Producers Consumers User Recommendations Clients **Clients Datastore Datastore** • User Data (Id, Name, Sex, Event (event_id, sport, teams, • Coupons (user_id, bet, event_id) Recommendation Kafka **Recommendation API** Generator Data sent:Recommendation (user_id, event_id) Recommendation generation schedule: • Every **N** new bets for each user

Have a table with a counter for each user, starting with N
Every new bet with the user's Id should decrement the

Routine check will generate new recommendations for

 If there are users that are heavily inclined to one sport, generate a new recommendation for those users

Relevant new event uploaded to User Datastore

users with a counter of **0**

Reset counter to N