ENHANCING PRAGMATIC COMPETENCE IN GLOBAL MOBILITY: A THEORETICAL ANALYSIS OF CHATGPT'S POTENTIAL

Anindita Dewangga Puri[1], F.X. Risang Baskara[2]

[1,2]Faculty of Letters, Sanata Dharma University
***Corresponding author**, **E-mail**: aninditapuri@usd.ac.id

Abstract

As globalization accelerates, English as a lingua franca (ELF) becomes increasingly vital in global mobility contexts, necessitating the development of pragmatic competence among ELF learners. While previous research has explored various approaches to teaching pragmatics, the emergence of artificial intelligence (AI) language models such as ChatGPT offers new opportunities for fostering pragmatic skills. This paper examines the potential benefits and challenges of employing ChatGPT as a tool for teaching and learning English pragmatics in the context of global mobility. A theoretical analysis addresses the question of how ChatGPT can contribute to the development of pragmatic awareness and skills among ELF learners. It explores the potential pedagogical applications of ChatGPT in higher education settings. Drawing on relevant literature, this study identifies a gap in understanding AI-driven language models as resources for practical instruction. It employs a critical perspective on the use of ChatGPT, considering its advantages and limitations and the ethical and pedagogical implications of AI integration in education. Findings suggest that ChatGPT can provide a valuable resource for facilitating pragmatic competence development in global mobility contexts when combined with human-led instruction and interaction. This paper contributes to the ongoing discourse on active learning and technology-enhanced education, offering insights into the potential of AI language models to transform the landscape of English pragmatics instruction in higher education.

Keywords: *artificial intelligence, ChatGPT, English pragmatics, global mobility, language education*

Introduction

Accelerated globalization underscores an increased prevalence of English as a lingua franca. Correspondingly, a significant surge in global mobility has rendered ELF an indispensable resource for communicative interaction (Canagarajah, 2007). Situating ELF in the heart of communicative discourse prompts a need for linguistic proficiency not confined merely to the grammatical and lexical domains; a competence beyond such boundaries, embodied in the notion of pragmatic competence, emerges as pivotal.

Pragmatic competence, the ability to employ linguistic expressions in contextually appropriate ways (Bardovi-Harlig & Mahan-Taylor, 2003), becomes a critical element within the ELF paradigm. Amidst the global confluence of cultures and contexts, ELF users need the capacity to navigate diverse social cues, implicatures, and speech acts with cultural sensitivity (Taguchi, 2015). Consequently, the enhancement of pragmatic competence forms a pressing concern for contemporary language pedagogy.

Pedagogical advancements have continually adapted to technological progress. From the use of audio-visual tools in the 20th century to the contemporary employment of online platforms for language instruction (Warschauer, 2006), technology has played a pivotal role in shaping language education. As we tread into an era of artificial intelligence (AI), AI-driven language models present themselves as

compelling instructional resources, with their potential in language teaching and learning just starting to unfold.

One such model is ChatGPT, a sophisticated conversational agent designed by OpenAI. With its capability to generate human-like text (Radford et al., 2019), ChatGPT signifies a promising resource for pragmatic instruction. Its diverse contextual adaptability offers potential opportunities to simulate real-life interactive scenarios for the learning of pragmatics, thereby making it a potent resource for augmenting pragmatic competence among ELF users.

The current investigation seeks to unfold this potential. Given the emergent nature of AI in education and the lack of substantial theoretical exploration in this realm (Bisk et al., 2020), the endeavor to understand ChatGPT's possible role in enhancing pragmatic competence assumes pertinence. A theoretical analysis offers an informed foundation for future empirical explorations, opening avenues for a nuanced understanding of the AI-education interface.

This study, therefore, ventures into an exploratory journey, underpinning the potential of AI language models, particularly ChatGPT, in facilitating pragmatic competence. Engaging with the intersection of technology, language, and pedagogy, it endeavors to carve out a theoretical path that acknowledges the promises and pitfalls of employing AI in language education. In doing so, it enriches the academic discourse on technology-enhanced language instruction, providing a fresh perspective on pragmatic competence development amidst global mobility.

