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# Symbols

$D$	The quantitative dataset
$EU(x)$	External utility of an item $x$
$HUIs$	High Utility Itemsets
$I$	A set of $m$ items, $I = i_1, i_2, \dots, i_j, \dots, i_m$
$IU(x, T)$	Internal utility of an item $x$ in transaction $T$
$min\_util$	Minimum utility threshold
$T_{ID}$	Each transaction $T_j \in D$ has a unique transaction identifier ( $T_{ID}$ )
$TU(T_{id})$	Transaction utility of transaction $T_{id}$
$TWU(X)$	Transaction -Weighted Utility of an itemset $X$
$U(X)$	Utility of an itemset $X$ in a dataset
$U(x, T)$	Utility of item $x$ in transaction $T$
$X$	An itemset containing several items $i_j$