

Appendix B: Environment Dependencies in DANCE

For the dependencies of our first version of the DANCE package, please refer to Table 3 for more details.

Dependency	Version
h5py	≥3.7.0
leidenalg	≥0.8.10
networkx	≥2.8.5
numba	≥0.56.0
opencv-python	≥4.6.0.66
openpyxl	≥3.0.10
psutil	≥5.9.1
pyro-ppl	≥1.8.1
python-igraph	≥0.9.11
rdata	≥0.8
scanpy	≥1.9.1
scikit-learn	≥1.1.2
scikit-misc	≥0.1.4
scipy	≥1.9.0
seaborn	≥0.11.2
skorch	≥0.11.0
statsmodels	≥0.13.2
torch	≥1.11.0
torchnmf	≥0.3.4
torchvision	≥0.12.0
tqdm	≥4.64.0

Table 3: Dependencies of DANCE Package