Topic Modelling in the Information Warfare Domain

Alta de Waal Defence, Peace, Safety & Security Council for Industrial and Scientific Research PO Box 395, Pretoria

Email: adewaal@csir.co.za

Francois Mouton
Defence, Peace, Safety & Security
Council for Industrial and Scientific Research
PO Box 395, Pretoria
Email: moutonf@gmail.com

Abstract

In this paper we provide context to Topic Modelling as an Information Warfare technique. Topic modelling is a technique that discovers latent topics in unstructured and unlabelled collection of documents. The topic structure can be searched for interesting and relevant topics. The objectives of this paper is to describe topic modelling, put it in context as a useful IW technique and illustrate its use with two examples. We discuss several applications of topic modelling in the safety and security domain and list several topic model variations that are of special interest to the IW domain.