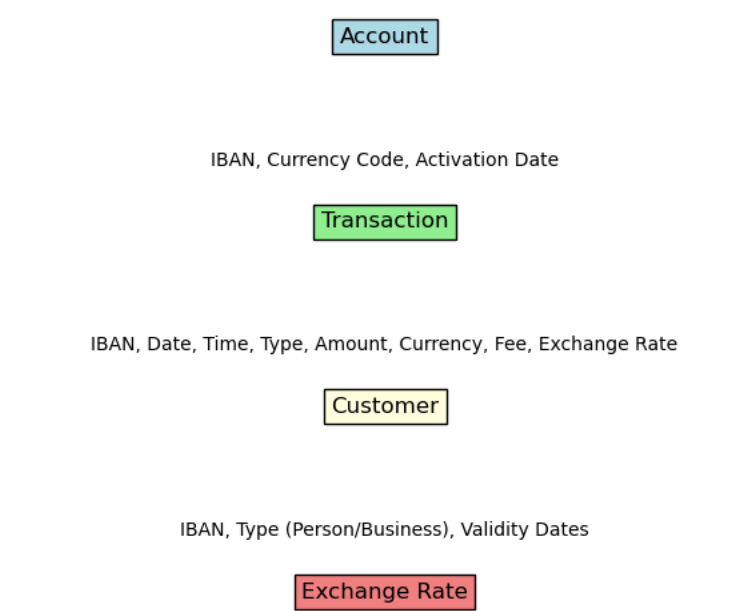


# SOF Data Pipeline Report

## 1. UML-Style Data Model

This diagram shows the key entities and their relationships in the SOF data pipeline:



## 2. Source-to-Target Mapping

This table maps the source datasets and fields to the final output fields used in the fee statement:

Target Field	Source Dataset	Source Field(s)
iban	dc_trx_clrg_issng_df, bsc_pymt_agrm_df, rel_x_ar_hist_df	CARDHDR_IBAN, IBAN, AR_AC_IBAN
sactiongroup	Derived	Based on CARD_TP_CODE, CARD_TXN_ATM_POS
sactiondate	dc_trx_clrg_issng_df	CARD_TXN_LCL_DT
sactioncount	Derived	Count of transactions per group
ansactioncount	Derived	Based on fee applicability
rinterestrate	dc_trx_clrg_issng_df	CLRG_MU_TRFF_PCT
stcurrencysuamount	Derived	Based on fee calculations
restcurrencycode	Static or derived	Usually EUR

erestbasecode	Static	1 or 2 depending on fee type
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### 3. Architecture Diagram

This layered diagram illustrates the architecture of the SOF pipeline, from ingestion to orchestration:

