

# An Expert System to identify Classes of bragging in social media according to their characteristics

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## 1 Problem Statement

Sharing information is widely used in everyday communication and is especially well enough on social media, where individuals attempt to establish a positive opinion of themselves either directly or indirectly. Bragging is one of the most common techniques of communication which involves highlighting good quality about the speaker through positive statements for creating a favorable self-image, self-disclosing, self-promotion and self representation in social circles. It also can be interpreted negatively and lead to further violence sometimes. As an expert is a person who can solve a problem with the domain knowledge in hands it should be able to solve problems at the level of a human expert. The source of knowledge may come from a human expert and/or from books, magazines and internet. As knowledge play a key role in the functioning of expert systems they are also known as knowledge-based systems and knowledge-based expert systems. The expert's knowledge about solving the given specific problems is called knowledge domain of the expert. The task's main objective is Finding informative texts connected to bragging or not bragging. In social media ,there exit serious data imbalance issue,introduce noise and non-relevance information from external knowledge.Our target is to detect and classify the informative posts which can be related to either bragging or not bragging based on its context.Here will use text classification techniques to identify and classify the bragging and not bragging texts.We will consider the content that has not clear from the available details whether the tweet is bragging. We use two classification techniques in the case. In classification we will divide the tweet into bragging and not bragging again we divide the bragging into achievement, action, feeling,trait, possession, affiliation and not bragging. Below given a Figure 1 for display classification.

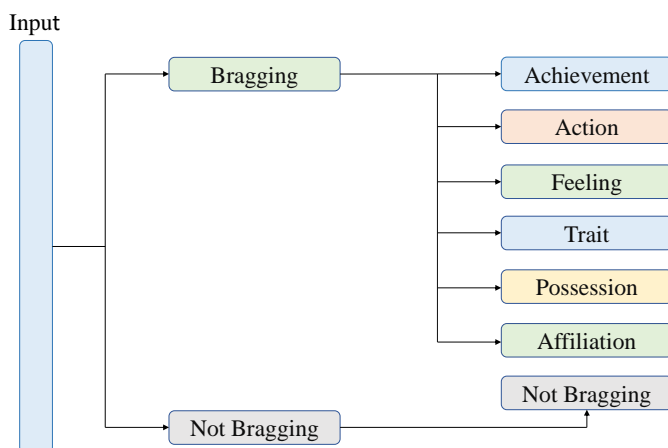


Figure 1: Binary and multiclass classification

The input text is detect and classify into achievement,action,feeling,trait, possession, affiliation and not bragging. Where achievement, action, feeling, trait, possession, affiliation are different example of

different types of bragging. When someone achieves anything, especially after much effort, it is referred to as an accomplishment or achievement. Action referred to as an intentional, aware act that involves either physical or mental activity. Feeling is an emotional state or reaction. Trait is a distinctive attribute or characteristic, particularly one's own. Possession refers to someone's sentiments and actions toward or toward another person's desire to receive only that person's affection and attention and refuses to share it with anyone else. Affiliation means a relationship, such as with a group, club, or organization. We'll infer that a tweet isn't about bragging if it contains bragging remarks, they belong to someone other than the tweet's author, or it's unclear what the author's connection is to the people or things it mentions.

## 2 Aims and Objectives

Our main goal is to identification and classification of Bragging in Social Media. Bragging classification aims to predict the bragging type for a social media text. Sharing information helps individuals to self disclosing, self-promotion. Discussions online often host toxic posts, meaning posts that are rude, self disclosing, disrespectful, or unreasonable and which can make users want to leave the conversation. Identification and classification helps us to classify the posts as bragging or not bragging. Bragging can be different types such as self-disclosing, self-representation, show up achievement, action etc. Being confidence is a positive trait. Being confident makes it simpler to participate in conversations and meet new friends. However, they must be aware about how they choose to show their confidence because if they do it incorrectly, they can end up frightening people rather than attracting them. Bragging about individuals achievements, personal qualities, experiences and possessions can have a negative impact on their relationships. They'll probably end up with more enemies than friends if you treat your friendships as rivalries or exploit your achievements to put down other people. It's acceptable to be glad when everything seem to be going well for you and to be proud of their achievements. However, if they create the habit of bragging, they face the danger of losing friends and making people hesitant of approaching you. So, identification and classification of text (bragging or not bragging) is important so that we can express our feelings action, achievements according to the situation to maintain social circle peacefully. This will help us to remove conflict in our online and offline life by maintaining a boundary. We can take decision which information can be share and which are not to maintain balance between friends, relatives and in our social circle. It has been widely used in academic and business, supporting social scientists in their study of the relationship between bragging and other traits (such as gender, age, economic status, and occupation), enhancing online users' strategies for self-presentation, and many practical NLP applications 2 in business, economics, and education.