Supplementary Figures

Section 1: Exploratory Data Analysis (EDA)

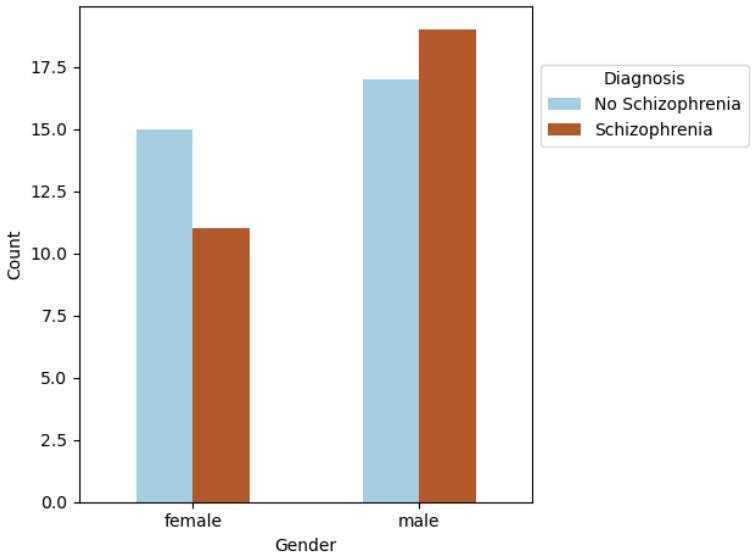

Figure 1: Gender distribution of schizophrenic and non-schizophrenic patients

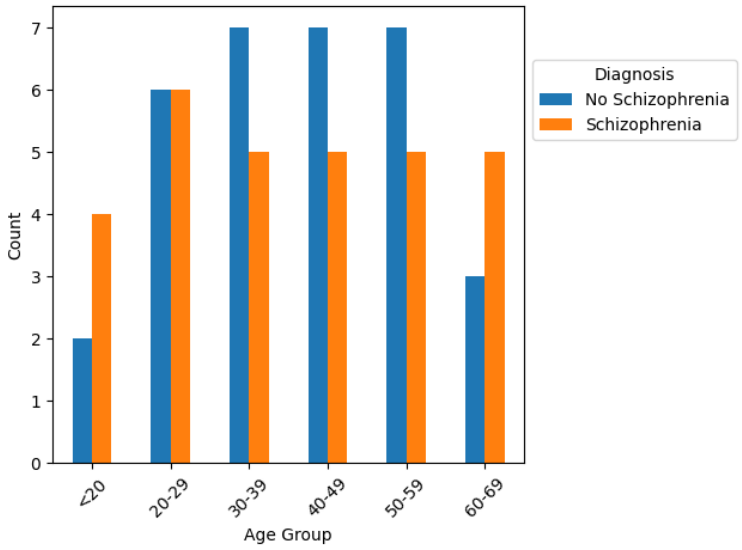

Figure 2: Ager distribution of schizophrenic and non-schizophrenic patients

Section 2: Confusion Matrices and ROC Curves for Preprocessing Experiments

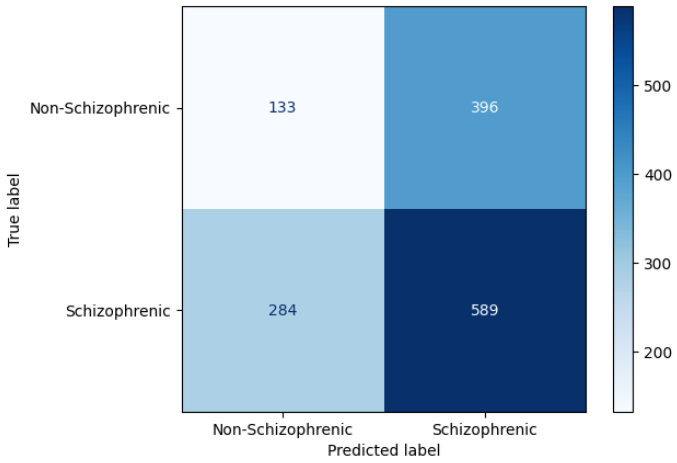

