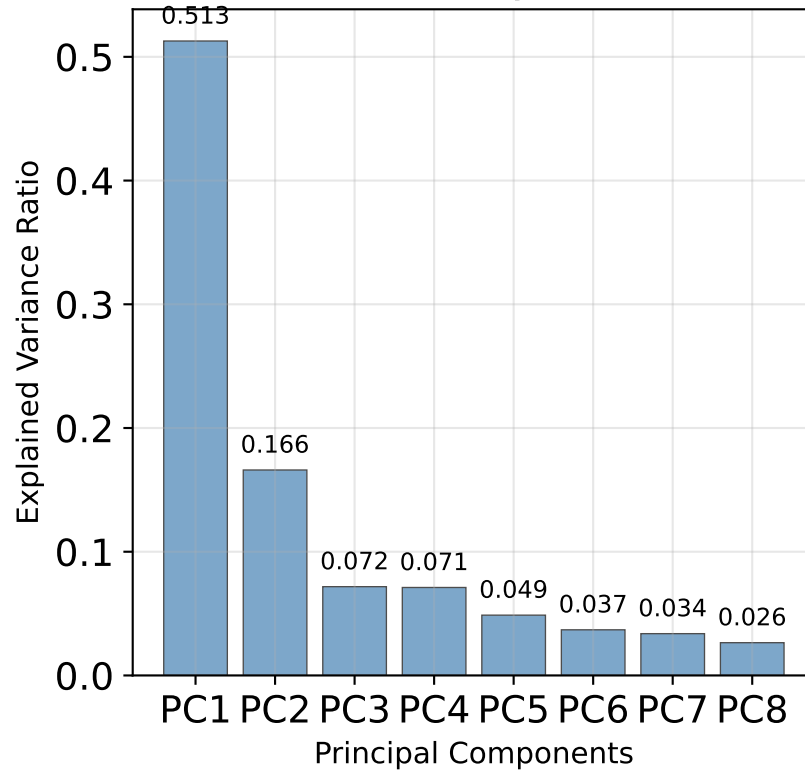
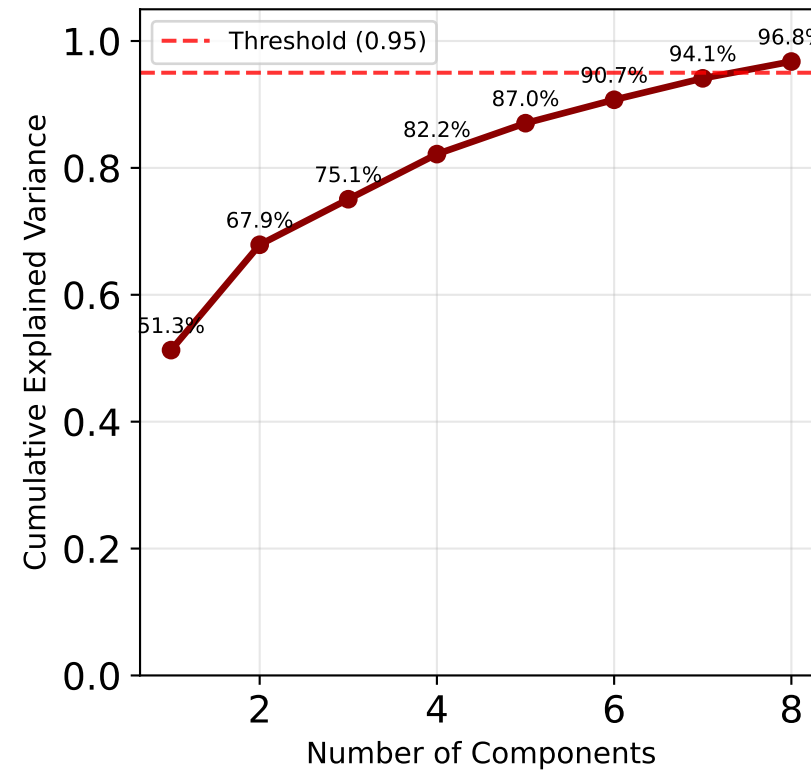