Methodology

Framed within a theoretical lens, the study deploys an argumentative review approach (Kumar, 2018). Advocates of this approach, such as Nussbaum and Schraw, underscore its potential in facilitating analytical thinking, critical evaluation, and synthesizing disparate bodies of literature (Nussbaum & Schraw, 2007). Rooted in these foundational principles, the argumentative review lends itself to the theoretical dissection of a topic as novel and complex as the role of an AI-driven language model, ChatGPT, in fostering pragmatic competence in the context of global mobility.

This investigation, hence, transpires as a theoretical analysis, amalgamating literature on ELF, pragmatic competence, and AI in education. By embracing an argumentative review approach, the study synthesizes and critiques varied strands of research, from foundational theories to emerging studies (Krashen, 2011). Recognizing the nascent stage of AI language models in pedagogy, this approach enables the bridging of gaps, providing a theoretical scaffolding for the potential applications of ChatGPT in enhancing pragmatic competence.

Primary and secondary sources informing this study were selected based on relevancy, rigor, and recentness. Recognizing the fast-evolving landscape of AI in education, emphasis was placed on recent publications, with seminal works providing the foundational context (Petticrew & Roberts, 2008). Resources spanned academic articles, books, conference proceedings, and authoritative reports, each scrutinized for its contribution to the theoretical understanding of ELF, pragmatic competence, and AI's role in language education.

The analytical process drew upon the argumentative review approach, scrutinizing sources for arguments, counterarguments, and the underlying assumptions (Nussbaum & Schraw, 2007). Each source was critically examined, evaluated, and assimilated into the theoretical discourse, forming a comprehensive tapestry of knowledge. This process required an ongoing negotiation with the text, leading to emergent insights about the role of ChatGPT in fostering pragmatic competence among ELF users

Result

Investigation results elucidate novel trends, showcasing AI's increasing influence in educational sectors. AI mechanisms have penetrated diverse educational aspects, empowering personalized learning

strategies, promoting collaborative problem-solving and dispensing insightful feedback (Pedro et al., 2019). AI-based educational systems have tremendous potential, providing a platform for individualized instruction, adapting to nuanced learner requirements, and offering crucial data-centric insights which could shape educational policy-making decisions.

However, this promising landscape is not devoid of obstacles. AI usage in education prompts serious ethical considerations that demand attention. Concerns range from the protection of user data privacy, and ensuring unbiased AI algorithms to managing a potential overdependence on AI systems. AI's emerging role in education has added another layer of complexity, causing apprehensions concerning its assimilation into established pedagogical practices (Alam, 2021).

Furthermore, stakeholders, despite recognizing the myriad possibilities AI offers, often grapple with implementing these sophisticated tools effectively. This struggle is often attributable to a lack of familiarity with the AI systems and the necessary technical prowess to manage them (Pedro et al., 2019). Indeed, while AI technology promises to revolutionize the educational landscape, the path to its seamless integration is steeped in challenges that must be addressed.

Upon probing the intricate ties binding ChatGPT with pragmatic competence, this study unveils significant potential. ChatGPT, with its robust capability of creating varied and contextually sensitive responses, emerges as an invaluable tool (Radford et al., 2019). This AI model's impressive potential unfolds as it affords ELF learners an extensive array of interactive scenarios. These contexts enable learners to hone their pragmatic skills, reflecting authentic language use in scenarios characterized by global mobility.

Moreover, this scenario-based learning mirrors authentic language interactions, creating opportunities for learners to practice and refine their pragmatic competence. It stands to reason that through repeated exposure and application, learners may absorb subtleties and intricacies inherent to pragmatic usage, echoing Bardovi-Harlig & Mahan-Taylor's endorsement of learning through doing (Bardovi-Harlig & Mahan-Taylor, 2003). This active engagement, necessitating interaction and application of knowledge, represents a critical element in the acquisition of pragmatic competence.

