1755a4a8fd6a57883863236ef2b]  
- defaults/linux-64::krb5==1.20.1=h143b758\_1[md5=cf1accc86321fa25d6b978cc748039ae]  
-  
defaults/linux-64::ld\_impl\_linux-64==2.40=h12ee557\_0[md5=ee672b5f635340734f58d618b7bca024]  
-  
defaults/linux-64::libarchive==3.7.7=hfab0078\_0[md5=c208e4f83c30250d659102b271e8d4e6]  
-  
defaults/linux-64::libcurl==8.12.1=hc9e6f67\_0[md5=2904da5e450707a95d420b55b6b88d19]  
-  
defaults/linux-64::libedit==3.1.20230828=h5eee18b\_0[md5=850eb5a9d2d7d3c66cce12e84406ca08]  
- defaults/linux-64::libev==4.33=h7f8727e\_1[md5=5065620db4393fb549f30114a33897d1]  
- defaults/linux-64::libffi==3.4.4=h6a678d5\_1[md5=70646cc713f0c43926cfdcf9b695fe0]

-  
defaults/linux-64::libgcc-ng==11.2.0=h1234567\_1[md5=a87728dabf3151fb9cfa990bd2eb0464]  
-  
defaults/linux-64::libgomp==11.2.0=h1234567\_1[md5=b372c0eea9b60732fdae4b817a63c8cd]  
-  
defaults/linux-64::libmamba==2.0.5=haf1ee3a\_1[md5=0f1450592dc7555e315f5d684ce481eb]  
-  
defaults/linux-64::libmambapy==2.0.5=py313hdb19cb5\_1[md5=c56ed0c34af1a360984e20bf13200007]  
-  
defaults/linux-64::libmpdec==4.0.0=h5eee18b\_0[md5=feb10f42b1a7b523acbf85461be41a3e]  
-  
defaults/linux-64::libnghttp2==1.57.0=h2d74bed\_0[md5=674871621300f54e7ffc93e6e341638]  
-  
defaults/linux-64::libsolv==0.7.30=he621ea3\_1[md5=6918c29c4b65f21c71aac679b49c02e4]  
-  
defaults/linux-64::libssh2==1.11.1=h251f7ec\_0[md5=dd68c24355431c0543339dda1404129d]  
-  
defaults/linux-64::libstdcxx-ng==11.2.0=h1234567\_1[md5=57623d10a70e09e1d048c2b2b6f4e2dd]  
-  
defaults/linux-64::libuuid==1.41.5=h5eee18b\_0[md5=4a6a2354414c9080327274aa514e5299]  
- defaults/linux-64::libxml2==2.13.8=hfdd30dd\_0[md5=6da89b526f12f128af101c3f70d12c6d]  
- defaults/linux-64::lz4-c==1.9.4=h6a678d5\_1[md5=2ee58861f2b92b868ce761abb831819d]  
-  
defaults/linux-64::markdown-it-py==2.2.0=py313h06a4308\_1[md5=0c3ee40437213e528c99bff0bcc5a942]  
-  
defaults/linux-64::mdurl==0.1.0=py313h06a4308\_0[md5=5bca585008b9e6ce6997871309117479]  
-  
defaults/linux-64::menuinst==2.2.0=py313h06a4308\_1[md5=feb4995cd9f70c1925dcf18449ada963]  
- defaults/linux-64::ncurses==6.4=h6a678d5\_0[md5=5558eec6e2191741a92f832ea826251c]  
-  
defaults/linux-64::nlohmann\_json==3.11.2=h6a678d5\_0[md5=36890f7abd98066b607211b1773e6343]  
-  
defaults/linux-64::openssl==3.0.16=h5eee18b\_0[md5=5875526739afa058cfa84da1fa7a2ef4]  
-  
defaults/linux-64::packaging==24.2=py313h06a4308\_0[md5=b7961f58a4d39d20c51d6954e74340e8]  
- defaults/linux-64::pcre2==10.42=hebb0a14\_1[md5=727e15c3cfa02b032da4eb0c1123e977]

-  
defaults/linux-64::pip==25.0=py313h06a4308\_0[md5=cbe254aa48f8c0f980a12976e7571e0e]  
-  
defaults/linux-64::platformdirs==4.3.7=py313h06a4308\_0[md5=6cddb54f78166c07399004f961726487]  
-  
defaults/linux-64::pluggy==1.5.0=py313h06a4308\_0[md5=ea142d52281afe8e9a79e4a33c023e41]  
-  
defaults/linux-64::pycosat==0.6.6=py313h5eee18b\_2[md5=60ea7416e08d78563e31d16c333bd57f]  
-  
defaults/linux-64::pydantic-core==2.27.1=py313h4aa5aa6\_0[md5=3d619f57beecf895d3601d2ff21bfd9]  
-  
defaults/linux-64::pydantic==2.10.3=py313h06a4308\_0[md5=3e66cfc68bf5e244f7d983a37d52058f]  
-  
defaults/linux-64::pygments==2.19.1=py313h06a4308\_0[md5=8fcbba71964f3d4d936e846c3bc9fb13]  
-  
defaults/linux-64::pysocks==1.7.1=py313h06a4308\_0[md5=a493580ce366b942a8e1c00ee00c4182]  
-  
defaults/linux-64::python==3.13.2=hf623796\_100\_cp313[md5=bf836f30ac4c16fd3d71c1aaa25da08c]  
- defaults/linux-64::python\_abi==3.13=0\_cp313[md5=d4009c49dd2b54ffded7f1365b5f6505]  
- defaults/linux-64::readline==8.2=h5eee18b\_0[md5=be42180685cce6e6b0329201d9f48efb]  
-  
defaults/linux-64::reproc-cpp==14.2.4=h6a678d5\_2[md5=b03aa4903158279f003e7032ab9f5601]  
-  
defaults/linux-64::reproc==14.2.4=h6a678d5\_2[md5=3c6dbc6c60b3897222d79359343e90fa]  
-  
defaults/linux-64::requests==2.32.3=py313h06a4308\_1[md5=119859bcf1462b08bc8f8b672877eb85]  
-  
defaults/linux-64::rich==13.9.4=py313h06a4308\_0[md5=29573c0e57aea86c5d68759975638187]  
-  
defaults/linux-64::ruamel.yaml.clib==0.2.12=py313h5eee18b\_0[md5=d9da5a7327cd6c9ee11d7b7ac1b7d082]