Figure 3: Confusion matrix from first experiment- model training on raw images

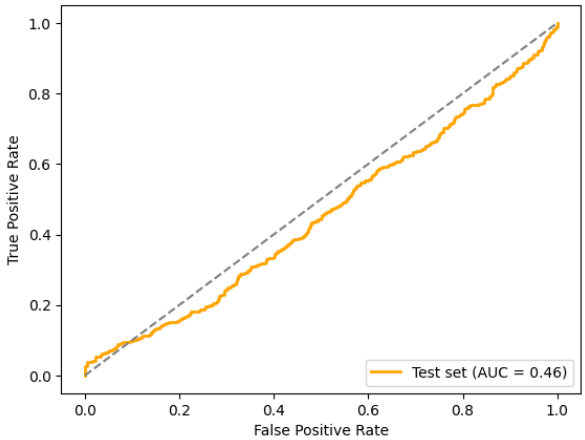

Figure 4: ROC Curve from first experiment: model training on raw images

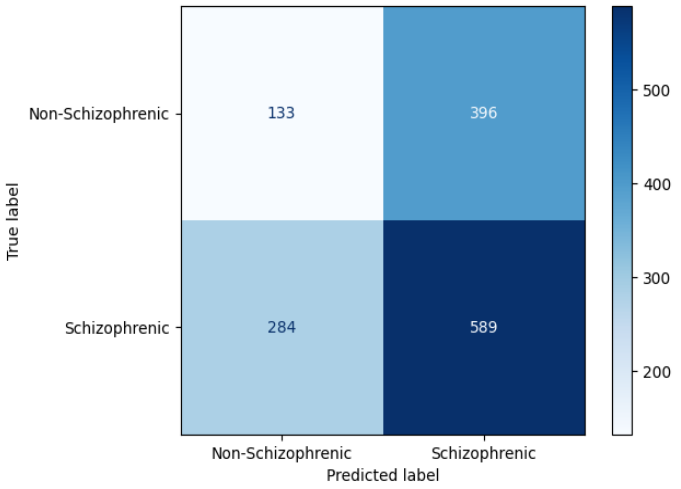

Figure 5: Confusion matrix from second experiment- resampling images

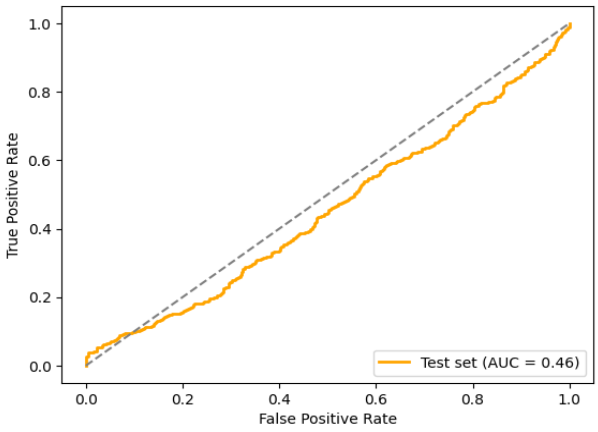

Figure 6: ROC Curve from second experiment- model training on raw images

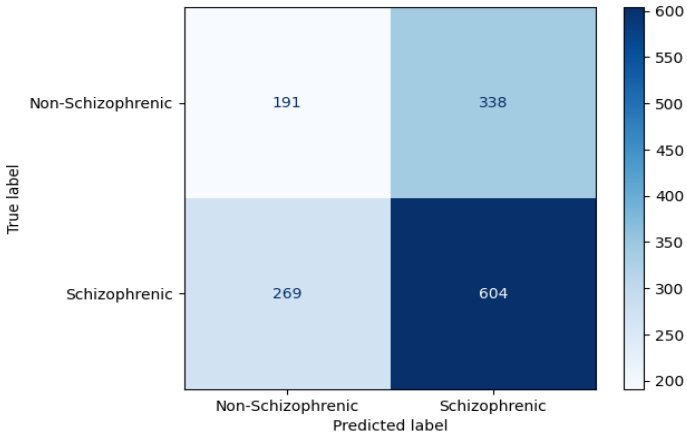

