



	OLTP VS. OLAP							
	OLTP	OLAP						
isers	Clerk, IT professional	Knowledge worker						
unction	day to day operations	decision support						
DB design	application-oriented	subject-oriented						
lata	current, up-to-date detailed, flat relational isolated	historical, summarized, multidimensional integrated, consolidated						
usage	repetitive	ad-hoc						
access unit of work	read/write index/hash on prim. key short, simple transaction	lots of scans complex query						
# records accessed	tens	millions						
#users	thousands	hundreds						
DB size	100MB-GB	100GB-TB						
metric	transaction throughput	query throughput, response						





































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Freduct	Jan	Feb	Mar	Apr	May	Jun	JUL	Aug	Sep	Oct	Nov	Dec
Birch-B	1	10%	-7%	3%	-4%	15%	-12%	-3%	1%	42%	-14%	-10
Chery-S		1%	1%	4%	392	5%	5%	-9%	-12%	1%	-5%	5
Cola		-1%	2%	3%	4%	5%	4%	1%	-11%	-8%	-2%	75
Cream-S		3%	1%	6%	3%	350	8%	1896	-12%	-2%	1%	105
Diet-B		1%	1%	-1%	2%	1%	2%	0%	-6%	-1%	-4%	2
Diet-C		3%	2%	5%	2%	4%	75	-7%	-121	.2%	-2%	8
Diet-S		2%	-1%	0%	0%	4%	2%	4%	-9%	5%	-3%	0
Grape-S		1%	1%	0%	4%	5%	1%	3%	-9%	-1%	-8%	4
Joil-C		-1%	-4%	2%	2%	0%	-4%	2%	6%	-2%	0%	OF
KW-S		2%	1%	4%	1%	-1%	3%	-1%	-4%	456	0%	15
OICH B		4%	-1%	0%	1%	5%	2%	7%	-10%	3%	-856	15
Orang-S		1%	1%	3%	4%	2%	1%	-1%	-1%	-6%	-4%	V
Saervia		-196	74	1%		.396	576	-10%	.7%	-1%	196	57













OLAP Mining (OLAM): An Integration of Data Mining and Data Warehousing

- On-line analytical mining of data warehouse data: integration of mining and OLAP technologies.
- Necessity of mining knowledge and patterns at different levels of abstraction by drilling/rolling, pivoting, slicing/dicing, etc.
- Interactive characterization, comparison, association, classification, clustering, prediction.
- Integration of data mining functions, e.g., first clustering and then association