-  
defaults/linux-64::ruamel.yaml==0.18.10=py313h5eee18b\_0[md5=70c6985c0871d511a94afb1e8537943f]  
-  
defaults/linux-64::setuptools==78.1.1=py313h06a4308\_0[md5=8f8e1c1e3af9d2d371aaa0ee8316ae7c]  
-  
defaults/linux-64::simdjson==3.10.1=hdb19cb5\_0[md5=7b2a4b5be590071e1b4dce77b413d26a]  
]  
-  
defaults/linux-64::spdlog==1.11.0=hdb19cb5\_0[md5=023cfe6341f1d90dee2016e608538537]  
- defaults/linux-64::sqlite==3.45.3=h5eee18b\_0[md5=acf93d6aceb74d6110e20b44cc45939e]  
- defaults/linux-64::tk==8.6.14=h39e8969\_0[md5=78dbc5e3c69143ebc037fc5d5b22e597]  
-  
defaults/linux-64::tqdm==4.67.1=py313h7040dfc\_0[md5=2efb4b3310f058cb95d326989bddc761]  
]  
-  
defaults/linux-64::truststore==0.10.0=py313h06a4308\_0[md5=ab3e76bdc25cd61781ea691d7ab8fc2c]  
-  
defaults/linux-64::typing-extensions==4.12.2=py313h06a4308\_0[md5=f011fee76cd912d47567c6cedb0074c9]  
-  
defaults/linux-64::typing\_extensions==4.12.2=py313h06a4308\_0[md5=e1a419944c11dc4592cdce114d0a3063]  
-  
defaults/linux-64::urllib3==2.3.0=py313h06a4308\_0[md5=293df67437af6ad722c9c7f2ddcf0e2c]  
-  
defaults/linux-64::wheel==0.45.1=py313h06a4308\_0[md5=29057e876eedce0e37c2388c138a19f9]  
- defaults/linux-64::xz==5.6.4=h5eee18b\_1[md5=3581505fa450962d631bd82b8616350e]  
-  
defaults/linux-64::yaml-cpp==0.8.0=h6a678d5\_1[md5=015d2d74ad3c8e53eec3358637433718]  
- defaults/linux-64::zlib==1.2.13=h5eee18b\_1[md5=92e42d8310108b0a440fb2e60b2b2a25]  
-  
defaults/linux-64::zstandard==0.23.0=py313h2c38b39\_1[md5=5b4bd26f9d674331122482d3c2ac0afe]  
- defaults/linux-64::zstd==1.5.6=hc292b87\_0[md5=78ae7abd3020b41f827b35085845e1b8]  
-  
defaults/noarch::archspec==0.2.3=pyhd3eb1b0\_0[md5=13d01ee2d343d8539bb47055a6c0b5b2]  
-  
defaults/noarch::charset-normalizer==3.3.2=pyhd3eb1b0\_0[md5=c6fea3691e85cf7f568b0618ec29fc4f]

```

-
defaults/noarch::conda-libmamba-solver==25.4.0=pyhd3eb1b0_0[md5=77ff27567894c7ea3eb9
08489e5d3e5c]
-
defaults/noarch::jsonpointer==2.1=pyhd3eb1b0_0[md5=298ff809e733cb04366e4e629c65aa8d]
- defaults/noarch::pybind11-abi==5=hd3eb1b0_0[md5=7f0df6639fdf60ccd3045ee6faedd32f]
-
defaults/noarch::pycparser==2.21=pyhd3eb1b0_0[md5=135a72ff2a31150a3a3ff0b1edd41ca9]
- defaults/noarch::tzdata==2025a=h04d1e81_0[md5=885caf42f821b98b3321dc4108511a3d]

```

The following NEW packages will be INSTALLED:

```

_libgcc_mutex      pkgs/main/linux-64::_libgcc_mutex-0.1-main
_openmp_mutex      pkgs/main/linux-64::_openmp_mutex-5.1-1_gnu
anaconda-anon-usa~ pkgs/main/linux-64::anaconda-anon-usage-0.7.0-py313hfc0e8ea_101
annotated-types    pkgs/main/linux-64::annotated-types-0.6.0-py313h06a4308_0
archspec          pkgs/main/noarch::archspec-0.2.3-pyhd3eb1b0_0
boltons            pkgs/main/linux-64::boltons-24.1.0-py313h06a4308_0
brotli-python      pkgs/main/linux-64::brotli-python-1.0.9-py313h6a678d5_9
bzip2              pkgs/main/linux-64::bzip2-1.0.8-h5eee18b_6
c-ares             pkgs/main/linux-64::c-ares-1.19.1-h5eee18b_0
ca-certificates    pkgs/main/linux-64::ca-certificates-2025.2.25-h06a4308_0
certifi            pkgs/main/linux-64::certifi-2025.4.26-py313h06a4308_0
cffi               pkgs/main/linux-64::cffi-1.17.1-py313h1fdaa30_1
charset-normalizer pkgs/main/noarch::charset-normalizer-3.3.2-pyhd3eb1b0_0
conda              pkgs/main/linux-64::conda-25.3.1-py313h06a4308_0
conda-anaconda-te~ pkgs/main/linux-64::conda-anaconda-telemetry-0.1.2-py313h06a4308_1
conda-anaconda-tos pkgs/main/linux-64::conda-anaconda-tos-0.1.3-py313h06a4308_0
conda-content-tru~ pkgs/main/linux-64::conda-content-trust-0.2.0-py313h06a4308_1
conda-libmamba-so~ pkgs/main/noarch::conda-libmamba-solver-25.4.0-pyhd3eb1b0_0
conda-package-han~ pkgs/main/linux-64::conda-package-handling-2.4.0-py313h06a4308_0
conda-package-str~ pkgs/main/linux-64::conda-package-streaming-0.11.0-py313h06a4308_0
cpp-expected       pkgs/main/linux-64::cpp-expected-1.1.0-hdb19cb5_0
cryptography       pkgs/main/linux-64::cryptography-44.0.1-py313h7825ff9_0
distro             pkgs/main/linux-64::distro-1.9.0-py313h06a4308_0
expat              pkgs/main/linux-64::expat-2.7.1-h6a678d5_0
fmt                pkgs/main/linux-64::fmt-9.1.0-hdb19cb5_1
frozendict         pkgs/main/linux-64::frozendict-2.4.2-py313h06a4308_0
icu                pkgs/main/linux-64::icu-73.1-h6a678d5_0
idna               pkgs/main/linux-64::idna-3.7-py313h06a4308_0
jsonpatch          pkgs/main/linux-64::jsonpatch-1.33-py313h06a4308_1
jsonpointer        pkgs/main/noarch::jsonpointer-2.1-pyhd3eb1b0_0
krb5               pkgs/main/linux-64::krb5-1.20.1-h143b758_1