Figure 7: Confusion matrix from third experiment- normalizing images

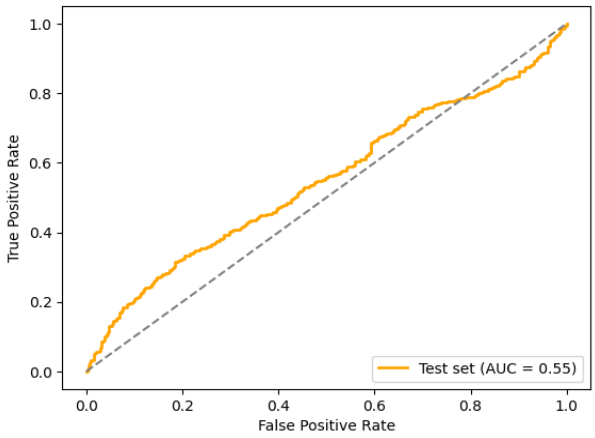

Figure 8: ROC Curve from third experiment- normalizing images

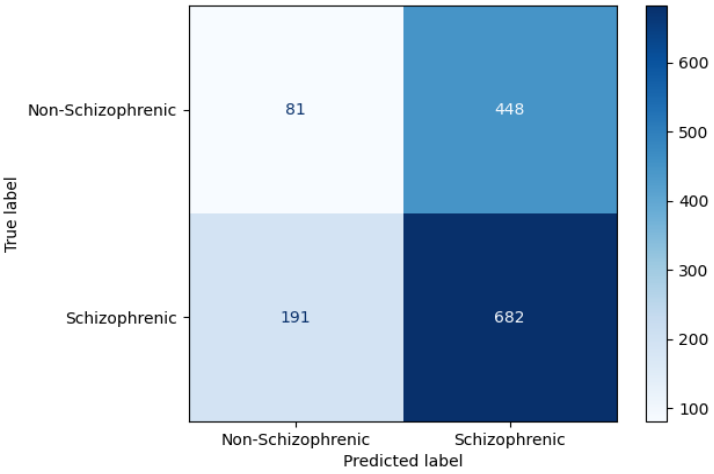

Figure 9: Confusion matrix from forth experiment- brain extraction

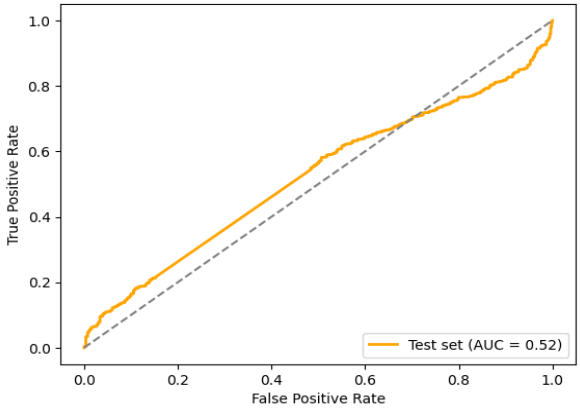

Figure 10: ROC Curve from forth experiment- brain extraction

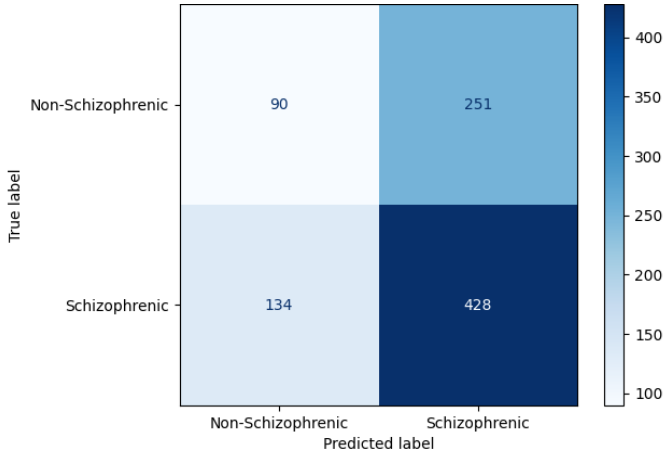