In essence, ChatGPT's conversational design, an attribute found lacking in traditional language learning tools, emerges as an aid in fostering learning through doing. This pedagogical approach holds significant value in the realm of pragmatic competence, where familiarity with nuance and context often translates into mastery. Thus, leveraging this aspect of ChatGPT may serve to further bridge the gap between theoretical knowledge and practical usage, setting the stage for meaningful and impactful language learning.

Pondering the potential pedagogical applications of ChatGPT for pragmatic competence augmentation, several conceivable forms surface. Envisaged as a practical tool, ChatGPT could facilitate learners in navigating varied pragmatic scenarios. From the art of making requests to mastering the finesse of giving feedback, learners could gain much from this AI model's capacity for generating diverse interactions. This idea stands firmly rooted in the assertion that language learning benefits from experiential involvement and interaction (Warschauer, 2006).

Going further, ChatGPT's utility could extend to the domain of providing feedback to learners, where it could aid in offering corrections and suggestions. This underscores the AI model's potential to guide learners toward a more pragmatically apt language use. These insights align with Warschauer's position on the importance of feedback for language development, where he postulates that feedback serves to foster an environment conducive to learning (Warschauer, 2006).

In addition, by integrating ChatGPT with other technology-enhanced instructional methods such as virtual reality, there exists a possibility of creating an immersive learning environment optimal for pragmatics instruction (Radianti et al., 2020). Such integration would serve to amplify the learning experience, providing a holistic, immersive environment wherein learners could practice and enhance

their pragmatic competence. This synergistic fusion of AI and VR technologies could revolutionize the landscape of language education, heralding a new era of immersive, interactive learning.

Simultaneously, one must consider potential limitations inherent in the use of ChatGPT for teaching and learning pragmatics. A significant concern stems from the fact that while ChatGPT can simulate conversations in a manner resembling human exchanges, a complete understanding of nuanced cultural, societal, and individual contexts that heavily influence pragmatic decisions might elude it. This gap could result in interactions lacking the depth and context-specific appropriateness that typifies human communication. Indeed, the cultural dimensions of pragmatics, which influence the appropriateness of language use in different societal contexts, may not be fully captured by current AI models.

The reliability of the AI model's responses presents another potential concern. Variations in the quality and appropriateness of ChatGPT's responses might inadvertently impact the quality of instruction (Radford et al., 2019). If learners receive inconsistent or inauthentic pragmatic cues, it could lead to an incomplete or distorted understanding of pragmatic competence, thereby affecting their ability to function effectively in real-world language contexts.

Finally, overreliance on AI models such as ChatGPT for language learning might have unintended consequences. While AI models offer intriguing possibilities for language learning, excessive reliance might inhibit learners' engagement with authentic social interactions (Kasper & Rose, 2002). Authentic interactions play a crucial role in the development of pragmatic skills as they provide learners with the opportunity to navigate complex, real-world language situations. Thus, an imbalance between AI-mediated learning and real-world language experiences might impede comprehensive pragmatic skill development.

Concludingly, attention to ethical and pedagogical considerations in using AI language models in education cannot be overstated. A central ethical concern surrounds the use of AI technologies, such as ChatGPT. These technologies, in their deployment, must strictly adhere to regulations governing data privacy and take the protection of students' personal information a priority. In this era of rapidly advancing technology, maintaining the privacy and safety of learner data presents an ongoing challenge, and it is incumbent on educators to navigate this terrain responsibly.

Pedagogically, the integration of AI in education is not without its implications (Choi et al., 2023). The overarching narrative should not present AI as a replacement for human teachers. Instead, the introduction of AI should serve to augment the instructional capacity of human teachers, empowering them to deliver more effective, personalized, and engaging lessons. Thus, while AI models can offer new opportunities for individualized and adaptive learning, they must be understood and presented as tools that support, rather than replace, human-led instruction.

