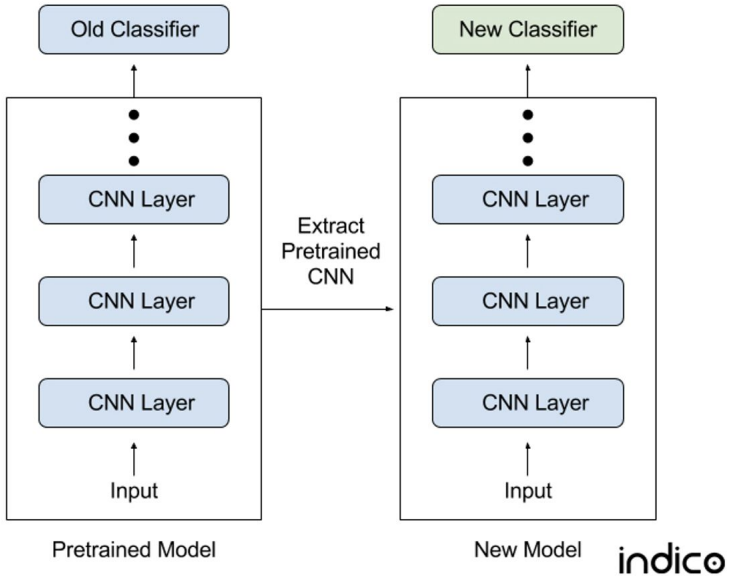
Transfer Learning & Visualizations

Lab 5

Apr 1, 2025

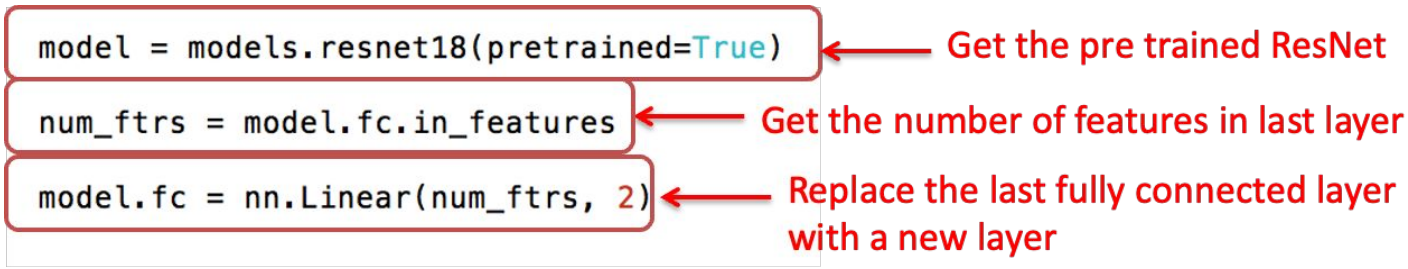
Transfer Learning

- Most of the time instead of creating and training a model from scratch, we can use the state of art models which have been pre-trained on large dataset like ImageNet.
- This process is called **transfer learning**.



Transfer Learning

- Let’s say we have a new dataset which has two classes.
- We want to fine-tune the state of art model **residual net** which has been trained on ImageNet on our dataset.



Your turn!

- Download the dataset at this link: https://github.com/mrdbourke/pytorch-deep-learning/raw/main/data/pizza_steak_sushi.zip
- Solve the exercises at the linked notebook;
- Visualize the loss and accuracy behavior using wandb.

Notebook @ https://colab.research.google.com/drive/12F1MewpyfmssKbNEBIKDlYsDVRb2tYQ0?usp=sharing