Figure 11: Confusion matrix from fifth experiment- cropping

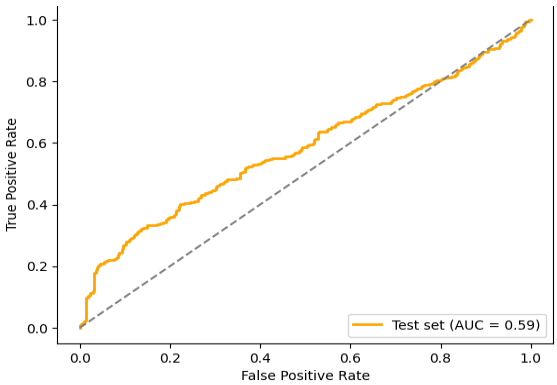

Figure 12: ROC Curve from fifth experiment- cropping

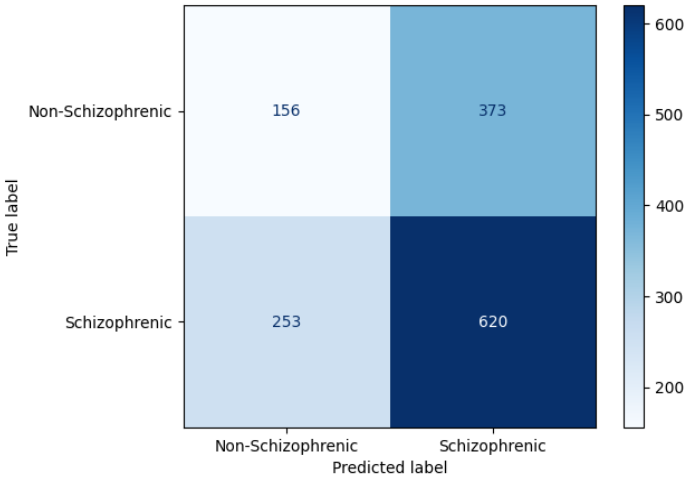

Figure 13: Confusion matrix from sixth experiment- smoothing

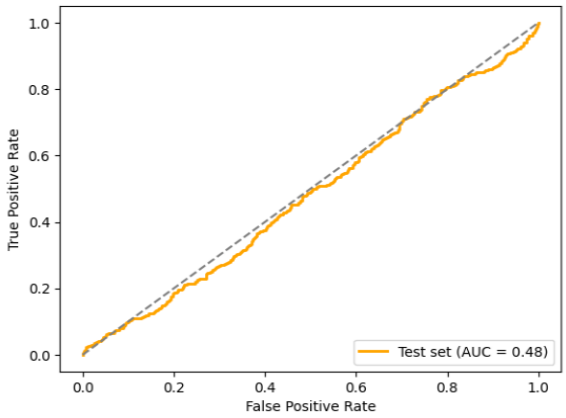

Figure 14: ROC Curve from sixth experiment- smoothing

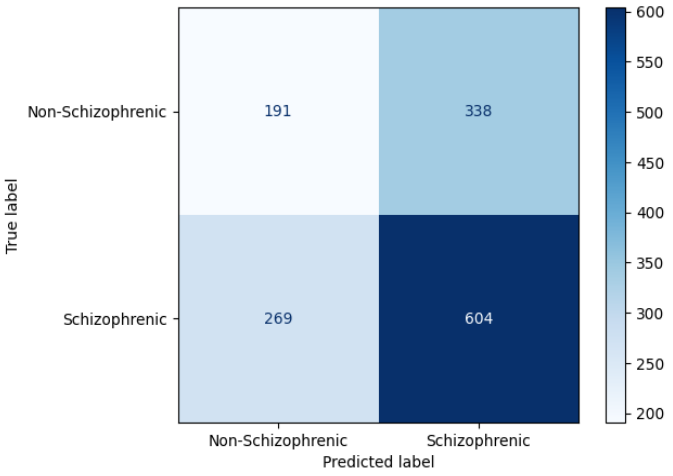

