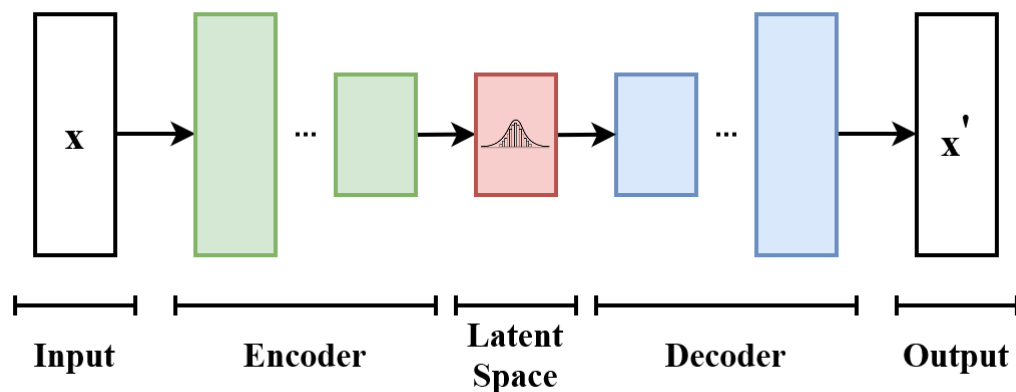


TGM Report 1: Planning Phase

Topic #3: VAE-based Medical Image Generator

Tasks

1. Create a Github repository for code / reports / etc.
2. Template for reports
 1. Sections: Tasks, Who did what, Problems, Solutions, Outlook, Miscellaneous
3. Build a simple working architecture of a VAE
 1. We plan on building first a simple working model to later extend and work on the more advanced implementations of VAE (e.g. β VAE, CVAE, ...)



Who did what

All:

- Research, getting to know the topic
-

Problems

N/A

Solutions

N/A

Outlook

- Set up boiler code in pytorch
 - load / inspect datasets (first only one and then go from there)
-

Miscellaneous

- **GPU Power:**

- **Local:** Nvidia RTX 2060, Nvidia GTX 1070 mobil, Intel Iris Graphics
- **Cloud:** Colab (if necessary)

Goal Description:

We plan on archiving the full 0.7 bonus but first implement the task in a smaller setting similar to what is described in the task for the 0.3 bonus.