```



ld\_impl\_linux-64 pkgs/main/linux-64::ld\_impl\_linux-64-2.40-h12ee557\_0  
libarchive pkgs/main/linux-64::libarchive-3.7.7-hfab0078\_0  
libcurl pkgs/main/linux-64::libcurl-8.12.1-hc9e6f67\_0  
libedit pkgs/main/linux-64::libedit-3.1.20230828-h5eee18b\_0  
libev pkgs/main/linux-64::libev-4.33-h7f8727e\_1  
libffi pkgs/main/linux-64::libffi-3.4.4-h6a678d5\_1  
libgcc-ng pkgs/main/linux-64::libgcc-ng-11.2.0-h1234567\_1  
libgomp pkgs/main/linux-64::libgomp-11.2.0-h1234567\_1  
libmamba pkgs/main/linux-64::libmamba-2.0.5-haf1ee3a\_1  
libmambapy pkgs/main/linux-64::libmambapy-2.0.5-py313hdb19cb5\_1  
libmpdec pkgs/main/linux-64::libmpdec-4.0.0-h5eee18b\_0  
libnghttp2 pkgs/main/linux-64::libnghttp2-1.57.0-h2d74bed\_0  
libsolv pkgs/main/linux-64::libsolv-0.7.30-he621ea3\_1  
libssh2 pkgs/main/linux-64::libssh2-1.11.1-h251f7ec\_0  
libstdcxx-ng pkgs/main/linux-64::libstdcxx-ng-11.2.0-h1234567\_1  
libuuid pkgs/main/linux-64::libuuid-1.41.5-h5eee18b\_0  
libxml2 pkgs/main/linux-64::libxml2-2.13.8-hfdd30dd\_0  
lz4-c pkgs/main/linux-64::lz4-c-1.9.4-h6a678d5\_1  
markdown-it-py pkgs/main/linux-64::markdown-it-py-2.2.0-py313h06a4308\_1  
mdurl pkgs/main/linux-64::mdurl-0.1.0-py313h06a4308\_0  
menuinst pkgs/main/linux-64::menuinst-2.2.0-py313h06a4308\_1  
ncurses pkgs/main/linux-64::ncurses-6.4-h6a678d5\_0  
nlohmann\_json pkgs/main/linux-64::nlohmann\_json-3.11.2-h6a678d5\_0  
openssl pkgs/main/linux-64::openssl-3.0.16-h5eee18b\_0  
packaging pkgs/main/linux-64::packaging-24.2-py313h06a4308\_0  
pcre2 pkgs/main/linux-64::pcre2-10.42-hebb0a14\_1  
pip pkgs/main/linux-64::pip-25.0-py313h06a4308\_0  
platformdirs pkgs/main/linux-64::platformdirs-4.3.7-py313h06a4308\_0  
pluggy pkgs/main/linux-64::pluggy-1.5.0-py313h06a4308\_0  
pybind11-abi pkgs/main/noarch::pybind11-abi-5-hd3eb1b0\_0  
pycosat pkgs/main/linux-64::pycosat-0.6.6-py313h5eee18b\_2  
pycparser pkgs/main/noarch::pycparser-2.21-pyhd3eb1b0\_0  
pydantic pkgs/main/linux-64::pydantic-2.10.3-py313h06a4308\_0  
pydantic-core pkgs/main/linux-64::pydantic-core-2.27.1-py313h4aa5aa6\_0  
pygments pkgs/main/linux-64::pygments-2.19.1-py313h06a4308\_0  
pysocks pkgs/main/linux-64::pysocks-1.7.1-py313h06a4308\_0  
python pkgs/main/linux-64::python-3.13.2-hf623796\_100\_cp313  
python\_abi pkgs/main/linux-64::python\_abi-3.13-0\_cp313  
readline pkgs/main/linux-64::readline-8.2-h5eee18b\_0  
reproc pkgs/main/linux-64::reproc-14.2.4-h6a678d5\_2  
reproc-cpp pkgs/main/linux-64::reproc-cpp-14.2.4-h6a678d5\_2  
requests pkgs/main/linux-64::requests-2.32.3-py313h06a4308\_1  
rich pkgs/main/linux-64::rich-13.9.4-py313h06a4308\_0  
ruamel.yaml pkgs/main/linux-64::ruamel.yaml-0.18.10-py313h5eee18b\_0

```

ruamel.yaml.clib pkgs/main/linux-64::ruamel.yaml.clib-0.2.12-py313h5eee18b_0
setuptools       pkgs/main/linux-64::setuptools-78.1.1-py313h06a4308_0
simdjson         pkgs/main/linux-64::simdjson-3.10.1-hdb19cb5_0
spdlog           pkgs/main/linux-64::spdlog-1.11.0-hdb19cb5_0
sqlite           pkgs/main/linux-64::sqlite-3.45.3-h5eee18b_0
tk               pkgs/main/linux-64::tk-8.6.14-h39e8969_0
tqdm             pkgs/main/linux-64::tqdm-4.67.1-py313h7040dfc_0
truststore       pkgs/main/linux-64::truststore-0.10.0-py313h06a4308_0
typing-extensions pkgs/main/linux-64::typing-extensions-4.12.2-py313h06a4308_0
typing_extensions pkgs/main/linux-64::typing_extensions-4.12.2-py313h06a4308_0
tzdata           pkgs/main/noarch::tzdata-2025a-h04d1e81_0
urllib3          pkgs/main/linux-64::urllib3-2.3.0-py313h06a4308_0
wheel            pkgs/main/linux-64::wheel-0.45.1-py313h06a4308_0
xz               pkgs/main/linux-64::xz-5.6.4-h5eee18b_1
yaml-cpp         pkgs/main/linux-64::yaml-cpp-0.8.0-h6a678d5_1
zlib             pkgs/main/linux-64::zlib-1.2.13-h5eee18b_1
zstandard        pkgs/main/linux-64::zstandard-0.23.0-py313h2c38b39_1
zstd             pkgs/main/linux-64::zstd-1.5.6-hc292b87_0

```

## Downloading and Extracting Packages:

Preparing transaction: done

Executing transaction: done

entry\_point.py:256: DeprecationWarning: Python 3.14 will, by default, filter extracted tar archives and reject files or modify their metadata. Use the filter argument to control this behavior.

installation finished.

WARNING:

You currently have a PYTHONPATH environment variable set. This may cause unexpected behavior when running the Python interpreter in Miniconda3.

For best results, please verify that your PYTHONPATH only points to directories of packages that are compatible with the Python interpreter in Miniconda3: /home/intern/miniconda3

Do you wish to update your shell profile to automatically initialize conda?

This will activate conda on startup and change the command prompt when activated.

If you'd prefer that conda's base environment not be activated on startup, run the following command when conda is activated:

```
conda config --set auto_activate_base false
```

You can undo this by running `conda init --reverse \$SHELL`? [yes|no]

[no] >>> yes

```
no change /home/intern/miniconda3/condabin/conda
no change /home/intern/miniconda3/bin/conda
no change /home/intern/miniconda3/bin/conda-env
no change /home/intern/miniconda3/bin/activate
no change /home/intern/miniconda3/bin/deactivate
no change /home/intern/miniconda3/etc/profile.d/conda.sh
no change /home/intern/miniconda3/etc/fish/conf.d/conda.fish
no change /home/intern/miniconda3/shell/condabin/Conda.psm1
no change /home/intern/miniconda3/shell/condabin/conda-hook.ps1
no change /home/intern/miniconda3/lib/python3.13/site-packages/xontrib/conda.xsh
no change /home/intern/miniconda3/etc/profile.d/conda.csh
modified /home/intern/.bashrc
```

==> For changes to take effect, close and re-open your current shell. <==

Thank you for installing Miniconda3!

```
intern@dse-MS-7D09:~/Desktop$ source ~/.bashrc
(base) intern@dse-MS-7D09:~/Desktop$ conda info --envs
```

# conda environments:

#

```
base          * /home/intern/miniconda3
```

```
(base) intern@dse-MS-7D09:~/Desktop$ git clone
https://github.com/facebookresearch/sonata.git
```

Cloning into 'sonata'...

remote: Enumerating objects: 68, done.

remote: Counting objects: 100% (68/68), done.

remote: Compressing objects: 100% (50/50), done.

remote: Total 68 (delta 28), reused 54 (delta 18), pack-reused 0 (from 0)

Receiving objects: 100% (68/68), 1.86 MiB | 8.22 MiB/s, done.

Resolving deltas: 100% (28/28), done.

```
(base) intern@dse-MS-7D09:~/Desktop$ cd sonata
```

```
(base) intern@dse-MS-7D09:~/Desktop/sonata$ conda env create -f environment.yml --verbose
```

Channels:

- pytorch
- nvidia/label/cuda-12.4.1
- nvidia
- conda-forge
- defaults

Platform: linux-64

Collecting package metadata (repodata.json): done

Solving environment: done

==> WARNING: A newer version of conda exists. <==  
current version: 25.3.1  
latest version: 25.5.1

Please update conda by running

```
$ conda update -n base -c defaults conda
```

Preparing transaction: done

Verifying transaction: done

Executing transaction: done

Installing pip dependencies: - Ran pip subprocess with arguments:

```
['/home/intern/miniconda3/envs/sonata/bin/python', '-m', 'pip', 'install', '-U', '-r',  
'/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt', '--exists-action=b']
```

Pip subprocess output:

Collecting git+https://github.com/Dao-AILab/flash-attention.git (from -r

/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 2))

Cloning https://github.com/Dao-AILab/flash-attention.git to /tmp/pip-req-build-6ystoz8c

Resolved https://github.com/Dao-AILab/flash-attention.git to commit

69133f8aba8bfff1fd48d73ca40eb6424c369e

Preparing metadata (setup.py): started

Preparing metadata (setup.py): finished with status 'done'

Collecting torch-scatter (from -r

/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 1))

Downloading torch\_scatter-2.1.2.tar.gz (108 kB)

Preparing metadata (setup.py): started

Preparing metadata (setup.py): finished with status 'done'

Collecting spconv-cu124 (from -r

/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3))

Downloading spconv\_cu124-2.3.8-cp310-cp310-manylinux\_2\_28\_x86\_64.whl.metadata (12 kB)

Requirement already satisfied: torch in

/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from

flash\_attn==2.7.4.post1->-r /home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 2)) (2.5.0)

Collecting einops (from flash\_attn==2.7.4.post1->-r

/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 2))

Downloading einops-0.8.1-py3-none-any.whl.metadata (13 kB)

Collecting pccm>=0.4.16 (from spconv-cu124->-r

/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3))

