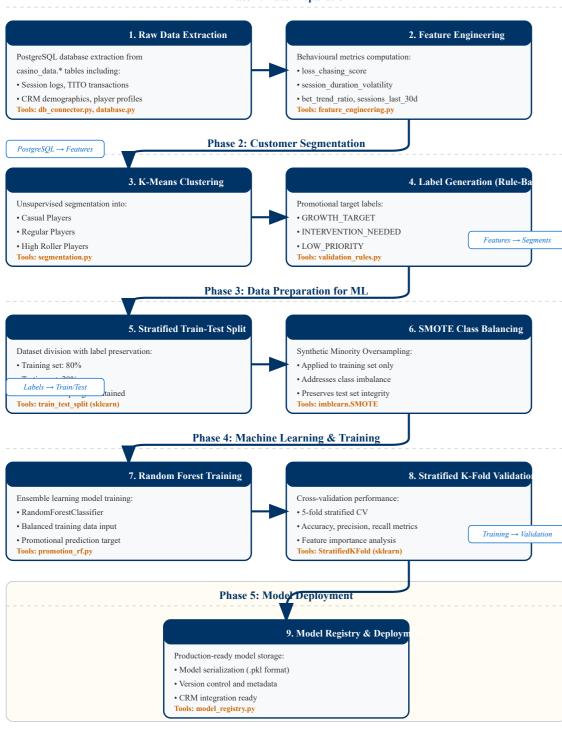
Casino AI Pipeline Framework

ML-Powered Customer Segmentation & Promotional Targeting University of Bath | MSc Computer Science | Ethical Approval: 10351-12382

Phase 1: Data Preparation



GDPR Article 26 Compliant | Anonymised Data Processing | No Commercial Deployment Original Academic Work | M.Y. Canli (2025) | University of Bath | Reproducible Research Framework Ethical Research Standards Applied | No External AI Content Generation | Pure Academic Implementation

Data Flow Summary

Raw Casino Data \rightarrow Feature Engineering \rightarrow Customer Segmentation \rightarrow Label Generation \rightarrow $Train-Test \ Split \rightarrow SMOTE \ Balancing \rightarrow Random \ Forest \ Training \rightarrow Cross-Validation \rightarrow Production \ Deployment$ End-to-End ML Pipeline for Casino Customer Engagement Option

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