Generative AI in Math Education

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Abstract: "Should I use generative AI (gen AI) in my courses?" This is a question that directly or indirectly we answer every semester when we step into the classroom. Whether we wish to embrace or resist (or anything in between) gen AI, I firmly believe we should be informed about it. With no manuals and little guidance, getting informed is done by trying it out. In this talk, we will actively use gen AI for different tasks that are related to math education such as creating syllabus, generating problem sets/assessments, creating interactive exercises, or live tutoring. Bring your curiosity, questions, and phone/tablet/computer.

Alexander Diaz-Lopez is associate professor at Villanova University. His research is in algebraic combinatorics and is currently supported by an NSF grant. Alexander is interested in exploring different ways in which generative AI can impact math education at the college level. He loves the MAA, is part of the editorial board at Mathematics Magazine, is Member-at-Large of the MAA EPaDel section, and was the recipient of the 2021 MAA Henry Alder Award for Distinguished Teaching.