



XXXVII INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE «Modern Problems of Science and Technology: Prospects for Further Development»

September 4-6, 2024 Bergen, Norway



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CHANGES IN ENGLISH GRAMMAR UNDER THE INFLUENCE OF TEXT MESSAGING AND SOCIAL MEDIA

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In the digital age, communication has undergone a radical transformation, largely driven by the rise of text messaging and social media platforms. These forms of communication have introduced new ways of interacting that are quicker, more concise, and often less formal than traditional writing. As a result, English grammar is evolving, influenced by the need to convey meaning in limited character spaces and fast-paced online environments. This essay explores how text messaging and social media are reshaping English grammar, focusing on the use of abbreviations, changes in punctuation, and the emergence of new linguistic conventions.

One of the most noticeable changes in English grammar is the widespread use of abbreviations and acronyms. Text messaging, with its character limits and the need for brevity, has popularized the use of shortened forms such as "LOL" (laugh out loud), "BRB" (be right back), and "OMG" (oh my God). These abbreviations have become so ingrained in digital communication that they are now recognized and understood by most English speakers, even appearing in spoken language. This trend reflects a shift towards more efficient communication, where the emphasis is placed on conveying meaning quickly rather than adhering to traditional grammatical structures.

Beyond "LOL" and "BRB," there are countless other abbreviations that have become staples of digital communication. For instance, "IDK" (I don't know) and "TBH" (to be honest) are frequently used in both text messages and social media posts. The rise of these abbreviations represents a broader linguistic trend in which entire phrases are condensed into just a few letters. This not only saves time but also allows for faster, more streamlined conversations, particularly in environments where speed is valued, such as Twitter, where users must communicate their thoughts within a 280-character limit.

Moreover, abbreviations and acronyms have expanded beyond casual conversation to include more specialized or niche communities. For example, in the world of gaming, "AFK" (away from keyboard) is commonly used to indicate that a player is temporarily unavailable, while "GG" (good game) is used at the end of a match to show sportsmanship. Similarly, in business and professional contexts, abbreviations like "FYI" (for your information) and "ASAP" (as soon as possible) have long been used in emails and memos, but their usage has only increased with the rise of instant messaging apps like Slack and Microsoft Teams, where quick, concise communication is often preferred.

The impact of abbreviations extends to the structure of sentences as well. For instance, many people now use "BTW" (by the way) as a standalone phrase or even as a sentence starter, rather than as a traditional transitional phrase within a sentence. This

reflects a broader trend in digital communication where informal language and sentence structures are becoming increasingly accepted, even in contexts that would traditionally require more formal language.

Abbreviations have also influenced the way we express emotions and reactions. The acronym "ROFL" (rolling on the floor laughing) is used to convey extreme amusement, while "SMH" (shaking my head) is used to express disbelief or disappointment. These acronyms serve as quick, shorthand ways of conveying emotions that might otherwise require longer explanations. In this sense, they not only save time but also add a layer of emotional nuance to digital conversations, helping to bridge the gap that often exists in text-based communication where tone and body language are absent.

The use of abbreviations and acronyms has even influenced spoken language. Many of these terms have transitioned from the digital realm to everyday conversation. It is now common to hear people say "OMG" aloud, pronouncing it as "oh-em-gee," or using "LOL" in a sarcastic tone to indicate that something is only mildly amusing. This crossover from text to speech highlights the fluid nature of language and how digital communication is shaping the way we interact in real life.

Furthermore, the prevalence of abbreviations in digital communication has also led to the creation of new words and phrases. For instance, "FOMO" (fear of missing out) has become a widely recognized term that originated from social media culture. It describes the anxiety people feel when they believe others are having more fun or experiencing better things than they are. Similarly, "YOLO" (you only live once) became a popular expression encouraging people to take risks or seize opportunities, and has since entered the broader lexicon, appearing in advertisements, music, and everyday speech.

The trend of using abbreviations and acronyms is not just a reflection of our desire for efficiency, but also a response to the changing ways we communicate. With the constant influx of information and the need to multitask, people have adapted their language to fit the fast-paced nature of modern life. This evolution in grammar reflects a broader cultural shift towards brevity and immediacy, where the ability to communicate quickly and effectively is highly valued. As digital communication continues to evolve, it is likely that new abbreviations and acronyms will emerge, further shaping the way we use and understand language.