# Principal Component Analysis (PCA) Comprehensive Overview

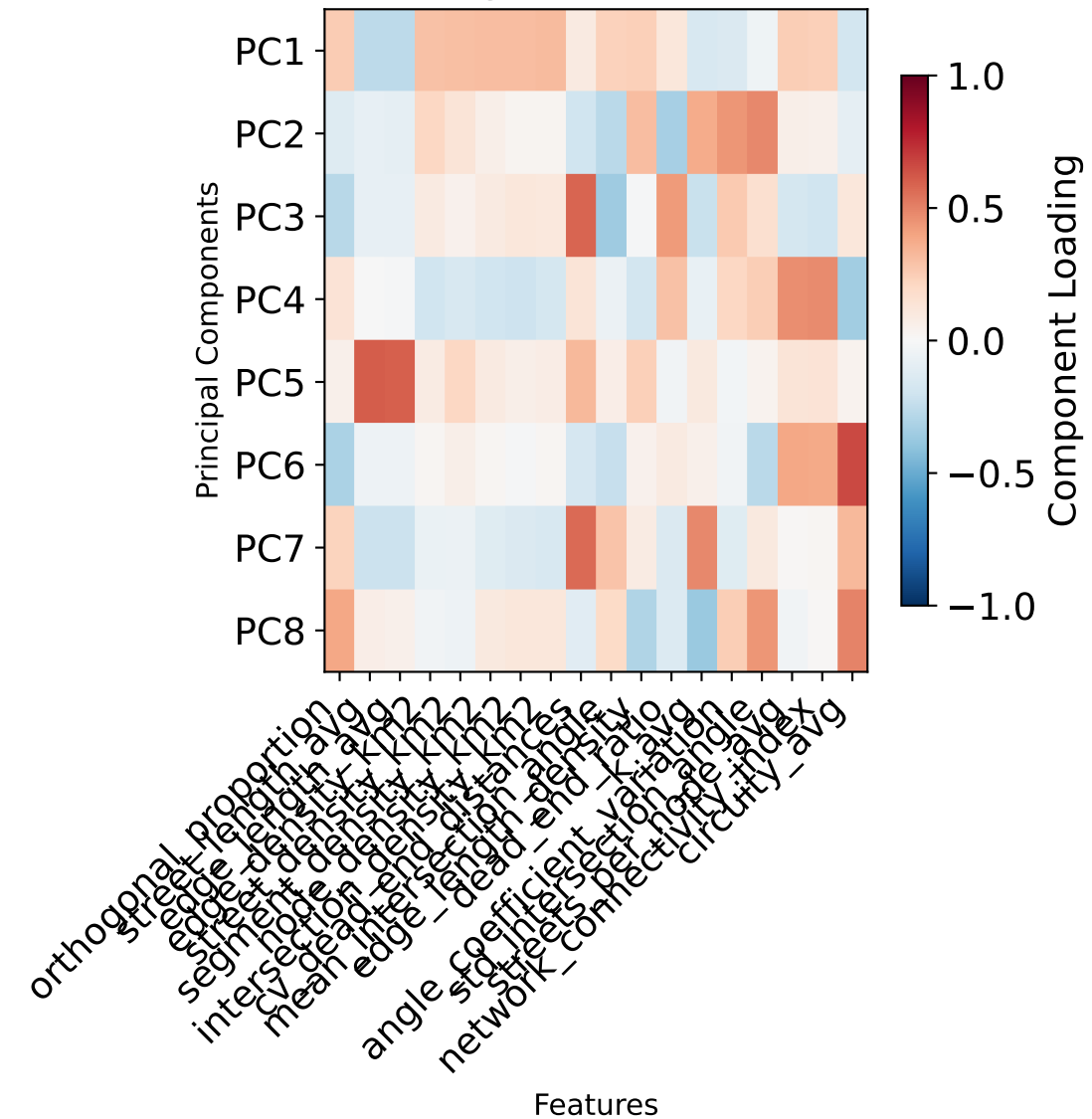
## Explained Variance Ratio by Principal Component



