

- distances of 2 dusters

Single complete any centrals 7. clampication states of - distance presting

- distance presting

- distance of training feet data are one

- encledian front Page 33 of 87

- heiring test data are one

- decirion tree

- decirion tree - convertiset of rules - document - recurrive partitioning based on information gain - come who prove and till - overliting - data standarlization -attros have a conon range value preproceing postprocessing - interal-saled - ratio-scaled - evaluation of damiliers - trial [ eror - accuracy
- holdoctet, n-pold cron validation - Evaluation - confinia matrix, preciniar, vecall, f-1 - precinion, recall, 6-1 -entropy purity i ---- score (prob that ex belongs to tre dans) - madentes whenion / jules desses sepandian 

		Delta / J
2. Search Statitiques		-) Imposed Search
-> Concepts		- node expansion based on some estimate of distance to good
- State space	44	(best first rearch)
- pak		houristic for to distance to good
- frontier (readable) - solution (good tot)		- greety bys - 1 hourstoc be is used by expansion
The state of the s	(2.7.7.1)	-A* -> g(n)+h(n)
-) Algor		- Local search of phinwishion
- Alger  - hee search (exp)  - graph search (sexp)  - graph search (sexp)  - detector of grave  3 (meaning inelly)  - Strategy for exposurion	le )	- held elinery (gradient accent a clescent)
ieW from 37 of	4	The section of the se
-Pure Janual Sarah Page		- Smelted ameding
- strategy to expansion	100	- aeropt bad moves worth prob
- evaluation - completeness, spriething completes	complexity	- genth's algorithm ( Vanden, milete, cronover, lot
optimelity (bruding factor, depth)	dr, depth)	
- Adger	0	-> Crane playing the
BFS DFS Deptember Uniform Bidometeral	Ridendard	Comer or search - min agua (best-more sorte
(iterative) cost  Chaptery (dijhitra)		- gave trees - alpha-beta proming Types - evaluation pretion
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(mit)		

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4 Knasledge representation and Lagric	-inferencing
	co.Th. rules
-knowledge based agent	like {a→b, a3=166)
- Kerowladyc bare	- 1kB12
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ned .	(about I treliteral)
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- reasoning win inframing  - Logic Notesale. Co. UK  - Jenlines rom Notesale.  - Jenlines rom Notesale.  - Jenlines rom Notesale.  - William Dade 39 of 87  (wellford) many  - model: Frue / folia	- chiess, relations (anity) constate
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- Logic Notes	
- Sentences of 87	- quanties
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previo page	(forall) (forsere)
(wellfound) (meany)	Universal actions
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	- cloud world auuphion
- Extributent	a interested
- inference - redg is sound, complete	1 1 1 1 1 1
	unification or assertized induspense my
- Propositional Logic	(white) = convert to propositional logic (a Cathinary) = generalized induspane to Find/ Biland chairing
- Syntax	- resolution
7, V, A, 3, 63, T, F	( Convert to CNF) yours
	5 Koleni sehian granh

5. Map Reduce & Madrop nave node in main mens vy - block placement, dat a coredness, Notessale. C) scale-out, hide rys details from progree