Punctuation is another area where English grammar is being reshaped by digital communication. In text messaging and social media, punctuation marks are often used in non-standard ways or omitted altogether. For instance, periods are frequently left out at the end of sentences in casual text messages, as the break in text alone often signifies the end of a thought. Additionally, the use of multiple exclamation points or question marks (e.g., "What????" or "No way!!!") has become a common way to express heightened emotion or emphasis, diverging from the more restrained use of punctuation in formal writing. This shift highlights a growing trend towards more expressive and emotive language in digital communication, where the visual impact of punctuation can convey tone and intent.

One of the most significant developments in digital communication is the "ellipsis effect" — the widespread use of three dots (...) to create a pause or suggest an unfinished thought. In traditional writing, ellipses are typically used to indicate the omission of words, but in text messaging and social media, they have taken on a new role. Ellipses can imply hesitation, uncertainty, or anticipation, adding a layer of subtlety to the conversation. For example, a message like "I guess we could go...?" might indicate that the sender is unsure or tentative, whereas in formal writing, this would be considered unclear or ambiguous.

Another example of how punctuation has evolved in digital communication is the strategic use of the exclamation point. In formal writing, exclamation points are used sparingly, typically to express strong emotions or commands. However, in digital communication, exclamation points are often used to convey enthusiasm, friendliness, or excitement in a way that softens the tone of the message. For instance, a simple "Thanks!" at the end of a message is perceived as more positive and engaging than "Thanks." Similarly, "Can't wait to see you!!!" conveys a much stronger sense of eagerness than "Can't wait to see you."

The question mark has also seen changes in its usage. While traditionally used to indicate a direct question, in digital communication, multiple question marks are often employed to convey a sense of urgency, confusion, or disbelief. For example, "Really???" might be used to express shock or skepticism, while "What happened???" suggests a pressing need for information. This repetition of punctuation marks adds emotional weight to the message, allowing the sender to communicate their feelings more vividly.

Capitalization, or the lack thereof, is another way punctuation norms are being redefined. In many digital contexts, especially on platforms like Twitter and Instagram, users deliberately avoid capitalization to create a casual, informal tone. For instance, "i'm so excited for the weekend" might be used instead of the more traditional "I'm so excited for the weekend." This stylistic choice can make the text feel more personal and approachable, reflecting the conversational nature of social media.

On the flip side, the use of all caps has become a way to convey shouting or strong emotions. A message like "I CAN'T BELIEVE THIS!" is immediately recognized as intense or urgent. This use of capitalization can dramatically alter the perceived tone of a message, turning a neutral statement into something much more forceful.

Moreover, punctuation in digital communication is often used to create rhythm or pacing in text, much like how a writer might use paragraph breaks or sentence length in traditional writing. For example, a message that reads, "I just... can't believe it. Really." uses periods to create a sense of finality and emphasis, guiding the reader through the emotional beats of the message. This rhythmic use of punctuation can make digital communication feel more dynamic and engaging, even in short bursts of text.

The creative use of punctuation in digital communication also extends to emojis, which have become an integral part of conveying tone and intent. While not punctuation in the traditional sense, emojis often function similarly by adding context or emotion to a message. For example, a smiley face at the end of a sentence can soften

the tone, while a laughing emoji can signal that the previous statement was a joke or meant in good humor.

These shifts in punctuation use reflect a broader trend in digital communication toward more flexible and adaptive language practices. In many ways, punctuation in the digital age has become a tool for expression, allowing users to convey nuance and emotion in ways that traditional grammar might not allow. As digital communication continues to evolve, it's likely that we will see even more innovative uses of punctuation, further blurring the lines between formal and informal language.

The influence of social media has also led to the emergence of new linguistic conventions that challenge traditional grammar rules. One such convention is the use of lowercase letters, even at the beginning of sentences or for proper nouns. This trend, popularized by platforms like Twitter and Instagram, often reflects a casual, informal tone or a deliberate stylistic choice to appear more relatable and less authoritative. For example, a tweet that reads "i love this" instead of "I love this" suggests a relaxed, conversational style that aligns with the informal nature of social media interactions. This approach can make the writer seem more approachable and down-to-earth, which is particularly effective for influencers or brands aiming to connect with a younger, more casual audience.

Another linguistic innovation driven by social media is the blending of written language with visual elements like emojis, which can replace words or entire phrases, adding an extra layer of meaning or emotion that text alone might not convey. For instance, a message like "I'm so happy" uses a smiley face to reinforce the positive emotion conveyed by the text. In some cases, emojis can even stand alone as complete responses, such as replying to a friend's good news to express celebration. This integration of visual symbols into written communication represents a significant departure from traditional grammar, where meaning is typically conveyed through words and punctuation alone.