Downloading pccm-0.4.16-py3-none-any.whl.metadata (1.1 kB)

Collecting ccimport>=0.4.4 (from spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3))  
 Downloading ccimport-0.4.4-py3-none-any.whl.metadata (1.4 kB)  
Collecting pybind11>=2.6.0 (from spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3))  
 Downloading pybind11-2.13.6-py3-none-any.whl.metadata (9.5 kB)  
Collecting fire (from spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3))  
 Downloading fire-0.7.0.tar.gz (87 kB)  
 Preparing metadata (setup.py): started  
 Preparing metadata (setup.py): finished with status 'done'  
Requirement already satisfied: numpy in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3)) (1.26.4)  
Collecting cumm-cu124<0.8.0,>=0.7.11 (from spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3))  
 Downloading cumm\_cu124-0.7.11-cp310-cp310-manylinux\_2\_28\_x86\_64.whl.metadata (6.2  
kB)  
Requirement already satisfied: sympy in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
cumm-cu124<0.8.0,>=0.7.11->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3)) (1.14.0)  
Collecting ninja (from ccimport>=0.4.4->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3))  
 Using cached  
ninja-1.11.1.4-py3-none-manylinux\_2\_12\_x86\_64.manylinux2010\_x86\_64.whl.metadata (5.0  
kB)  
Requirement already satisfied: requests in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
ccimport>=0.4.4->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3)) (2.32.3)  
Collecting lark>=1.0.0 (from pccm>=0.4.16->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3))  
 Downloading lark-1.2.2-py3-none-any.whl.metadata (1.8 kB)  
Collecting portalocker>=2.3.2 (from pccm>=0.4.16->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3))  
 Downloading portalocker-3.1.1-py3-none-any.whl.metadata (8.6 kB)  
Collecting termcolor (from fire->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3))  
 Downloading termcolor-3.1.0-py3-none-any.whl.metadata (6.4 kB)  
Requirement already satisfied: charset\_normalizer<4,>=2 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->ccimport>=0.4.4->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3)) (3.4.2)

Requirement already satisfied: idna<4,>=2.5 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->ccimport>=0.4.4->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3)) (3.10)

Requirement already satisfied: urllib3<3,>=1.21.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->ccimport>=0.4.4->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3)) (2.4.0)

Requirement already satisfied: certifi>=2017.4.17 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->ccimport>=0.4.4->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3)) (2025.4.26)

Requirement already satisfied: mpmath<1.4,>=1.1.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
sympy->cumm-cu124<0.8.0,>=0.7.11->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3)) (1.3.0)

Requirement already satisfied: filelock in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->flash\_attn==2.7.4.post1->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 2)) (3.18.0)

Requirement already satisfied: typing-extensions>=4.8.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->flash\_attn==2.7.4.post1->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 2)) (4.14.0)

Requirement already satisfied: networkx in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->flash\_attn==2.7.4.post1->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 2)) (3.4.2)

Requirement already satisfied: jinja2 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->flash\_attn==2.7.4.post1->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 2)) (3.1.6)

Requirement already satisfied: fsspec in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->flash\_attn==2.7.4.post1->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 2)) (2025.5.1)

Collecting sympy (from cumm-cu124<0.8.0,>=0.7.11->spconv-cu124->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 3))  
 Downloading sympy-1.13.1-py3-none-any.whl.metadata (12 kB)

Requirement already satisfied: MarkupSafe>=2.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
jinja2->torch->flash\_attn==2.7.4.post1->-r  
/home/intern/Desktop/sonata/condaenv.sjz5ascj.requirements.txt (line 2)) (3.0.2)

Downloading spconv\_cu124-2.3.8-cp310-cp310-manylinux\_2\_28\_x86\_64.whl (70.0 MB)

---

70.0/70.0 MB 1.9 MB/s eta 0:00:00

Downloading cumm\_cu124-0.7.11-cp310-cp310-manylinux\_2\_28\_x86\_64.whl (27.6 MB)

---

27.6/27.6 MB 2.0 MB/s eta 0:00:00

Downloading ccimport-0.4.4-py3-none-any.whl (27 kB)

Downloading pccm-0.4.16-py3-none-any.whl (73 kB)

Downloading lark-1.2.2-py3-none-any.whl (111 kB)

Downloading portalocker-3.1.1-py3-none-any.whl (19 kB)

Downloading pybind11-2.13.6-py3-none-any.whl (243 kB)

Downloading einops-0.8.1-py3-none-any.whl (64 kB)

Using cached ninja-1.11.1.4-py3-none-manylinux\_2\_12\_x86\_64.manylinux2010\_x86\_64.whl (422 kB)

Downloading termcolor-3.1.0-py3-none-any.whl (7.7 kB)

Downloading sympy-1.13.1-py3-none-any.whl (6.2 MB)

---

6.2/6.2 MB 2.4 MB/s eta 0:00:00

Building wheels for collected packages: flash\_attn, torch-scatter, fire

Building wheel for flash\_attn (setup.py): started

Building wheel for flash\_attn (setup.py): finished with status 'done'

Created wheel for flash\_attn: filename=flash\_attn-2.7.4.post1-cp310-cp310-linux\_x86\_64.whl  
size=187797312

sha256=b267f80a08e516292cdd748056a2178a45b8abedf7fca123292eb17c21c8c87c

Stored in directory:

/tmp/pip-ephem-wheel-cache-f\_7lbdxb/wheels/a8/ca/4d/8b0a51679d0da007afdace79913298f7c  
3b4a8cc3a75dedb23

Building wheel for torch-scatter (setup.py): started

Building wheel for torch-scatter (setup.py): still running...

Building wheel for torch-scatter (setup.py): still running...

Building wheel for torch-scatter (setup.py): still running...

Building wheel for torch-scatter (setup.py): still running...

Building wheel for torch-scatter (setup.py): finished with status 'done'

Created wheel for torch-scatter: filename=torch\_scatter-2.1.2-cp310-cp310-linux\_x86\_64.whl  
size=3646824

sha256=a98766bc88304710cb92114d9a4113f985241b6e12c454ea04a9390764b37b49

Stored in directory:

/home/intern/.cache/pip/wheels/92/f1/2b/3b46d54b134259f58c8363568569053248040859b1a1  
45b3ce

Building wheel for fire (setup.py): started

Building wheel for fire (setup.py): finished with status 'done'

Created wheel for fire: filename=fire-0.7.0-py3-none-any.whl size=114330  
sha256=594357748c76331c1158b1d485fb078118e1db7247501a75cbbd45d2960e59c5

Stored in directory:  
/home/intern/.cache/pip/wheels/19/39/2f/2d3cad408a8804103f1c34ddd4b9f6a93497b11fa96fe738e

Successfully built flash\_attn torch-scatter fire

Installing collected packages: torch-scatter, termcolor, sympy, pybind11, portalocker, ninja, lark, einops, fire, ccimport, pccm, flash\_attn, cumm-cu124, spconv-cu124

Attempting uninstall: sympy

Found existing installation: sympy 1.14.0

Uninstalling sympy-1.14.0:

Successfully uninstalled sympy-1.14.0

Successfully installed ccimport-0.4.4 cumm-cu124-0.7.11 einops-0.8.1 fire-0.7.0

flash\_attn-2.7.4.post1 lark-1.2.2 ninja-1.11.1.4 pccm-0.4.16 portalocker-3.1.1 pybind11-2.13.6  
spconv-cu124-2.3.8 sympy-1.13.1 termcolor-3.1.0 torch-scatter-2.1.2

done

#

# To activate this environment, use

#

# \$ conda activate sonata

#

# To deactivate an active environment, use

#

# \$ conda deactivate

(base) intern@dse-MS-7D09:~/Desktop/sonata\$ conda activate sonata

(sonata) intern@dse-MS-7D09:~/Desktop/sonata\$ # Ensure Cuda and Pytorch are already  
installed in your local environment