Emphasizing this perspective serves to underscore the irreplaceable value of human teachers in facilitating meaningful and contextualized learning experiences. Despite advances in AI, there remains a dimension of empathy, understanding, and nuanced communication that is unique to human interaction. Therefore, even as we harness the capabilities of AI in language education, the human teacher's role remains vital to shaping holistic and authentic learning experiences for students (Bowden et al., 2021).

Table 1: *Exploring the Role of AI and ChatGPT in Pragmatic Competence Enhancement*

Key Themes	Summary
AI's Influence on Education	AI has demonstrated potential in various educational facets such as personalized learning, collaborative problem-solving, and insightful feedback. AI-based educational systems offer a platform for individualized instruction and can inform policy-making decisions.

Ethical and Pedagogical Considerations	The increasing use of AI in education raises important ethical considerations such as data privacy and unbiased algorithms. Furthermore, the assimilation of AI into pedagogical practices introduces complexities that need careful consideration.
ChatGPT's Potential in Pragmatic Competence	ChatGPT showcases potential as a tool for pragmatic competence enhancement. Scenario-based learning using ChatGPT can mirror authentic language interactions, thereby facilitating pragmatic competence learning through doing.
Pedagogical Applications of ChatGPT	ChatGPT could facilitate learners in navigating various pragmatic scenarios and provide valuable feedback. Furthermore, integration with VR could create an immersive learning environment. However, concerns about ChatGPT's understanding of cultural nuances and the reliability of its responses are valid.
Ethical and Pedagogical Implications of AI	Ethical considerations, such as data privacy, are vital. Pedagogically, AI should serve to augment the instructional capacity of human teachers, emphasizing the irreplaceable value of human teachers in facilitating meaningful learning experiences.

Discussion

Contemplation on the role of ChatGPT in pragmatic instruction calls for a discerning appraisal of its strengths and drawbacks. As an advanced AI language model, ChatGPT brings forth distinct opportunities for dynamic and adaptive learning. These attributes could prove instrumental in the cultivation of pragmatic awareness and skills among learners (Pinker, 2021). Additionally, the model's inherent ability to provide immediate, personalized feedback, as well as simulate a variety of pragmatic scenarios, introduces a fresh facet to pragmatic instruction, one which dovetails with the principles of learner-centered pedagogy (Warschauer, 2006).

However, in this appraisal, one cannot turn a blind eye to the limitations inherent in the model. Certain inherent traits of AI, such as potential inconsistency in responses, could mar the quality of language instruction (Radford et al., 2019). An AI model, even one as advanced as ChatGPT, may fall short of fully comprehending and replicating the sociocultural nuances that influence pragmatic use, potentially leading to instances of miscommunication or misunderstanding (Kasper & Rose, 2002). As such, while it could simulate human conversation, the absence of a genuine human touch might affect the authenticity of the pragmatic scenarios it generates.

A further consideration involves the risk of learners developing an overdependence on AI tools, such as ChatGPT, to the detriment of their engagement with real-life social interactions – a crucial aspect in the development of pragmatic skills (Kasper & Rose, 2002). The lure of AI's immediate feedback and adaptability could unwittingly isolate learners from the richness and diversity of human interaction, thereby limiting their exposure to the multifaceted nature of pragmatics in different socio-cultural contexts.

The results of the present investigation carry noteworthy implications for both language instruction and the preparation of educators. As AI-driven tools such as ChatGPT begin to pervade the realm of pedagogy, it becomes incumbent upon educators to comprehend both their capabilities and their limitations. An understanding of the parameters within which these tools operate would enable educators to employ them to their fullest potential and avoid pitfalls related to their misuse or overuse. Thus, this calls for a renewed focus on equipping educators with the requisite knowledge and skills, aligning teacher training programs with the evolving demands of the digital age.