Figure 15: Confusion matrix from seventh experiment- resampling + normalization

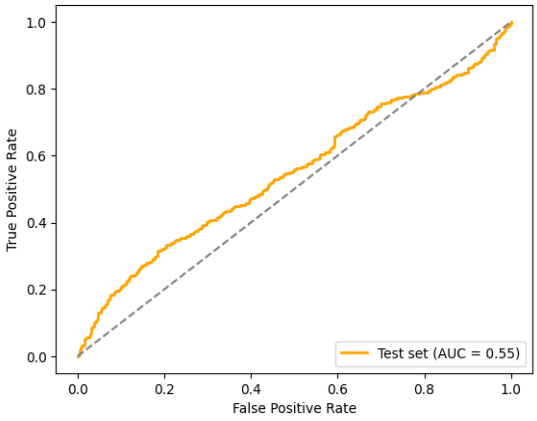

Figure 16: ROC Curve from seventh experiment- resampling + normalization

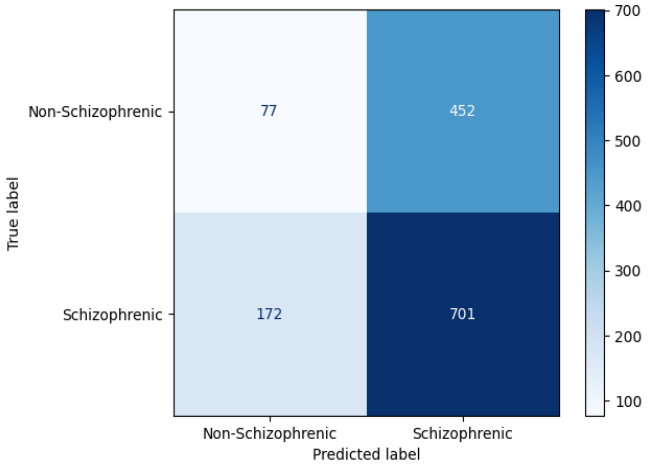

Figure 17: Confusion matrix from eighth experiment- resampling + normalization + brain extraction

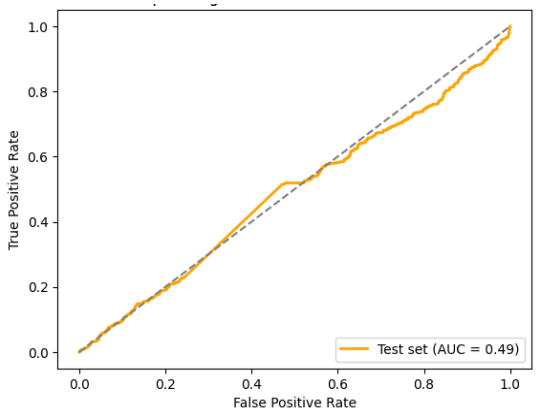

Figure 18: ROC Curve from eighth experiment- resampling + normalization + brain extraction

