# Creating a python environment for LI data operations using conda

The instructions below have been tested on Ubuntu 24.04.3, but should work on most other Linux versions.

## Already using conda?

Just use the `mtg_environment.yml` file to quickly create the necessary python environment by running the following command in the terminal:

```
conda env create -f mtg_environment.yml
```

## Haven't used conda yet?

Conda must be first set up. This can be easily done running the following three commands in the terminal:

### 1. Download the Miniforge3 installer:

```
wget https://github.com/conda-forge/miniforge/releases/download/24.11.3-0/Miniforge3-24.11.3-0-Linux-x86_64.sh
```

### 2. Run the installer:

```
bash Miniforge3-24.11.3-0-Linux-x86_64.sh
```

Follow the prompts: Accept the license terms, install to your home directory (default: `~/miniforge3`) and say YES to initializing your shell environment

### 3. Activate the environment:

After installation, either close and reopen your terminal or run `source ~/miniforge3/etc/profile.d/conda.sh`.

### 4. Now create the LI data reader conda environment, using the provided yml file by running:

```
conda env create -f mtg_environment.yml
```