

Appendix C: Codebase Structure Tree in DANCE

The structure tree below shows our codebase structure in DANCE. Basically it consists of two parts: dance source code and examples. In example folder, each file represent one example to show how to leverage one specific model on dataset.

```
| --- LICENSE
| --- README.md
| --- dance
|   | --- __init__.py
|   | --- data
|   |   | --- __init__.py
|   |   | --- datasets
|   |   |   | --- __init__.py
|   |   |   | --- multimodality.py
|   |   |   | --- singlemodality.py
|   |   |   | --- spatial.py
|   |   | --- modules
|   |   |   | --- __init__.py
|   |   |   | --- multi_modality
|   |   |   |   | --- __init__.py
|   |   |   |   | --- joint_embedding
|   |   |   |   |   | --- __init__.py
|   |   |   |   |   | --- dcca.py
|   |   |   |   |   | --- jae.py
|   |   |   |   |   | --- scmogcn.py
|   |   |   |   |   | --- scmogcnv2.py
|   |   |   |   |   | --- scmvae.py
|   |   |   |   | --- match_modality
|   |   |   |   |   | --- __init__.py
|   |   |   |   |   | --- cmae.py
|   |   |   |   |   | --- scmm.py
|   |   |   |   |   | --- scmogcn.py
|   |   |   |   | --- predict_modality
|   |   |   |   |   | --- __init__.py
|   |   |   |   |   | --- babel.py
|   |   |   |   |   | --- cmae.py
|   |   |   |   |   | --- scmm.py
|   |   |   |   |   | --- scmogcn.py
|   |   |   |   | --- single_modality
|   |   |   |   |   | --- __init__.py
|   |   |   |   |   | --- cell_type_annotation
|   |   |   |   |   |   | --- __init__.py
|   |   |   |   |   |   | --- actinn.py
|   |   |   |   |   |   | --- celltypist.py
|   |   |   |   |   |   | --- scdeepsort.py
|   |   |   |   |   |   | --- singlecellnet.py
|   |   |   |   |   |   | --- svm.py
|   |   |   |   | --- clustering
|   |   |   |   |   | --- __init__.py
|   |   |   |   |   | --- graphsc.py
|   |   |   |   |   | --- scdcc.py
|   |   |   |   |   | --- scdeepcluster.py
|   |   |   |   |   | --- scdsc.py
|   |   |   |   |   | --- sctag.py
|   |   |   |   | --- imputation
|   |   |   |   |   | --- __init__.py
|   |   |   |   |   | --- deepimpute.py
|   |   |   |   |   | --- graphsci.py
|   |   |   |   |   | --- scgnn.py
|   |   |   | --- spatial
|   |   |   |   | --- __init__.py
|   |   |   |   | --- cell_type_deconvo
|   |   |   |   |   | --- __init__.py
|   |   |   |   |   | --- card.py
|   |   |   |   |   | --- dstg.py
|   |   |   |   |   | --- spatialdecon.py
|   |   |   |   |   | --- spotlight.py
|   |   |   |   | --- spatial_domain
|   |   |   |   |   | --- __init__.py
|   |   |   |   |   | --- louvain.py
|   |   |   |   |   | --- spagcn.py
```



```
|_--      pyproject.toml
|_--      requirements.txt
|_--      setup.cfg
|_--      setup.py
|_--      tests
|  |_--      test_bench.py
|_--      tox.ini
```