Preface:

Social networking service or Social media is a platform that enable users to share information, ideas and other form of expressions via virtual networks and communities. Social media generate huge amount of textual information every day and mining on social media streams is a challenging task as compared to traditional text streams, especially the task of detecting an event within a data stream from twitter. We are going to attempt to detect events within twitter stream. Our main approach will be to use semantic linking from different ontologies like DBpedia and YAGO to named entities in tweets aiming to enrich textual information within a tweet. We will use different supervised machine learning techniques to detect events and analyze the effect of semantic linking with named entities in tweets.