The models used in these experiments are all Conv3D models.

All models took around 4 hours to complete training with 20 epochs and batch size of 20.

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| **Experiment Number** | **Model** | **Result** | **Decision + Explanation** |
| **1 – Chosen for highest accuracy and lowest model weights.** | **Conv3D** | **Training accuracy – 100% (from epoch 6 onwards), Validation accuracy – 80%)** | **Highly overfit model but with high. Adding l2 regularisation to dense layers** |
| **2** | **Conv3D** | **Training accuracy – 100% (from epoch 10 onwards), Validation accuracy – 54%)** | **Still highly overfit model but validation accuracy has improved. Removing regularisation and adding a dropout layer** |
| **3** | **Conv3D** | **Training accuracy – 100% (from epoch 12 onwards), Validation accuracy – 69%** | **Model is still overfitting. Adding a new combination of Conv3D and 3DMaxPooling layer** |
| **4** | **Conv3D** | **Training accuracy – 100% (from epoch 14 onwards), Validation accuracy – 74%** | **Overfitting slowed down but still not good result. Also the model size is too great.** |