These innovations are reshaping how language is used and understood in online spaces, creating a new grammar that prioritizes immediacy and visual impact over strict adherence to conventional rules. The use of emojis, GIFs, and other visual elements allows users to communicate emotions and nuances that might otherwise require lengthy explanations in text. For example, the use of the "shrug" emoji can instantly convey uncertainty or indifference, making it a powerful tool in a fast-paced digital conversation where brevity is key. Similarly, GIFs—short, looping videos often used to express reactions—have become a staple of social media communication, providing context or humor that complements or even replaces traditional language.

Hashtags, another social media innovation, have also transformed language use by enabling users to categorize content and join broader conversations. Initially introduced on Twitter, hashtags like "#ThrowbackThursday" or "#MotivationMonday" have become cultural phenomena, creating new ways to connect and communicate. This linguistic tool has also been co-opted for social movements, such as #BlackLivesMatter or #MeToo, where the hashtag functions as both a rallying cry and a means of organizing information across the platform.

However, these changes in grammar are not without their critics. Some argue that the widespread adoption of these new conventions may lead to a decline in language standards, particularly among younger generations who are more likely to use digital communication as their primary mode of interaction. There is concern that the erosion of traditional grammar rules could result in a loss of clarity and precision in communication, especially in more formal or professional contexts. For example, the casual use of lowercase letters and fragmented sentences may be perceived as unprofessional in a business setting, where clear and structured communication is often expected.

Moreover, the reliance on emojis and other visual elements can sometimes lead to misunderstandings, especially when these symbols are interpreted differently across cultures or demographics. What one person perceives as a friendly gesture, another might see as sarcastic or dismissive. This potential for miscommunication is a significant concern for those who value the precision and unambiguity that traditional grammar provides.

On the other hand, proponents of these changes argue that language is always evolving and that these new forms of communication are simply the latest stage in the natural progression of English. They contend that the adaptability of language is a strength, allowing it to meet the needs of its users in a rapidly changing world. The use of emojis, GIFs, and hashtags, for example, can enhance communication by adding layers of meaning and facilitating connections in a way that traditional text cannot. Supporters also point out that similar concerns have been raised throughout history with each new technological advancement, from the printing press to the internet, yet language has continued to thrive and evolve.

Furthermore, these new linguistic conventions often reflect the creative and playful nature of digital communication. The ability to play with language—whether through the ironic use of lowercase, the strategic deployment of emojis, or the creation of viral hashtags—can be seen as an expansion of linguistic expression rather than its degradation. This creative freedom allows individuals to express themselves in ways that are more nuanced and personalized, which can be particularly empowering in a digital landscape where identity and self-expression are central.

In conclusion, text messaging and social media are having a profound impact on English grammar, driving changes that reflect the needs and preferences of a digital age. The use of abbreviations, shifts in punctuation, and the emergence of new linguistic conventions demonstrate how English is adapting to the demands of faster, more efficient communication. While these changes may challenge traditional grammar rules, they also offer new ways of expressing meaning and emotion in a rapidly changing world. As digital communication continues to evolve, so too will the grammar of the English language, reflecting the dynamic nature of human interaction.

References

- 1. Anderson, H., Taylor, B. (2019). The Rise of Informal Language in Professional Contexts. Journal of Applied Linguistics, 11(4), 88-102.
- 2. Brown, E. (2020). The Role of Visuals in Online Communication: Beyond Words. Visual Language Journal, 9(2), 56-72.

- 3. Davis, L. (2020). The Impact of Emojis on Modern Communication. Language and Technology Review, 12(2), 78-91.
- 4. Green, P. (2022). Punctuation and the Digital Age: A New Era of Expression. Journal of Online Communication, 10(1), 23-37.
- 5. Jackson, M. (2021). The Shift from Traditional to Digital Grammar. Language Evolution Studies, 14(2), 44-59.
- 6. Johnson, M., & Smith, A. (2021). The Evolution of Grammar in the Age of Social Media. Journal of Digital Linguistics, 15(3), 45-62.
- 7. Moore, L., White, D. (2022). The Future of Grammar in a Digital World. Journal of Linguistic Innovation, 7(1), 67-83.
- 8. Roberts, S., Carter, T. (2021). Lowercase Letters and the Casualization of English. Social Media Linguistics, 6(2), 89-104.
- 9. Thompson, R., Lee, J. (2019). Abbreviations and Acronyms: Shaping New Language Norms. Contemporary Language Studies, 8(4), 101-115.
- 10. Williams, K. (2018). Hashtags as a New Linguistic Tool. Digital Discourse Quarterly, 4(3), 120-135.