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Proposed Research Topic / Title	**Sama-Sama Siklistas: A Personalized Cycling Event Recommendation System Mobile App for Community Cyclists in Trece Martires City, Cavite**
Trends	Cycling is a widely popular recreational and social or sports activity, with many cyclists participating in casual groups rides and even organized rides, athletes or non athletes, Digital platforms, such as social media and mobile applications, are also increasingly used by cyclists to communicate, share routes, and organize cycling events. At the same time, personalized recommendation features have become growing 'I wish they have this feature' in mobile applications, allowing users to discover activities and content based on their interests and preferences.
Issues	While there are various social media platforms that can be used by cyclists to discover and organize group rides, for a cyclist finding a cycling group or event can still be difficult because of many factors such as Cyclists preferences, skill levels, ages, fitness capabilities, preferred distances, and riding speeds, which can make manually browsing through a long list of posts and asking organizers for more information time consuming. A recommendation system that allows cyclists to find events that match their preferences and abilities can make this process easier. Instead of having to browse through many posts or inquire about different groups, cyclists can receive recommendations based on their preferences. This can also help cyclists who are not part of a group discover other cyclists with similar interests, abilities, and riding goals.

Objectives	• To develop a platform that allows cyclists to quickly create and publish cycling events with details such as date, time, meeting place, route, distance, and riding speed. • To develop cyclist profiles containing relevant preferences such as preferred distance, riding speed, skill level, and fitness capability. • To develop a recommendation mechanism that matches cyclists with cycling events based on their preferences and event characteristics. • To allow cyclists to discover and join suitable community cycling events without relying on manual searching through social media posts. • To evaluate the relevance and usefulness of the recommended cycling events based on cyclist feedback.
Contribution	Sama-Sama Siklistas contributes a personalized recommendation system that helps cyclists find cycling events based on their preferences, It reduces the need to manually search through different social media posts by recommending rides that match each cyclist's preferences, The system also helps cyclists who are not part of a cycling group discover rides and meet other cyclists with similar interests and abilities. This gives them an opportunity to find a cycling community that suits them, may they be casual or athlete cyclists, For ride organizers, Sama-Sama Siklistas provides a convenient way to publish cycling events and reach cyclists who match their
Research Design	This study will use a mixed-method research design, combining quantitative and qualitative approaches. The quantitative approach will be used to gather measurable data from cyclists, such as their preferences and their evaluation of the recommended cycling events. The qualitative approach will be used to gather feedback and insights from cyclists about their experiences, needs, and opinions regarding the system, The two approaches will be used to help develop and evaluate Sabik Siklistas and determine whether its personalized recommendations are relevant and useful to community cyclists.

References	Li, W., Haunert, J. H., Forsch, A., Zhu, J., Zhu, Q., & Dehbi, Y. (2024). Informed sampling and recommendation of cycling routes: Leveraging crowd-sourced trajectories with weighted-latent Dirichlet allocation. International Journal of Geographical Information Science, 38(12), 2492–2513. https://doi.org/10.1080/13658816.2024.2391428 Meng, S., & Zheng, H. (2023). A personalized bikeability-based cycling route recommendation method with machine learning. International Journal of Applied Earth Observation and Geoinformation, 121, 103373. https://doi.org/10.1016/j.jag.2023.103373 Felfernig, A., Wundara, M., Tran, T. N. T., Le, V. M., Lubos, S., & Polat-Erdeniz, S. (2024). Sports recommender systems: Overview and research directions. Journal of Intelligent Information Systems, 62(4), 1125–1164. https://doi.org/10.1007/s10844-024-00857-w

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