# CUDA\_VERSION: cuda version of local environment (e.g., 124), check by running 'nvcc  
--version'

# TORCH\_VERSION: torch version of local environment (e.g., 2.5.0), check by running 'python  
-c "import torch; print(torch.\_\_version\_\_)"

pip install spconv-cu\${CUDA\_VERSION}

pip install torch-scatter -f

[https://data.pyg.org/whl/torch-{TORCH\\_VERSION}+cu\\${CUDA\\_VERSION}.html](https://data.pyg.org/whl/torch-{TORCH_VERSION}+cu${CUDA_VERSION}.html)

pip install git+https://github.com/Dao-AI-Lab/flash-attention.git

pip install huggingface\_hub timm

# (optional, or directly copy the sonata folder to your project)

python setup.py install

ERROR: Could not find a version that satisfies the requirement spconv-cu (from versions: none)

ERROR: No matching distribution found for spconv-cu

Looking in links: [https://data.pyg.org/whl/torch-{TORCH\\_VERSION}+cu.html](https://data.pyg.org/whl/torch-{TORCH_VERSION}+cu.html)



Requirement already satisfied: torch-scatter in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (2.1.2)  
Collecting git+https://github.com/Dao-AILab/flash-attention.git  
Cloning https://github.com/Dao-AILab/flash-attention.git to /tmp/pip-req-build-rzochf63  
Running command git clone --filter=blob:none --quiet  
https://github.com/Dao-AILab/flash-attention.git /tmp/pip-req-build-rzochf63  
Resolved https://github.com/Dao-AILab/flash-attention.git to commit  
69133f8aba8bfff1fd48d73ca40ebeb6424c369e  
Running command git submodule update --init --recursive -q  
Preparing metadata (setup.py) ... done  
Requirement already satisfied: torch in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
flash\_attn==2.7.4.post1) (2.5.0)  
Requirement already satisfied: einops in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
flash\_attn==2.7.4.post1) (0.8.1)  
Requirement already satisfied: filelock in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->flash\_attn==2.7.4.post1) (3.18.0)  
Requirement already satisfied: typing-extensions>=4.8.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->flash\_attn==2.7.4.post1) (4.14.0)  
Requirement already satisfied: networkx in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->flash\_attn==2.7.4.post1) (3.4.2)  
Requirement already satisfied: jinja2 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->flash\_attn==2.7.4.post1) (3.1.6)  
Requirement already satisfied: fsspec in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->flash\_attn==2.7.4.post1) (2025.5.1)  
Requirement already satisfied: sympy==1.13.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->flash\_attn==2.7.4.post1) (1.13.1)  
Requirement already satisfied: mpmath<1.4,>=1.1.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
sympy==1.13.1->torch->flash\_attn==2.7.4.post1) (1.3.0)  
Requirement already satisfied: MarkupSafe>=2.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
jinja2->torch->flash\_attn==2.7.4.post1) (3.0.2)  
Requirement already satisfied: huggingface\_hub in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (0.32.4)  
Requirement already satisfied: timm in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (1.0.15)

Requirement already satisfied: filelock in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from huggingface\_hub)  
(3.18.0)

Requirement already satisfied: fsspec>=2023.5.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from huggingface\_hub)  
(2025.5.1)

Requirement already satisfied: hf-xet<2.0.0,>=1.1.2 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from huggingface\_hub)  
(1.1.3)

Requirement already satisfied: packaging>=20.9 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from huggingface\_hub)  
(25.0)

Requirement already satisfied: pyyaml>=5.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from huggingface\_hub)  
(6.0.2)

Requirement already satisfied: requests in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from huggingface\_hub)  
(2.32.3)

Requirement already satisfied: tqdm>=4.42.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from huggingface\_hub)  
(4.67.1)

Requirement already satisfied: typing-extensions>=3.7.4.3 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from huggingface\_hub)  
(4.14.0)

Requirement already satisfied: torch in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from timm) (2.5.0)

Requirement already satisfied: torchvision in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from timm) (0.20.0)

Requirement already satisfied: safetensors in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from timm) (0.5.3)

Requirement already satisfied: charset\_normalizer<4,>=2 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->huggingface\_hub) (3.4.2)

Requirement already satisfied: idna<4,>=2.5 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->huggingface\_hub) (3.10)

Requirement already satisfied: urllib3<3,>=1.21.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->huggingface\_hub) (2.4.0)

Requirement already satisfied: certifi>=2017.4.17 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->huggingface\_hub) (2025.4.26)

Requirement already satisfied: networkx in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from torch->timm) (3.4.2)

Requirement already satisfied: Jinja2 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from torch->timm) (3.1.6)  
Requirement already satisfied: sympy==1.13.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from torch->timm) (1.13.1)  
Requirement already satisfied: mpmath<1.4, >=1.1.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
sympy==1.13.1->torch->timm) (1.3.0)  
Requirement already satisfied: MarkupSafe>=2.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from Jinja2->torch->timm)  
(3.0.2)  
Requirement already satisfied: numpy in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from torchvision->timm)  
(1.26.4)  
Requirement already satisfied: pillow!=8.3.\*, >=5.3.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from torchvision->timm)  
(11.2.1)  
/home/intern/Desktop/sonata/setup.py:17: UserWarning: pkg\_resources is deprecated as an  
API. See [https://setuptools.pypa.io/en/latest/pkg\\_resources.html](https://setuptools.pypa.io/en/latest/pkg_resources.html). The pkg\_resources package is  
slated for removal as early as 2025-11-30. Refrain from using this package or pin to  
Setuptools<81.  
import pkg\_resources  
running install  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/setuptools/\_distutils/cmd.py:  
90: SetuptoolsDeprecationWarning: setup.py install is deprecated.  
!!

\*\*\*\*\*

Please avoid running ``setup.py`` directly.  
Instead, use pypa/build, pypa/installer or other  
standards-based tools.

By 2025-Oct-31, you need to update your project and remove deprecated calls  
or your builds will no longer be supported.

See <https://blog.ganssle.io/articles/2021/10/setup-py-deprecated.html> for details.

\*\*\*\*\*

!!  
self.initialize\_options()  
running build  
running build\_py  
file sonata.py (for module sonata) not found  
creating build/lib/sonata  
copying sonata/Utils.py -> build/lib/sonata

