

# Recommender System for Beekeeper's GDPR Compliant Data

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Master thesis in Computer Science

Recommender systems are a vastly explored topic that utilise user data to better the user's experience with various products and applications. Beekeeper, a company that provides private social media platforms, has data that conforms to the General Data Protection Regulations (GDPR), meaning the data must be kept anonymous and must conform to agreed upon guidelines between the client and Beekeeper. This master thesis explores the creation of recommender systems using GDPR compliant data. This is a unique case project that can be applied within Beekeeper. The goal of this project is to present the first steps for implementing such a system. The contributions are threefold: First, a creation of user and data pipelines for the data along with multiple jupyter notebooks to apply feature engineering on the data provided. Second, the creation of three recommender systems with different scenarios that explain their use case. Third, an evaluation that determines whether such recommender systems would be useful for Beekeeper. A final conclusion indicates the future work that can be done and provides guidelines and advice for future research in this field.

Note: 5

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