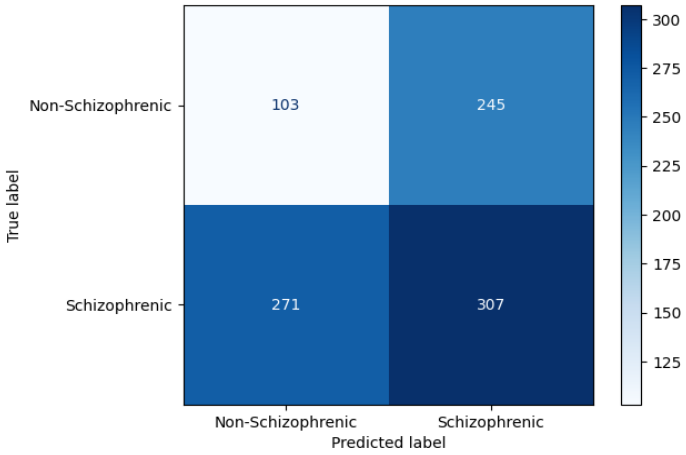

Figure 19: Confusion matrix from ninth experiment- resampling + normalization + brain extraction + cropping

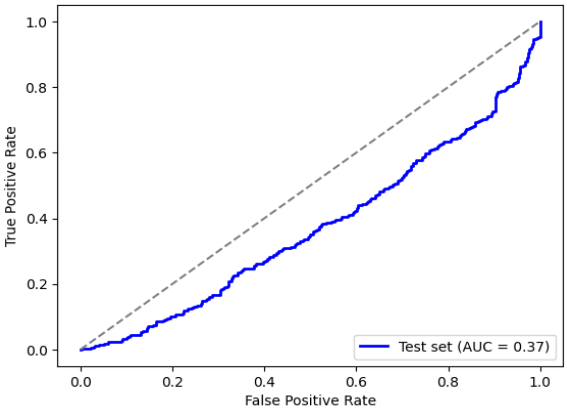

Figure 20: ROC Curve from ninth experiment- resampling + normalization + brain extraction + cropping

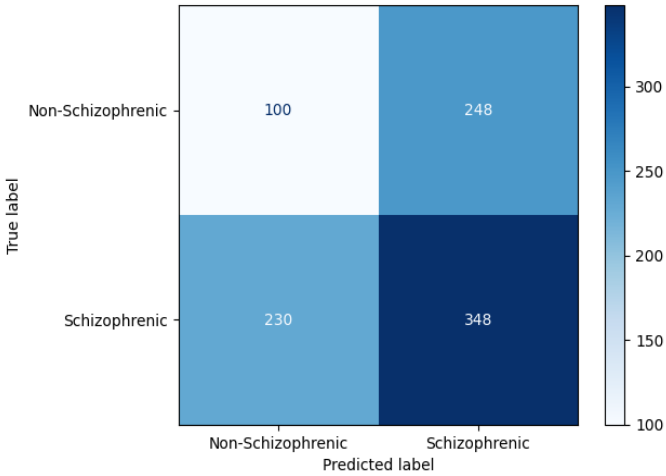

Figure 21: Confusion matrix from tenth experiment- resampling + normalization + brain extraction + cropping + smoothing

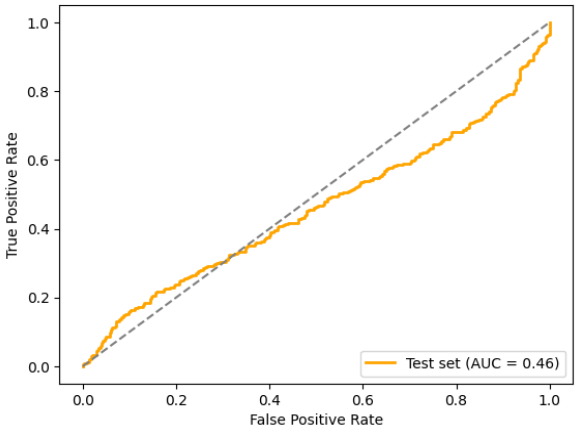

Figure 22: Confusion matrix from tenth experiment- resampling + normalization + brain extraction + cropping + smoothing