

Loading the Weights and Biases into a New Model

Sometimes you might want to adjust, or "finetune" a model that you have already trained and saved.

However, loading saved Variables directly into a modified model can generate errors. Let's go over how to avoid these problems.

Naming Error

TensorFlow uses a string identifier for Tensors and Operations called `name`. If a name is not given, TensorFlow will create one automatically. TensorFlow will give the first node the name `<Type>`, and then give the name `<Type>_<number>` for the subsequent nodes. Let's see how this can affect loading a model with a different order of `weights` and `bias`:

```
import tensorflow as tf

# Remove the previous weights and bias
tf.reset_default_graph()
```