

# Python profiling

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Run your program with `python -m cProfile -o profile.cprofile my-script.py`

Install `snakeviz` (`pip install snakeviz`) to visualize the generated profile.

```
snakeviz profile.cprofile
```

Alternative approach

Install `pyprof2calltree` to convert the cprofile to a `kcachegrind` compatible profile.

```
pyprof2calltree -i profile.cprofile -o callgrind.profile.cprofile
```

## 1 References

- <https://benbernardblog.com/tracking-down-a-freaky-python-memory-leak/>
- <https://tech.buzzfeed.com/finding-and-fixing-memory-leaks-in-python-413ce4266e7d>
- <https://varblog.org/blog/2018/05/24/profiling-and-optimizing-machine-learning-model-training-with-pytorch/>