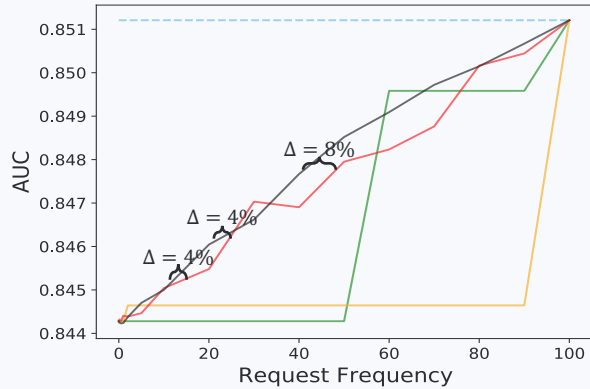
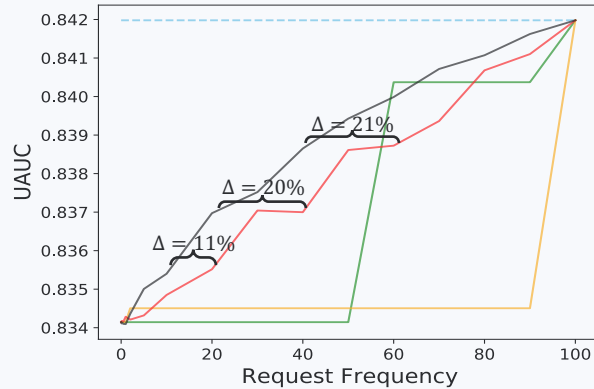


DIN

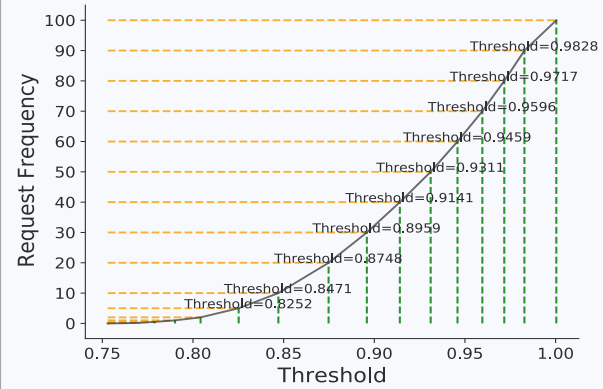
AUC



UAUC



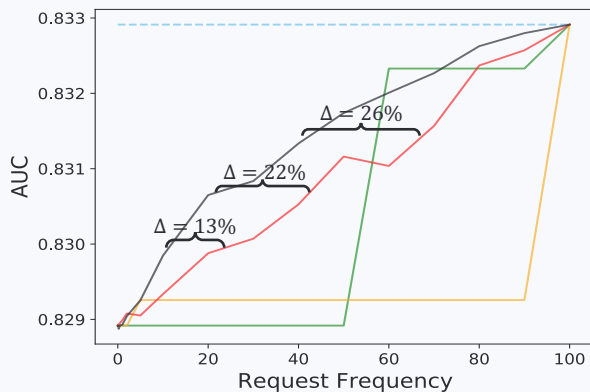
Request Frequency



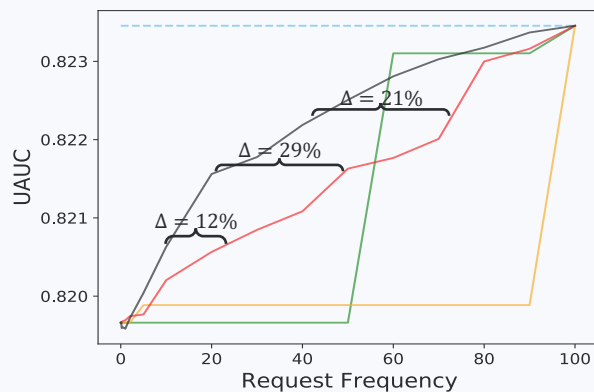
CDs

GRU4Rec

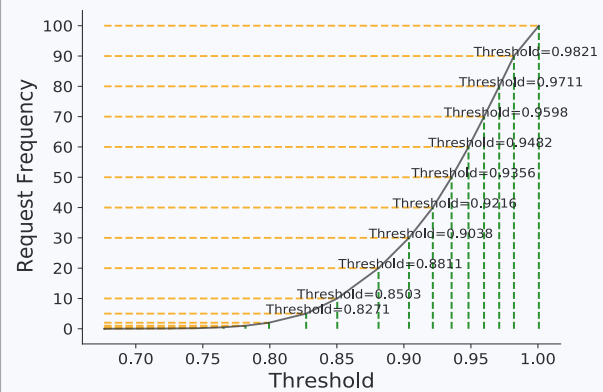
AUC



UAUC

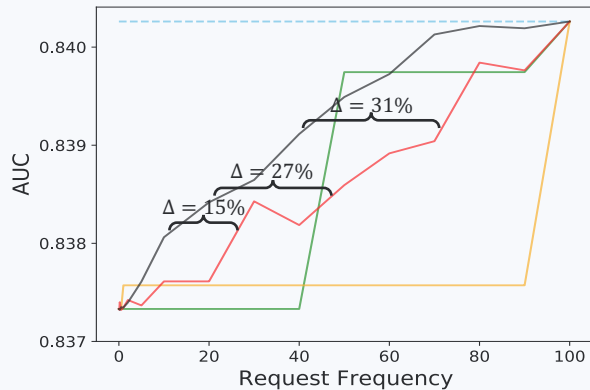


Request Frequency

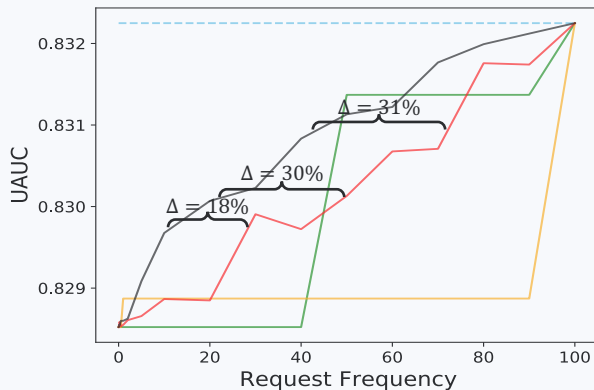


SASRec

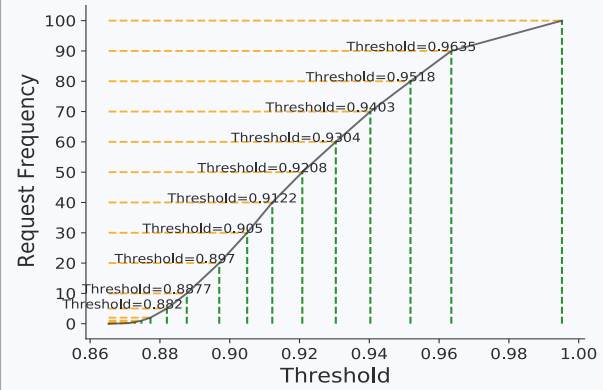
AUC



UAUC



Request Frequency



— IDEAL

— APG (LOF)

— APG (OC-SVM)

— APG (Random)

- - - APG