

Effect of Topic on the Arabic Language Used in Social Networks and Mobile Phone Communications

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This study focuses on the effects of topic on the Arabic language used in Facebook, Twitter, News websites, Blogging websites, and Mobile Phones. The study was carried out using ٨,٥٣٨ text samples including ٢,٤٠٧ from Facebook, ١,٥١٤ from Twitter, ١,٥٠٤ from News websites, ٥١١ from Blogging websites, and ٢,٥٠٢ from Mobile phone messages. The sample topics were categorized into nine categories: Social, Political, Religious, Scientific, Academic, Athletic, Economic, Artistic, and others. Several Arabic language aspects were studied, including:

- Language: Arabic, English, or mixed
- Alphabet: Arabic, English, or Arabizi, and the use of symbols
- Dialect: formal, slang, or mixed
- Style: normal, metaphor, cynical, vulgar, or other.
- Foreign, common, and idiomatic expressions present in the text
- Foreign prefixes and postfixes and hybrid Arabic/English words
- Abbreviations and morphological features
- Language quality including quality level and spelling, lexical, morphological, and grammatical errors

This paper will show a comparison between these topics on the Social Networks and Mobile phone as far as their effects on the Arabic language used.