Structure:

1. **train.py:**

This is the code which called on the machine. Should include:

* Argument parser
* Defining the environment (GPU, CUDA etc)
* Call data generator.
* Load model (with/without existing weights)
* Fit.

1. **models.py:**

Includes implementation of the different models and architectures:

* Linear encoder (I think it's one layer only)
* Decoder net
* Integrated model
* Other models/flavors/variations that follow also go here.

1. **generators.py**

Includes the data generators. In the first stage this will be a rather simple generator that outputs random information words (length k).

1. **utils.py**

Training utilities are implemented here:

* loss functions
* metrics
* callbacks

Other stuff will follow.