R² Heatmap by Time Window and Model 0.441 0.486 0.306 0.521 0.337 **XGBoost** 0.415 0.301 Random Forest R^2 0.5 Linear Regression 0.4 0.33 0.475 0.371 0.455 0.387 0.3 0.2 0.356 0.48 0.385 0.471 0.316 LASSO Elastic Net 0.364 0.492 0.249 0.403 0.496 0.375

Time Window Relative to Surgery