1. Get common ancestors of all HPO terms
   1. Run: 1\_HPO\_Extraction\_AllTerms.R
2. Prepare inputs for running TransE:
   1. Run: 2\_Generate\_TransE\_Innputs.R
3. Run TransE to get ontology embeddings:
   1. Openke package install: <https://github.com/thunlp/OpenKE>
   2. Move train\_transe\_FB15K237.py under folder “3\_OpenKE”
      1. cp 3\_train\_transe\_MyTest.py ./3\_OpenKE
      2. run: python 3\_train\_transe\_MyTest.py
   3. Reference for TransE Model: https://proceedings.neurips.cc/paper\_files/paper/2013/file/1cecc7a77928ca8133fa24680a88d2f9-Paper.pdf
4. Get corresponding embeddings for selected HPO terms:
   1. Run: 4\_GetOntolgyFeatures.R
5. Format to h5:
   1. Run: 5\_Get\_ModelReadyData\_ontology.py