# Final Optimize for not Z\_normalized: {'optimizer\_choice': 'nadam', 'num\_heads': 5, 'head\_size': 512, 'ff\_dim': 5, 'num\_transformer\_blocks': 2, 'mlp\_units': 512, 'dropout': 0.30000000000000004, 'mlp\_dropout': 0.1, 'learning\_rate': 0.00735, 'validation\_split': 0.30000000000000004, 'batch\_size': 64}

50 Run Optuna for Normalized Data:

Best params: {'optimizer\_choice': 'adamax', 'num\_heads': 3, 'head\_size': 256, 'ff\_dim': 3, 'num\_transformer\_blocks': 4, 'mlp\_units': 512, 'dropout': 0.2, 'mlp\_dropout': 0.6, 'learning\_rate': 0.00134, 'validation\_split': 0.1, 'batch\_size': 64}