copying sonata/data.py -> build/lib/sonata  
copying sonata/module.py -> build/lib/sonata  
copying sonata/structure.py -> build/lib/sonata  
copying sonata/model.py -> build/lib/sonata  
copying sonata/transform.py -> build/lib/sonata  
copying sonata/\_\_init\_\_.py -> build/lib/sonata  
copying sonata/registry.py -> build/lib/sonata  
creating build/lib/sonata/serialization  
copying sonata/serialization/z\_order.py -> build/lib/sonata/serialization  
copying sonata/serialization/hilbert.py -> build/lib/sonata/serialization  
copying sonata/serialization/default.py -> build/lib/sonata/serialization  
copying sonata/serialization/\_\_init\_\_.py -> build/lib/sonata/serialization  
running egg\_info  
creating sonata.egg-info  
writing sonata.egg-info/PKG-INFO  
writing dependency\_links to sonata.egg-info/dependency\_links.txt  
writing top-level names to sonata.egg-info/top\_level.txt  
writing manifest file 'sonata.egg-info/SOURCES.txt'  
file sonata.py (for module sonata) not found  
reading manifest file 'sonata.egg-info/SOURCES.txt'  
adding license file 'LICENSE'  
writing manifest file 'sonata.egg-info/SOURCES.txt'  
file sonata.py (for module sonata) not found  
running install\_lib  
creating /home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata  
creating /home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/serialization  
copying build/lib/sonata/serialization/z\_order.py ->  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/serialization  
copying build/lib/sonata/serialization/hilbert.py ->  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/serialization  
copying build/lib/sonata/serialization/default.py ->  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/serialization  
copying build/lib/sonata/serialization/\_\_init\_\_.py ->  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/serialization  
copying build/lib/sonata/utils.py ->  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata  
copying build/lib/sonata/data.py ->  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata  
copying build/lib/sonata/module.py ->  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata  
copying build/lib/sonata/structure.py ->  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata  
copying build/lib/sonata/model.py ->  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata

```
copying build/lib/sonata/transform.py ->
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata
copying build/lib/sonata/__init__.py ->
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata
copying build/lib/sonata/registry.py ->
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/serialization/z_order.
py to z_order.cpython-310.pyc
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/serialization/hilbert.p
y to hilbert.cpython-310.pyc
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/serialization/default.p
y to default.cpython-310.pyc
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/serialization/__init__.
py to __init__.cpython-310.pyc
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/utils.py to
utils.cpython-310.pyc
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/data.py to
data.cpython-310.pyc
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/module.py to
module.cpython-310.pyc
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/structure.py to
structure.cpython-310.pyc
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/model.py to
model.cpython-310.pyc
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/transform.py to
transform.cpython-310.pyc
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/__init__.py to
__init__.cpython-310.pyc
byte-compiling
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata/registry.py to
registry.cpython-310.pyc
running install_egg_info
```

```
Copying sonata.egg-info to
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages/sonata-1.0-py3.10.egg-info
running install_scripts
(sonata) intern@dse-MS-7D09:~/Desktop/sonata$ pip install open3d fast_pytorch_kmeans
psutil numpy==1.26.4 # currently, open3d does not support numpy 2.x
Collecting open3d
  Downloading open3d-0.19.0-cp310-cp310-manylinux_2_31_x86_64.whl.metadata (4.3 kB)
Collecting fast_pytorch_kmeans
  Downloading fast_pytorch_kmeans-0.2.2-py3-none-any.whl.metadata (1.1 kB)
Requirement already satisfied: psutil in
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (7.0.0)
Requirement already satisfied: numpy==1.26.4 in
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (1.26.4)
Requirement already satisfied: dash>=2.6.0 in
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from open3d) (3.0.4)
Requirement already satisfied: werkzeug>=3.0.0 in
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from open3d) (3.1.3)
Requirement already satisfied: flask>=3.0.0 in
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from open3d) (3.1.1)
Collecting nbformat>=5.7.0 (from open3d)
  Downloading nbformat-5.10.4-py3-none-any.whl.metadata (3.6 kB)
Collecting configargparse (from open3d)
  Downloading configargparse-1.7.1-py3-none-any.whl.metadata (24 kB)
Collecting ipywidgets>=8.0.4 (from open3d)
  Downloading ipywidgets-8.1.7-py3-none-any.whl.metadata (2.4 kB)
Requirement already satisfied: addict in
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from open3d) (2.4.0)
Requirement already satisfied: pillow>=9.3.0 in
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from open3d) (11.2.1)
Requirement already satisfied: matplotlib>=3 in
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from open3d) (3.10.3)
Collecting pandas>=1.0 (from open3d)
  Downloading
pandas-2.3.0-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata (91
kB)
Requirement already satisfied: pyyaml>=5.4.1 in
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from open3d) (6.0.2)
Collecting scikit-learn>=0.21 (from open3d)
  Downloading
scikit_learn-1.7.0-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata
(17 kB)
Requirement already satisfied: tqdm in
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from open3d) (4.67.1)
Collecting pyquaternion (from open3d)
```

Downloading pyquaternion-0.9.9-py3-none-any.whl.metadata (1.4 kB)  
Requirement already satisfied: torch in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from fast\_pytorch\_kmeans  
(2.5.0))  
Requirement already satisfied: plotly>=5.0.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
dash>=2.6.0->open3d) (6.1.2)  
Requirement already satisfied: importlib-metadata in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
dash>=2.6.0->open3d) (8.7.0)  
Requirement already satisfied: typing\_extensions>=4.1.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
dash>=2.6.0->open3d) (4.14.0)  
Requirement already satisfied: requests in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
dash>=2.6.0->open3d) (2.32.3)  
Requirement already satisfied: retrying in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
dash>=2.6.0->open3d) (1.3.4)  
Requirement already satisfied: nest-asyncio in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
dash>=2.6.0->open3d) (1.6.0)  
Requirement already satisfied: setuptools in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
dash>=2.6.0->open3d) (80.9.0)  
Requirement already satisfied: blinker>=1.9.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from flask>=3.0.0->open3d)  
(1.9.0)  
Requirement already satisfied: click>=8.1.3 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from flask>=3.0.0->open3d)  
(8.2.1)  
Requirement already satisfied: itsdangerous>=2.2.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from flask>=3.0.0->open3d)  
(2.2.0)  
Requirement already satisfied: jinja2>=3.1.2 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from flask>=3.0.0->open3d)  
(3.1.6)  
Requirement already satisfied: markupsafe>=2.1.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from flask>=3.0.0->open3d)  
(3.0.2)  
Collecting comm>=0.1.3 (from ipywidgets>=8.0.4->open3d)  
  Downloading comm-0.2.2-py3-none-any.whl.metadata (3.7 kB)  
Collecting ipython>=6.1.0 (from ipywidgets>=8.0.4->open3d)  
  Downloading ipython-8.37.0-py3-none-any.whl.metadata (5.1 kB)

Collecting traitlets>=4.3.1 (from ipywidgets>=8.0.4->open3d)  
 Downloading traitlets-5.14.3-py3-none-any.whl.metadata (10 kB)  
Collecting widgetsnbextension~4.0.14 (from ipywidgets>=8.0.4->open3d)  
 Downloading widgetsnbextension-4.0.14-py3-none-any.whl.metadata (1.6 kB)  
Collecting jupyterlab\_widgets~3.0.15 (from ipywidgets>=8.0.4->open3d)  
 Downloading jupyterlab\_widgets-3.0.15-py3-none-any.whl.metadata (20 kB)  
Collecting decorator (from ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
 Downloading decorator-5.2.1-py3-none-any.whl.metadata (3.9 kB)  
Collecting exceptiongroup (from ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
 Downloading exceptiongroup-1.3.0-py3-none-any.whl.metadata (6.7 kB)  
Collecting jedi>=0.16 (from ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
 Downloading jedi-0.19.2-py2.py3-none-any.whl.metadata (22 kB)  
Collecting matplotlib-inline (from ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
 Downloading matplotlib-inline-0.1.7-py3-none-any.whl.metadata (3.9 kB)  
Collecting pexpect>4.3 (from ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
 Downloading pexpect-4.9.0-py2.py3-none-any.whl.metadata (2.5 kB)  
Collecting prompt\_toolkit<3.1.0,>=3.0.41 (from ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
 Downloading prompt\_toolkit-3.0.51-py3-none-any.whl.metadata (6.4 kB)  
Collecting pygments>=2.4.0 (from ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
 Downloading pygments-2.19.1-py3-none-any.whl.metadata (2.5 kB)  
Collecting stack\_data (from ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
 Downloading stack\_data-0.6.3-py3-none-any.whl.metadata (18 kB)  
Collecting wcwidth (from  
prompt\_toolkit<3.1.0,>=3.0.41->ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
 Downloading wcwidth-0.2.13-py2.py3-none-any.whl.metadata (14 kB)  
Collecting parso<0.9.0,>=0.8.4 (from jedi>=0.16->ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
 Downloading parso-0.8.4-py2.py3-none-any.whl.metadata (7.7 kB)  
Requirement already satisfied: contourpy>=1.0.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
matplotlib>=3->open3d) (1.3.2)  
Requirement already satisfied: cycler>=0.10 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
matplotlib>=3->open3d) (0.12.1)  
Requirement already satisfied: fonttools>=4.22.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
matplotlib>=3->open3d) (4.58.2)  
Requirement already satisfied: kiwisolver>=1.3.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
matplotlib>=3->open3d) (1.4.7)  
Requirement already satisfied: packaging>=20.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
matplotlib>=3->open3d) (25.0)