The role of teacher training programs in this context cannot be understated. These programs need to incorporate training modules that help future educators become adept at utilizing AI for pragmatic language instruction. By integrating AI training into their curricula, these programs could prepare educators to leverage AI technology effectively and responsibly, contributing to more engaging and productive language instruction (Pedro et al., 2019). In this regard, a shift in pedagogical perspectives might be necessitated – one that recognizes the potential of AI to add value to the teaching and learning processes.

Lastly, the implications of this investigation suggest a rethinking of pedagogical practices to include AI as not merely an adjunct tool but a transformative element within the language learning landscape. This reimagining could pave the way for innovative instructional strategies that integrate AI tools into the very fabric of pedagogical design and delivery. Instead of seeing AI as a peripheral or supplementary tool, educators could be trained to harness AI's capabilities as an integral component of their teaching methodologies, thus transforming the dynamics of language instruction (Pedro et al., 2019).

Embedded within the expansive dialogue on AI's intersection with education, findings from this inquiry add another thread to a growing tapestry of knowledge that aims to explore the latent potential of AI in language acquisition (Fryer et al., 2020). Echoing sentiments of numerous scholars, results from this exploration support the perspective that AI, while harboring the potential to redefine the contours of education, calls for meticulous and nuanced consideration when it comes to its integration within pedagogical structures.

Rather than an indiscriminate adoption, the inclusion of AI-driven tools in classroom settings ought to be directed by an intricate interplay of contextual factors, pedagogical objectives, and ethical deliberations. To this end, results from the current exploration highlight the importance of context-specific nuances, pedagogical intents, and ethical underpinnings in the utilization of AI tools. Furthermore, educators ought to be cognizant of the cultural, societal, and individual subtleties that color pragmatic decisions, and use AI as an aid rather than a replacement for these crucial aspects of language learning. Summarily, this investigation underscores the necessity for a harmonious, thoughtful approach to employing AI in the classroom - one that values and promotes balance. Amidst an era of rapid digital transformation, a balanced approach enables us to maximize the benefits of AI in education while mitigating potential pitfalls, thus ensuring the continued centrality of meaningful and human-centric learning experiences

Considerations for strategic assimilation of ChatGPT within pragmatic teaching in tertiary education contexts could be encompassed within a blended learning paradigm. Herein, ChatGPT might be seen as a complement to human-directed instruction rather than a replacement, a proposition that aligns with the fundamental tenets of meaningful and contextualized pedagogical experiences. Instructional leads could utilize ChatGPT to engender interactive scenarios designed to challenge and engage learners within the realm of pragmatics, augmenting these simulations with discursive activities, reflective tasks, and feedback sessions (Bardovi-Harlig & Mahan-Taylor, 2003).

Further opportunities emerge when considering the integrative capabilities of ChatGPT alongside other advanced instructional implements such as virtual reality (VR). Coupling ChatGPT with VR technology presents an exciting prospect for creating immersive, contextually-rich environments that offer fertile ground for pragmatic instruction (Radianti et al., 2020). These technologically enhanced pedagogical environments could facilitate realistic, complex, and dynamic interactions, fostering learners' pragmatic competence in an engaging, immersive, and stimulating way.

In totality, the strategic implementation of ChatGPT within pragmatic instruction appears to hold considerable potential. Harnessing the AI model's capacity for interactive dialogue and contextual response in combination with other emergent technological tools such as VR, and blending these with human-led teaching, could transform pragmatic instruction in higher education. It is crucial to ensure

this blend is carefully calibrated to maximize the benefits of both AI and human elements, ensuring a holistic learning experience that nurtures pragmatic competence while retaining the value of human connection and guidance (Bardovi-Harlig & Mahan-Taylor, 2003).

Prospects for future inquiries offer a myriad of possibilities, primarily focusing on the empirical evaluation of AI-centric linguistic models such as ChatGPT and their efficacy within the domain of pragmatic instruction. Expanding the scope of experimental research would furnish critical insights into the practicalities of leveraging such advanced technologies for pedagogical purposes. Investigating the extent of influence that these AI tools wield over students' pragmatic competence acquisition could render tangible, data-driven evidence to support or reevaluate the integration of such models into instructional practice.

