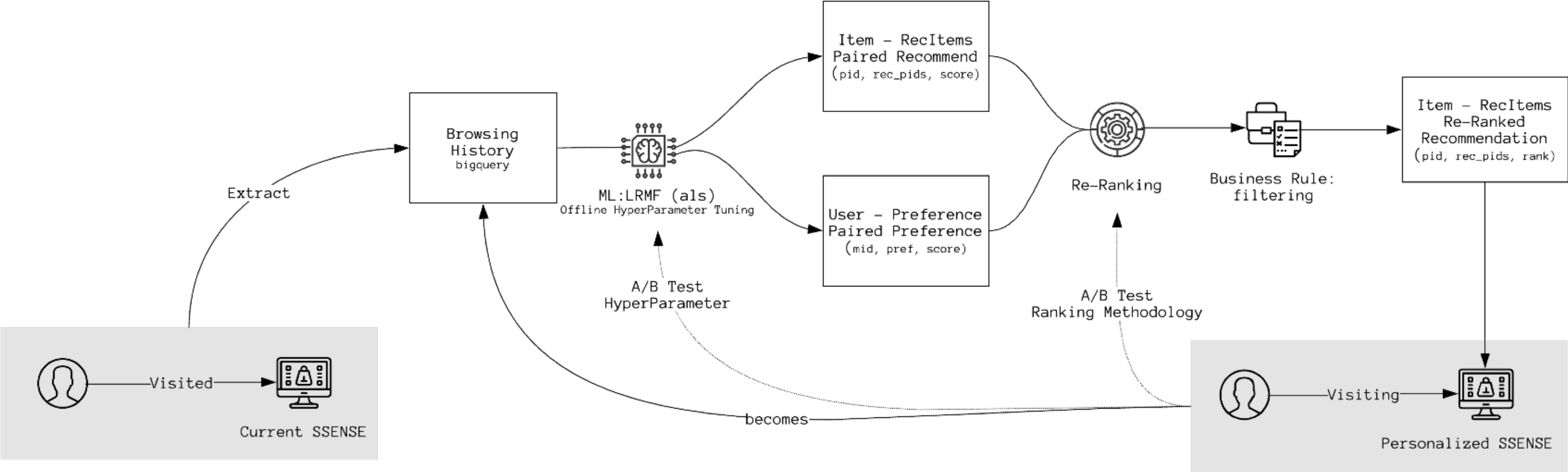
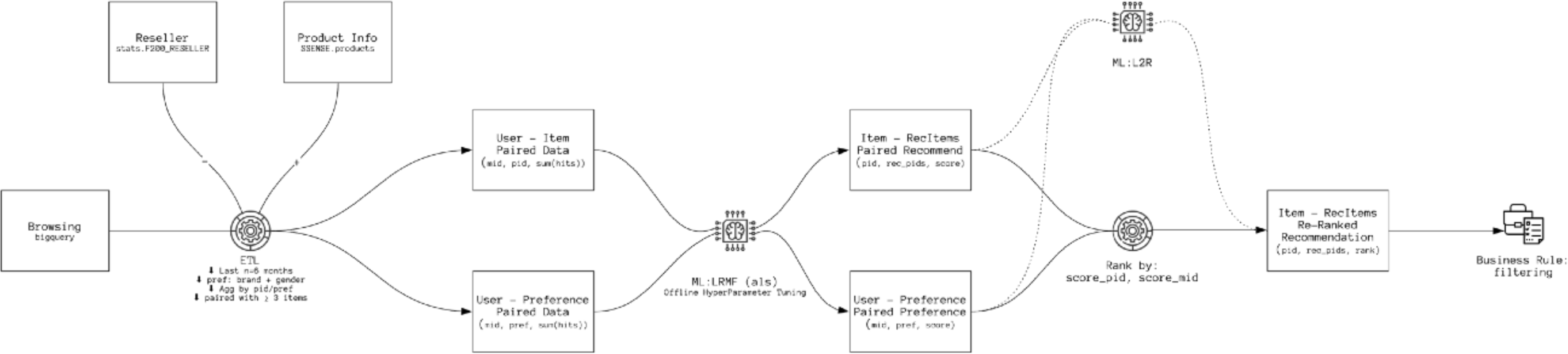


STORY



RECOMMENDER SYSTEM ARCHITECTURE



Data Access:

- BigQuery: browsing tuple (mid, pid, sum(hits))
- MySQL Data Science: reseller information (mid)
- MySQL SSENSE: product info (pid, sku, gender, subcategory, active[listed, stock])

Glossary:

ETL: Extract Transform Loading
ML: Machine Learning
LRMF: Low Rank Matrix Factorization
als: alternating least square
L2R: Learning to rank
BPR: Bayesian personalized ranking