Requirement already satisfied: pyparsing>=2.3.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
matplotlib>=3->open3d) (3.2.3)

Requirement already satisfied: python-dateutil>=2.7 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
matplotlib>=3->open3d) (2.9.0.post0)

Collecting fastjsonschema>=2.15 (from nbformat>=5.7.0->open3d)  
Downloading fastjsonschema-2.21.1-py3-none-any.whl.metadata (2.2 kB)

Collecting jsonschema>=2.6 (from nbformat>=5.7.0->open3d)  
Downloading jsonschema-4.24.0-py3-none-any.whl.metadata (7.8 kB)

Collecting jupyter-core!=5.0.\*,>=4.12 (from nbformat>=5.7.0->open3d)  
Downloading jupyter\_core-5.8.1-py3-none-any.whl.metadata (1.6 kB)

Requirement already satisfied: attrs>=22.2.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
jsonschema>=2.6->nbformat>=5.7.0->open3d) (25.3.0)

Collecting jsonschema-specifications>=2023.03.6 (from  
jsonschema>=2.6->nbformat>=5.7.0->open3d)  
Downloading jsonschema\_specifications-2025.4.1-py3-none-any.whl.metadata (2.9 kB)

Collecting referencing>=0.28.4 (from jsonschema>=2.6->nbformat>=5.7.0->open3d)  
Downloading referencing-0.36.2-py3-none-any.whl.metadata (2.8 kB)

Collecting rpds-py>=0.7.1 (from jsonschema>=2.6->nbformat>=5.7.0->open3d)  
Downloading  
rpds\_py-0.25.1-cp310-cp310-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl.metadata  
(4.1 kB)

Collecting platformdirs>=2.5 (from jupyter-core!=5.0.\*,>=4.12->nbformat>=5.7.0->open3d)  
Downloading platformdirs-4.3.8-py3-none-any.whl.metadata (12 kB)

Collecting pytz>=2020.1 (from pandas>=1.0->open3d)  
Downloading pytz-2025.2-py2.py3-none-any.whl.metadata (22 kB)

Collecting tzdata>=2022.7 (from pandas>=1.0->open3d)  
Downloading tzdata-2025.2-py2.py3-none-any.whl.metadata (1.4 kB)

Collecting ptyprocess>=0.5 (from pexpect>4.3->ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
Downloading ptyprocess-0.7.0-py2.py3-none-any.whl.metadata (1.3 kB)

Requirement already satisfied: narwhals>=1.15.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
plotly>=5.0.0->dash>=2.6.0->open3d) (1.41.1)

Requirement already satisfied: six>=1.5 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
python-dateutil>=2.7->matplotlib>=3->open3d) (1.17.0)

Requirement already satisfied: scipy>=1.8.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
scikit-learn>=0.21->open3d) (1.15.2)

Collecting joblib>=1.2.0 (from scikit-learn>=0.21->open3d)  
Downloading joblib-1.5.1-py3-none-any.whl.metadata (5.6 kB)

Collecting threadpoolctl>=3.1.0 (from scikit-learn>=0.21->open3d)

Downloading threadpoolctl-3.6.0-py3-none-any.whl.metadata (13 kB)  
Requirement already satisfied: zipp>=3.20 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
importlib-metadata->dash>=2.6.0->open3d) (3.23.0)  
Requirement already satisfied: charset\_normalizer<4,>=2 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->dash>=2.6.0->open3d) (3.4.2)  
Requirement already satisfied: idna<4,>=2.5 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->dash>=2.6.0->open3d) (3.10)  
Requirement already satisfied: urllib3<3,>=1.21.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->dash>=2.6.0->open3d) (2.4.0)  
Requirement already satisfied: certifi>=2017.4.17 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
requests->dash>=2.6.0->open3d) (2025.4.26)  
Collecting executing>=1.2.0 (from stack\_data->ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
Downloading executing-2.2.0-py2.py3-none-any.whl.metadata (8.9 kB)  
Collecting asttokens>=2.1.0 (from stack\_data->ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
Downloading asttokens-3.0.0-py3-none-any.whl.metadata (4.7 kB)  
Collecting pure-eval (from stack\_data->ipython>=6.1.0->ipywidgets>=8.0.4->open3d)  
Downloading pure\_eval-0.2.3-py3-none-any.whl.metadata (6.3 kB)  
Requirement already satisfied: filelock in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->fast\_pytorch\_kmeans) (3.18.0)  
Requirement already satisfied: networkx in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->fast\_pytorch\_kmeans) (3.4.2)  
Requirement already satisfied: fsspec in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->fast\_pytorch\_kmeans) (2025.5.1)  
Requirement already satisfied: sympy==1.13.1 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
torch->fast\_pytorch\_kmeans) (1.13.1)  
Requirement already satisfied: mpmath<1.4,>=1.1.0 in  
/home/intern/miniconda3/envs/sonata/lib/python3.10/site-packages (from  
sympy==1.13.1->torch->fast\_pytorch\_kmeans) (1.3.0)  
Downloading open3d-0.19.0-cp310-cp310-manylinux\_2\_31\_x86\_64.whl (447.7 MB)

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447.7/447.7 MB 1.9 MB/s eta 0:00:00

Downloading fast\_pytorch\_kmeans-0.2.2-py3-none-any.whl (9.8 kB)  
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Downloading platformdirs-4.3.8-py3-none-any.whl (18 kB)

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1.2/1.2 MB 2.5 MB/s eta 0:00:00

Downloading pytz-2025.2-py2.py3-none-any.whl (509 kB)

Downloading referencing-0.36.2-py3-none-any.whl (26 kB)

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rpds\_py-0.25.1-cp310-cp310-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (386 kB)

Downloading

scikit\_learn-1.7.0-cp310-cp310-manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl (12.9 MB)

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12.9/12.9 MB 1.6 MB/s eta 0:00:00

Downloading joblib-1.5.1-py3-none-any.whl (307 kB)

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100k/100k [00:02&lt;00:00, 42.6kB/s]

```
(sonata) intern@dse-MS-7D09:~/Desktop/sonata$ pip install -e .
```

```
Obtaining file:///home/intern/Desktop/sonata
```

```
Preparing metadata (setup.py) ... done
```

```
Installing collected packages: sonata
```

```
Attempting uninstall: sonata
```

```
Found existing installation: sonata 1.0
```

```
Can't uninstall 'sonata'. No files were found to uninstall.
```

```
DEPRECATION: Legacy editable install of sonata==1.0 from file:///home/intern/Desktop/sonata (setup.py develop) is deprecated. pip 25.3 will enforce this behaviour change. A possible replacement is to add a pyproject.toml or enable --use-pep517, and use setuptools >= 64. If the resulting installation is not behaving as expected, try using --config-settings editable_mode=compat. Please consult the setuptools documentation for more information.
```

```
Discussion can be found at https://github.com/pypa/pip/issues/11457
```

```
Running setup.py develop for sonata
```

```
Successfully installed sonata-1.0
```

```
(sonata) intern@dse-MS-7D09:~/Desktop/sonata$ export
```

```
PYTHONPATH=$(pwd):$PYTHONPATH
```

```
(sonata) intern@dse-MS-7D09:~/Desktop/sonata$ python run_inference_sonata.py --cfg  
configs/scannet/sonata.yaml --input zed_output.ply --weights checkpoints/sonata_scannet.pth  
--output output
```

```
Traceback (most recent call last):
```

```
File "/home/intern/Desktop/sonata/run_inference_sonata.py", line 4, in <module>
```

```
from sonata.config import get_cfg
```

```
ModuleNotFoundError: No module named 'sonata.config'
```

```
(sonata) intern@dse-MS-7D09:~/Desktop/sonata$ python zed_sonata_inference.py
```

```
RPLY: Unable to open file
```

```
[Open3D WARNING] Read PLY failed: unable to open file: zed_output.ply
```

```
Loading checkpoint from HuggingFace: sonata ...
```

```
Model params: 108.46M
```

```
Loading checkpoint from HuggingFace: sonata_linear_prob_head_sc ...
```

```
Traceback (most recent call last):
```

```
File "/home/intern/Desktop/sonata/zed_sonata_inference.py", line 125, in <module>
```

```
main()
```

```
File "/home/intern/Desktop/sonata/zed_sonata_inference.py", line 89, in main
```

```
point = transform(point)
```

```
File "/home/intern/Desktop/sonata/sonata/transform.py", line 1201, in __call__
```

```
data_dict = t(data_dict)
```

```
File "/home/intern/Desktop/sonata/sonata/transform.py", line 188, in __call__
```

```
x_min, y_min, z_min = data_dict["coord"].min(axis=0)
```

```
IndexError: min(): Expected reduction dim 0 to have non-zero size.
```

```
(sonata) intern@dse-MS-7D09:~/Desktop/sonata$ python zed_sonata_inference.py
```

```
Loading checkpoint from HuggingFace: sonata ...
```

```
Model params: 108.46M
```

```
Loading checkpoint from HuggingFace: sonata_linear_prob_head_sc ...
```

