Slurm array jobs

Job array allows you to run a group of identical/similar jobs. To do that, just add the following statement in your submission script:

```
#SBATCH --array=1-10
```

You can also do this during submission without modify your job script:

```
sbatch --array=1-10 job.script
```

The job array is implemented as a group of single jobs, e.g., if you submit an array job with `#SBATCH --array=1-10`. When the starting job is `ID=1000`, the ids of all jobs are: `1000, 1001, 1002, 1003` and so on.

Note tha the Slurm script is should exactly be the same. The only difference is between each subjob the environment variable, `$SLURM_ARRAY_TASK_ID` will have a different value. Therefore, it would allow you to do some data level parallelization e.g., let subjob-1 (`SLURM_ARRAY_TASK_ID=1`) process datachunk-1, subjob-2 processes datachunk-2,..., etc.