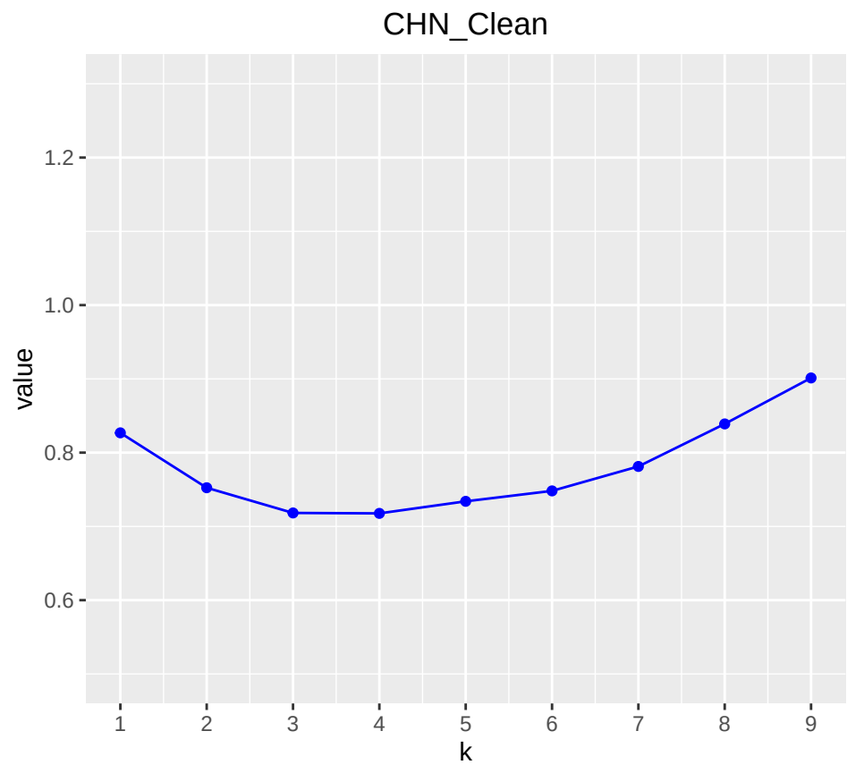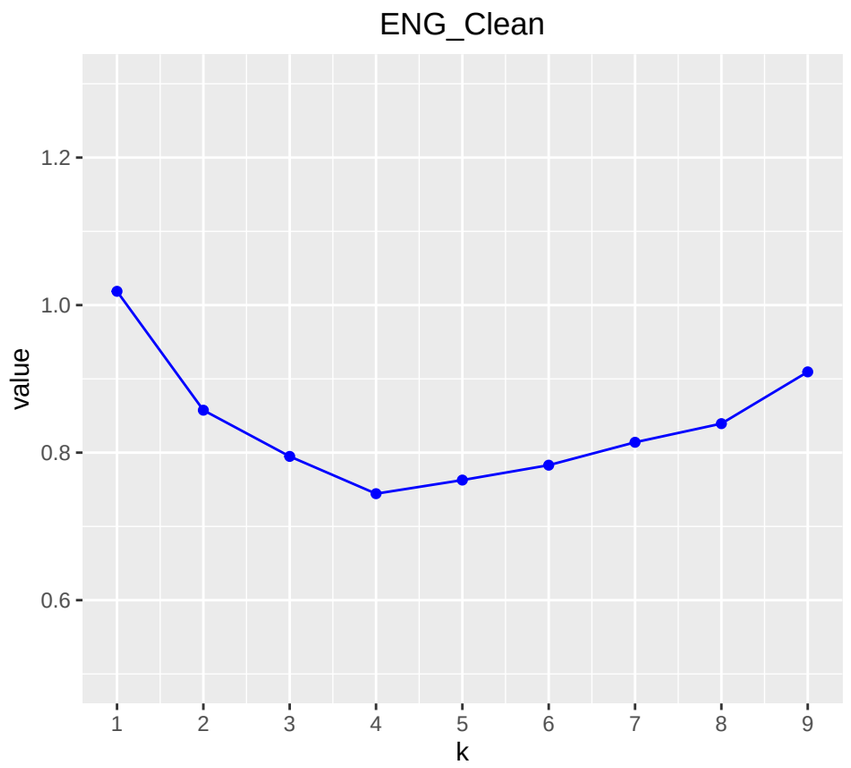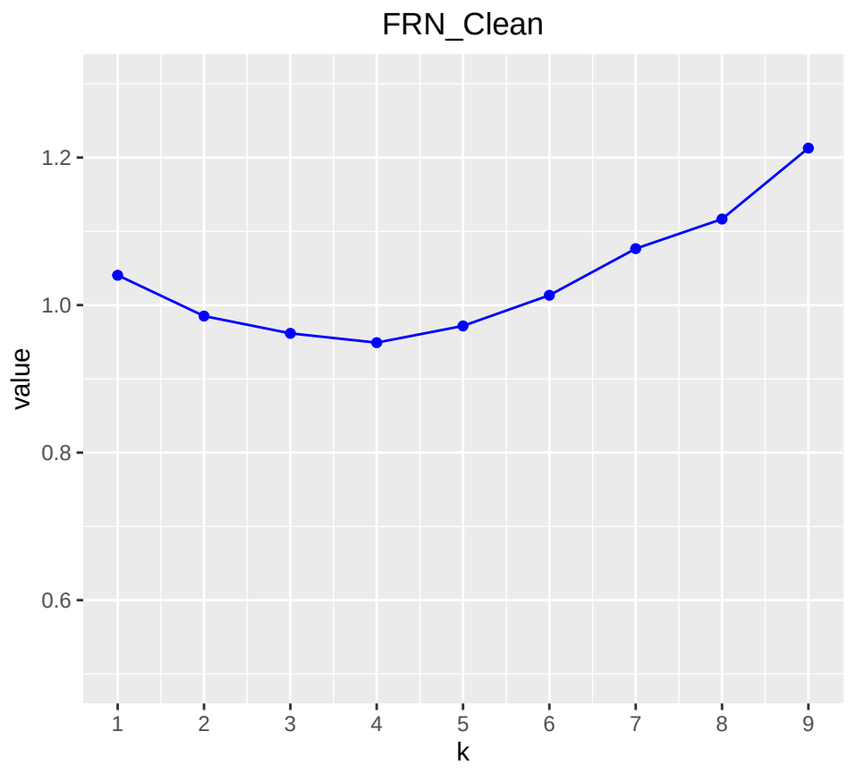