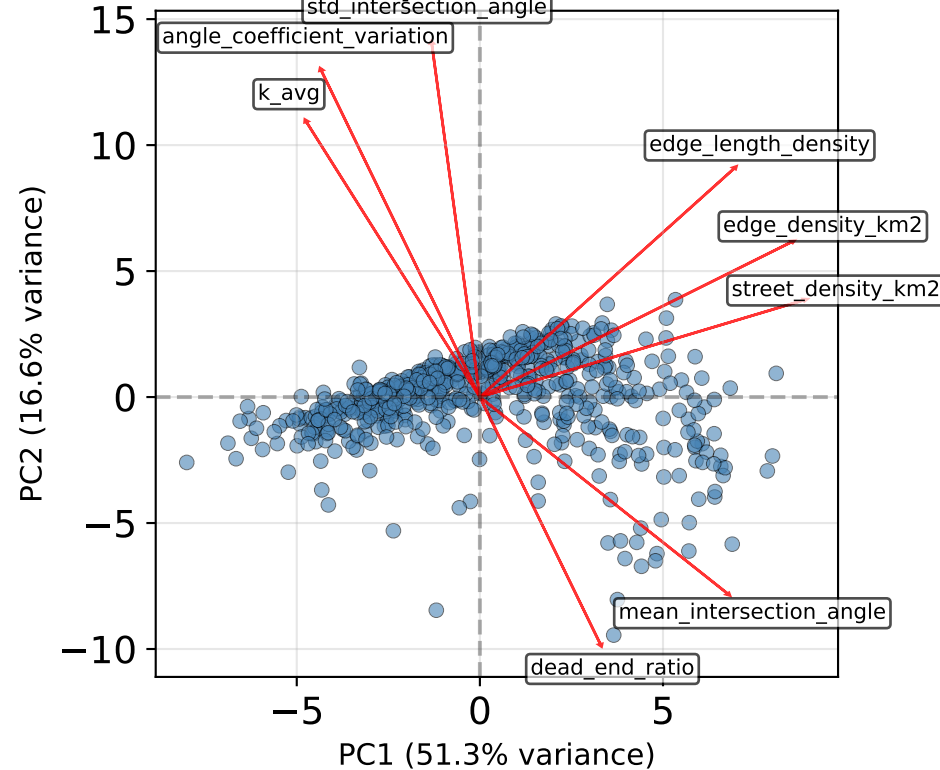
## Cumulative Explained Variance



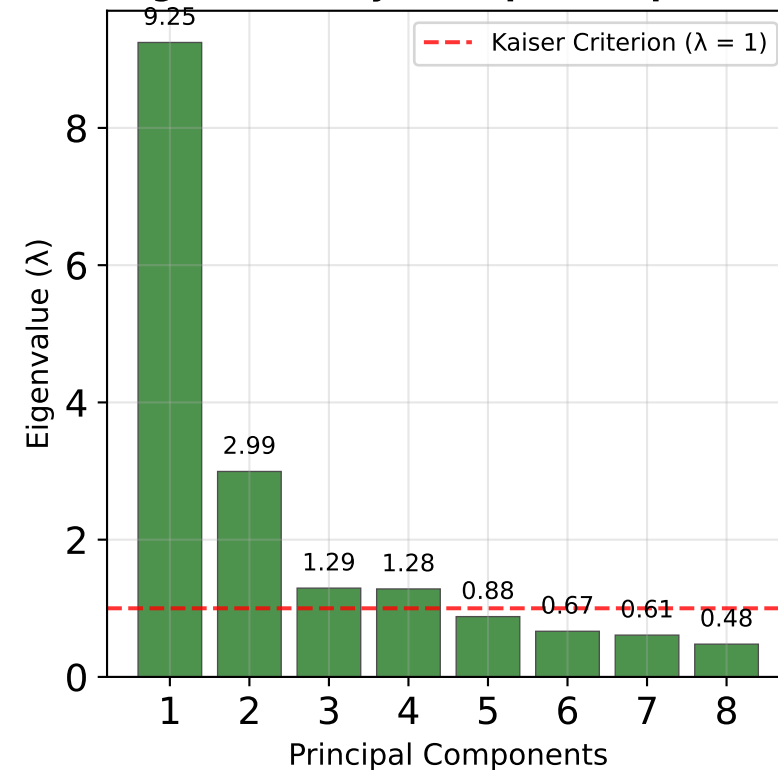
## Feature Loadings on Principal Components



## PCA Biplot (PC1 vs PC2)



## Eigenvalues by Principal Component



## Reconstruction Error vs Number of Components

