# Download Trained Models

All our models are will be made available to the public through Zenodo upon publication. Currently, we release these using Dropbox for the reviewers to use and test. Scripts for downloading these models are present under `models`.

As part of our study we develop and share the following,

## Self-supervised pre-training model

We developed the pretrained model using the DeepLesion dataset with 11,467 annotated CT lesions identified from 2,312 unique patients. Lesion findings were diverse and included multiple lesions, such as lung nodules, cysts, and breast lesions, among numerous others. A task-agnostic contrastive learning strategy was used to pre-train the model on these lesion findings. Refer to the methods section for more information or the reproducing our models section.

To download these models run,

```
cd models
bash download_pretrained_models.sh
```

You can also extract the dropbox links and place them in the target location mentioned.



The pre-trained model is implemented on downstreams task using supervised training or linear evaluation approaches. For these we develop,

## Supervised models

We developed three supervised training approaches,

▶ Supervised model trained from random initialization



▶ Fine-tuning a trained supervised model



▶ Fine-tuning a pre-trained foundation model



To download these models run,

```
cd models
bash download_supervised_models.sh
```

## Linear (Logistic Regression) models

Our linear model takes features extracted from the pre-trained foundation model and builds a logistic regression classifer to predict outcome.



To download these models run,

```
cd models
bash download_linear_models.sh
```

These models can also be found at this link. In addition to providing our models, we also provide comprehensive documentation and ongoing support to users through project-lighter to reproduce our results and workflows.