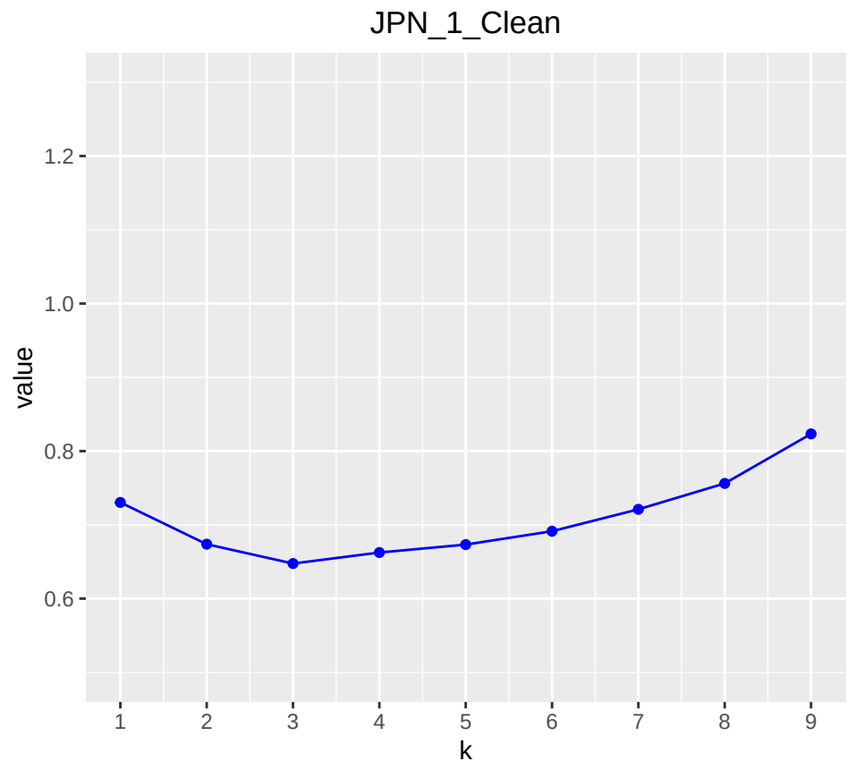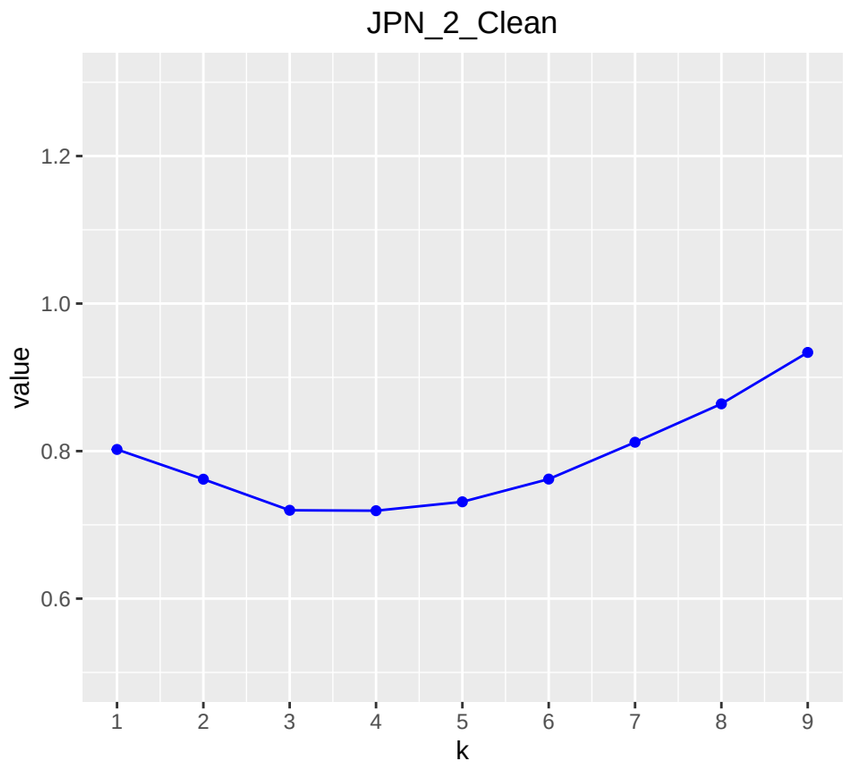Cross Validation of Rank for All Datasets