

Table 1: Transformation rules in OneBM

Data type	transformation functions
numerical	as is
categorical	order by frequency and use order as the transformation
timestamp	calendar features, gap to cut-off time if exists
timestamp series	series of gaps to cut-off time if exists
number multi-set	avg, variance, max, min, sum, count
multi-set of items	count, distinct count, high correlated items
timeseries	avg, max, min, sum, count, variance, recent(k), normalized count and sum to the max gap to cut-off
sequence, texts, set of texts	count, distinct count, high correlated symbols