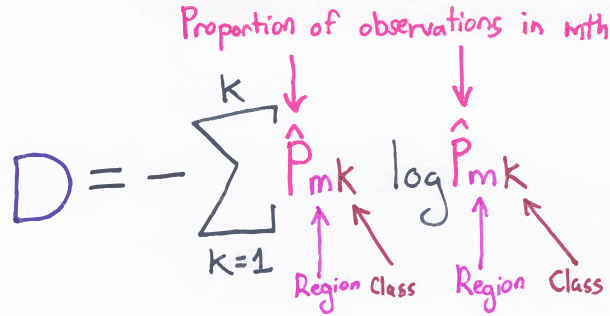
CROSS-ENTROPY



The closer D is to 0 the purer the classes.

$0 \leq -\hat{P}_{mk} \log \hat{P}_{mk}$, so the larger the value the less pure.

BY CHAIS ALBON