

















CS490D Midterm Review

































FP-Tree Algorithm		
$\begin{array}{c cccc} \underline{TID} & \underline{Items\ bought} & (o\\ 100 & \{f, a, c, d, g, i, m, p\} \\ 200 & \{a, b, c, f, l, m, o\} \\ 300 & \{b, f, h, j, o, w\} \\ 400 & \{b, c, k, s, p\} \\ 500 & \{a, f, c, e, l, p, m, n\} \end{array}$	<u>rdered) frequent iten</u> {f, c, a, m, p} {f, c, a, b, m} {f, b} {c, b, p} {f, c, a, m, p}	ns min_support = 3
 Scan DB once, find frequent 1-itemset (single item pattern) 	Header Table	ead
 Sort frequent items in frequency descending order, f-list 	$ \begin{array}{ccc} J & 4 \\ c & 4 \\ a & 3 \\ b & 3 \\ w & 3 \\ \end{array} $	> c:3/ b:1> b:1 > a:3 p:1
3. Scan DB again, construct FP-tree F-li	$\int_{p}^{m} \frac{3}{3}$ st=f-c-a-b-m-p	m:2 b:1 p:2 m:1 28

















