Traceback (most recent call last):

File "/home/intern/Desktop/sonata/zed\_sonata\_inference.py", line 125, in <module>  
main()

File "/home/intern/Desktop/sonata/zed\_sonata\_inference.py", line 89, in main  
point = transform(point)

File "/home/intern/Desktop/sonata/sonata/transform.py", line 1201, in \_\_call\_\_  
data\_dict = t(data\_dict)

File "/home/intern/Desktop/sonata/sonata/transform.py", line 188, in \_\_call\_\_  
x\_min, y\_min, z\_min = data\_dict["coord"].min(axis=0)

ValueError: not enough values to unpack (expected 3, got 2)

(sonata) intern@dse-MS-7D09:~/Desktop/sonata\$ python zed\_sonata\_inference.py

Loading checkpoint from HuggingFace: sonata ...

Model params: 108.46M

Loading checkpoint from HuggingFace: sonata\_linear\_prob\_head\_sc ...

Coordinates shape: torch.Size([1000, 3])

Coordinates sample:

```
tensor([[[0.8220, 0.4157, 0.7776],  
         [0.4223, 0.4820, 0.8964],  
         [0.5264, 0.8832, 0.6404],  
         [0.2703, 0.4760, 0.8975],  
         [0.3774, 0.4214, 0.2775]])
```

Traceback (most recent call last):

File "/home/intern/Desktop/sonata/zed\_sonata\_inference.py", line 128, in <module>  
main()

File "/home/intern/Desktop/sonata/zed\_sonata\_inference.py", line 92, in main  
point = transform(point)

File "/home/intern/Desktop/sonata/sonata/transform.py", line 1201, in \_\_call\_\_  
data\_dict = t(data\_dict)

File "/home/intern/Desktop/sonata/sonata/transform.py", line 188, in \_\_call\_\_  
x\_min, y\_min, z\_min = data\_dict["min"].min(axis=0)

ValueError: not enough values to unpack (expected 3, got 2)

(sonata) intern@dse-MS-7D09:~/Desktop/sonata\$ python zed\_sonata\_inference.py

Loading checkpoint from HuggingFace: sonata ...

Model params: 108.46M

Loading checkpoint from HuggingFace: sonata\_linear\_prob\_head\_sc ...

Coordinates shape: torch.Size([1000, 3])

Coordinates sample:

```
tensor([[[0.8220, 0.4157, 0.7776],  
         [0.4223, 0.4820, 0.8964],  
         [0.5264, 0.8832, 0.6404],  
         [0.2703, 0.4760, 0.8975],  
         [0.3774, 0.4214, 0.2775]])
```

Traceback (most recent call last):

File "/home/intern/Desktop/sonata/zed\_sonata\_inference.py", line 136, in <module>

```

main()
File "/home/intern/Desktop/sonata/zed_sonata_inference.py", line 89, in main
    print("Type of data_dict['coord']:", type(data_dict["coord"]))
NameError: name 'data_dict' is not defined
(sonata) intern@dse-MS-7D09:~/Desktop/sonata$ python zed_sonata_inference.py
Loaded point cloud:
- Shape: (1000, 3)
- Sample coords:
[[0.8219809  0.41565266 0.77756715]
 [0.4222968  0.48200446 0.8963866 ]
 [0.5263756  0.88316053 0.6403767 ]
 [0.2702888  0.4759848  0.89747155]
 [0.37743247 0.42144704 0.27752566]]
Loading checkpoint from HuggingFace: sonata ...
Model params: 108.46M
Loading checkpoint from HuggingFace: sonata_linear_prob_head_sc ...
Traceback (most recent call last):
  File "/home/intern/Desktop/sonata/zed_sonata_inference.py", line 128, in <module>
    main()
  File "/home/intern/Desktop/sonata/zed_sonata_inference.py", line 93, in main
    point = transform(point)
  File "/home/intern/Desktop/sonata/sonata/transform.py", line 1201, in __call__
    data_dict = t(data_dict)
  File "/home/intern/Desktop/sonata/sonata/transform.py", line 83, in __call__
    data[key] = data_dict[key]
KeyError: 'color'
(sonata) intern@dse-MS-7D09:~/Desktop/sonata$ python zed_sonata_inference.py
Loaded point cloud:
- Shape: (1000, 3)
- Sample coords:
[[0.8219809  0.41565266 0.77756715]
 [0.4222968  0.48200446 0.8963866 ]
 [0.5263756  0.88316053 0.6403767 ]
 [0.2702888  0.4759848  0.89747155]
 [0.37743247 0.42144704 0.27752566]]
Loading checkpoint from HuggingFace: sonata ...
Model params: 108.46M
Loading checkpoint from HuggingFace: sonata_linear_prob_head_sc ...
Traceback (most recent call last):
  File "/home/intern/Desktop/sonata/zed_sonata_inference.py", line 128, in <module>
    main()
  File "/home/intern/Desktop/sonata/zed_sonata_inference.py", line 93, in main
    point = transform(point)
  File "/home/intern/Desktop/sonata/sonata/transform.py", line 1201, in __call__

```

```
data_dict = t(data_dict)
File "/home/intern/Desktop/sonata/sonata/transform.py", line 89, in __call__
data[name] = torch.cat([data_dict[key].float() for key in keys], dim=1)
File "/home/intern/Desktop/sonata/sonata/transform.py", line 89, in <listcomp>
data[name] = torch.cat([data_dict[key].float() for key in keys], dim=1)
KeyError: 'normal'
(sonata) intern@dse-MS-7D09:~/Desktop/sonata$ python zed_sonata_inference.py
Loaded point cloud:
- Shape: (1000, 3)
- Sample coords:
[[0.8219809  0.41565266 0.77756715]
 [0.4222968  0.48200446 0.8963866 ]
 [0.5263756  0.88316053 0.6403767 ]
 [0.2702888  0.4759848  0.89747155]
 [0.37743247 0.42144704 0.27752566]]
Loading checkpoint from HuggingFace: sonata ...
Model params: 108.46M
Loading checkpoint from HuggingFace: sonata_linear_prob_head_sc ...
(sonata) intern@dse-MS-7D09:~/Desktop/sonata$ python zed_sonata_inference.py
RPly: Error reading 'blue' of 'vertex' number 90031
[Open3D WARNING] Read PLY failed: unable to read file: zed_out.ply
Loaded point cloud:
- Shape: (90032, 3)
- Sample coords:
[[ 1.445153  1.940436 -5.218412]
 [ 1.449896  1.939521 -5.215951]
 [ 1.454717  1.938715 -5.213784]
 [ 1.459409  1.937744 -5.211174]
 [ 1.464335  1.93709  -5.209415]]
Loading checkpoint from HuggingFace: sonata ...
Model params: 108.46M
Loading checkpoint from HuggingFace: sonata_linear_prob_head_sc ...
```