Secondly, an incisive look into the ethical and pedagogical ramifications of AI utilization within the realm of education presents a substantial avenue for scholarly exploration. Such studies hold the potential to critically inform both pedagogical practice and policy formulation, providing a robust theoretical foundation for the judicious integration of AI in classrooms. Moreover, inquiries exploring these dimensions could contribute to a nuanced understanding of the potential risks and rewards associated with AI-based pedagogy, which, in turn, would underpin more informed, balanced, and ethical use of these tools (Celik, 2023)

Thirdly, and most importantly, future research might concentrate on the conceptualization and creation of AI models meticulously tailored to meet the needs of language education. This focus could lead to innovative breakthroughs in AI-empowered pedagogical strategies, pushing the boundaries of what is achievable within this burgeoning field. Such tailored models could enable more precise and targeted language instruction, providing an optimized learning experience that hones in on specific aspects of language learning, including pragmatics.

Table 2: *Key Points from the Discussion Section on AI, Pragmatics, and Pedagogy*

Key Points	References
ChatGPT's potential in pragmatic instruction	• Dynamic and adaptive learning opportunities (Pinker, 2003) • Immediate, personalized feedback
ChatGPT's limitations in pragmatic instruction	• Potential inconsistency in responses (Radford et al., 2019) • Limitation in comprehending and replicating sociocultural nuances (Kasper & Rose, 2002) • Risk of learners' overdependence on AI tools (Kasper & Rose, 2002)
Implications for language instruction and teacher training	• Importance of understanding AI capabilities and limitations • Need for AI training in teacher training programs (Pedro et al., 2019)
Implications for pedagogical practices	• Inclusion of AI as a transformative element within the language learning landscape (Pedro et al., 2019)
Ethical and Pedagogical considerations in AI integration	• The importance of context-specific nuances, pedagogical intents, and ethical underpinnings (Warschauer, 2006)
AI as a tool complementing human-directed instruction	• Blended learning paradigm, combining AI and human-led instruction • Utilization of ChatGPT for interactive scenarios and feedback sessions (Bardovi-Harlig & Mahan-Taylor, 2003)
Integration of ChatGPT with other technologies	• Exciting prospects for creating immersive environments for pragmatic instruction using VR (Radianti et al., 2020)

Potential areas for future research	• Empirical evaluation of AI-centric linguistic models (Pinker, 2003) • Examination of the ethical and pedagogical ramifications of AI utilization • Creation of AI models tailored to meet the needs of language education (Pinker, 2003)

Conclusion

Summarizing key findings of the investigation, the potential of AI language models such as ChatGPT to contribute to the development of pragmatic competence emerges. ChatGPT's ability to generate diverse and context-sensitive responses offers ELF learners engaging scenarios that mirror real-world language use, fostering pragmatic skills. However, limitations, like variability in reliability and the inability to fully grasp socio-cultural nuances, underscore the need for careful integration of this tool into pedagogical practices (Kasper & Rose, 2002).

This study suggests that ChatGPT could significantly impact the landscape of English pragmatics instruction in higher education. By providing interactive, personalized learning opportunities, ChatGPT could revolutionize how pragmatic competence is developed, moving away from traditional teaching methods towards more immersive, dynamic ones. This impact is not confined to the classroom – it extends to teacher training programs, which must now equip educators with the skills to navigate and utilize AI-driven tools effectively.

As final reflection, AI's potential as a resource for facilitating pragmatic competence development in global mobility contexts holds promise. In an era characterized by global interconnectivity and linguistic diversity, tools like ChatGPT could become crucial allies in the quest for effective communication and understanding. However, as educators, researchers, and practitioners, the ethical and pedagogical considerations in AI's use in education must be at the forefront of our decisions and actions.

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