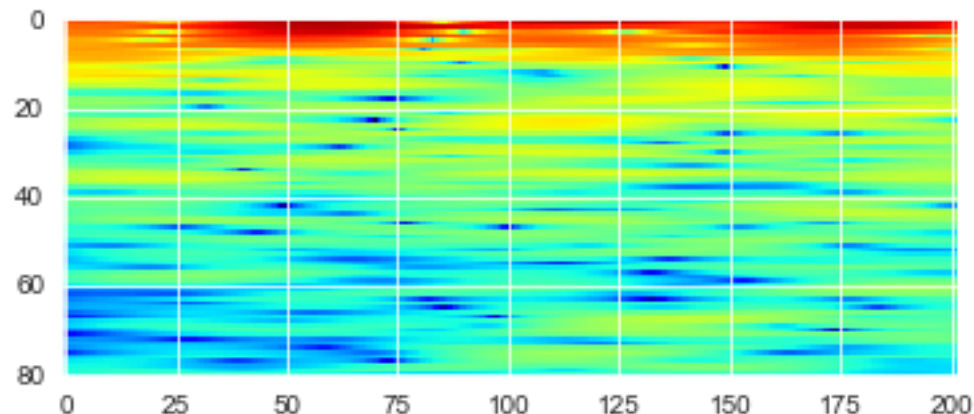


-0.7212345]]



Observe shape of TF matrices.

- 103 total epoch trials for hold.
- 115 total epoch trials for squeeze.
- BOTH:
 - 81 different frequency values up to 40 Hz.
 - 202 different time steps: -1000 to 3000 ms.
 - 1 value for power.

```
[11]: print('Shape of hold TF data:', x_TF_hold.shape)
      print('Shape of squeeze TF data:', x_TF_squeeze.shape)
```

Shape of hold TF data: (103, 81, 202, 1)

Shape of squeeze TF data: (115, 81, 202, 1)

hold is labeled as 0, squeeze is labeled as 1.

```
[12]: label_hold = np.zeros((x_TF_hold[:, 0, 0, 0]).shape)
      label_squeeze = np.ones((x_TF_squeeze[:, 0, 0, 0]).shape)
      print('Hold Label Shape:', label_hold.shape)
      print('Squeeze Label Shape:', label_squeeze.shape)
```

Hold Label Shape: (103,)

Squeeze Label Shape: (115,)

Concatenate `x_TF_hold`, `x_TF_squeeze` into a single variable. There should be a total of hold + squeeze epoch trial instances.

```
[13]: concatenated_data = np.concatenate((x_TF_hold, x_TF_squeeze), axis=0)
      concatenated_data.shape
```

```
[13]: (218, 81, 202, 1)
```