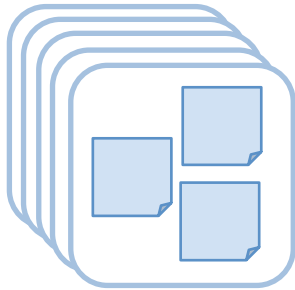


1) Extracting association rules from interaction history

Interacted artifacts

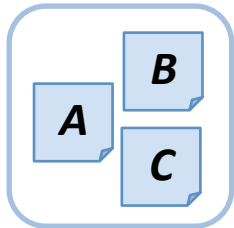


association rules

$\{A,B\} \Rightarrow X$ ($conf=0.2, supp=0.05$)
 $\{A,C\} \Rightarrow Y$ ($conf=0.8, supp=0.03$)
 $\{B,D\} \Rightarrow Z$ ($conf=0.6, supp=0.1$)

2) Apply association rules and obtain change recommendation list

Interacted artifacts



association rules

$\{A,B\} \Rightarrow X$ ($score=0.2$)
 $\{A,C\} \Rightarrow Y$ ($score=0.8$)
 $\{B,D\} \Rightarrow Z$ ($score=0.6$)



Change Recom. list

