



# Noise in Weakly Supervised Data

Sample	Matched Labeling Functions	Assigned Label	Gold Label
<b>CHECK MY CHANNEL OUT PLEASE.</b> I DO SINGING COVERS	keyword_my, keyword_please regex_check_out	SPAM	SPAM
It looks so real and <b>my</b> daughter is a big fan and she likes a lot of your <b>songs</b> .	keyword_my short_songs	SPAM/ HAM	HAM

*Examples from the YouTube spam comments detection dataset (Alberto et al. 2015)*

- **Our goal:** change labeling functions (LFs) to class assignment **from hard to soft**







