

ABSTRACT

With the increasing volume of images users share through social sites, maintaining privacy has become a major problem, as demonstrated by a recent wave of publicized incidents where users inadvertently shared personal information. In light of these incidents, the need of tools to help users control access to their shared content is apparent. Toward addressing this need, propose an Adaptive Privacy Policy Prediction (A3P) system to help users compose privacy settings for their images. The role of social context, image content, and metadata as possible indicators of users' privacy preferences. Here propose a two-level framework which according to the user's available history on the site, determines the best available privacy policy for the user's images being uploaded. The solution relies on an image classification framework for image categories which may be associated with similar policies, and on a policy prediction algorithm to automatically generate a policy for each newly uploaded image, also according to users' social features. Over time, the generated policies will follow the evolution of users' privacy attitude.