## Workflows used for Gamma Log Facies competion

## Initial data exploration:

00\_0\_EDA.ipynb

Review of fast-fourier transforms for signal band-pass filtering

00\_1\_signal\_analysis.ipynb

00\_1\_signal\_analysis-script.py

00\_2\_signal\_fft\_20191209.ipynb

Plan was to incorporate band-pass filtered signals as augmentation dataset, but ran out of time to use these.

## High resolution cropped images

01\_02\_1\_mask\_processing\_2200\_cropped.ipynb

Convert the colours of masks from 0-255 scale to 0-7 scale. This is required for fastai.

Generate validation splits

01\_01\_512\_cropped\_validation\_sets.ipynb

Train model using ResNet34 here:

02\_10\_0\_512\_resnet50\_masked\_tab20\_crop.ipynb