- sync is orhers

(count + shared resources a c

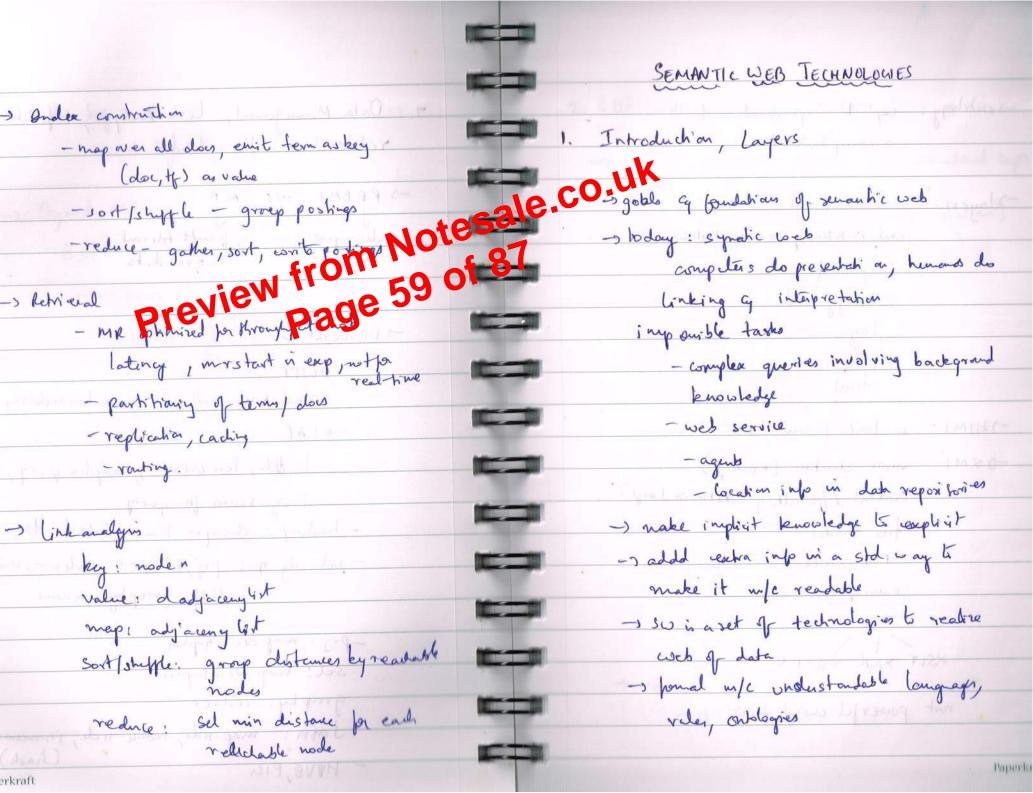
- distributed acres shuctures

- indexing -) scale-out, hide rys details from programer - sync workers (com + shared resources a den) - prog models lower (mpi, threads) - DP: - martifsdave, prod-cns, -indexing Shared worker guenes tree hash -) map - Shuffle & sort - reduce - consistent hashing - distributed hash directories Extract group aggregate - Amazon dyamo - BTree - Bigtable - BTree + non-iodeanse liles -) MR - runhome handles - scheduling data model: Youst key (tublets) - data distribution - Segn c - error cy faults - Goordination & dealing with failures Show while I would be EASH -) DFS + LFS 

7. Data Management, Link Analysis, information retrieval in the cloud ) value - key inversion - processors + conjew page 58 ct 87

- supersteps - local corp + Count

barrier sur-- sort by value Beyond MR: multipurpose fault tolevant
ACID native data
SGL -) DB workloads - OLTP real-time, small queries, random reads cy write -pregel, giraph, hama batton, less concuer ey, complex query, large scans for query In the part will - hadoup: cheaper than paralled offs - red alg ops: prj, sel, jain, carterian, union, and Marie of strangering diff, group by, rename ار منصوب - pri: map over tuples sel! nop over tiples group by: reduce ال مسرود ا jorin: map side, reduce side, in nemony - HVVE, PIG



SEMMILE GLE TROUBLEUR 2. RDF pages - 1 nblogy: explication of vs: un code turi

xml + namespace t xmlschea

Notes 10 - resource description framework

logge

logge

Togge

Togg (mathematical Copic) ayers! un code turi Page 60 of 87 -> s, P,o all are unis -> triples, xul syntax is about presentation - black node XML: more shuchure (nesting) content / formalting (data exchange) - container elevents free model DTD/XML nanespite XSL. XSLT XPM XSL-FO -> veiticah'an not powerful enough for sw - sthat abt start

Paperkraft

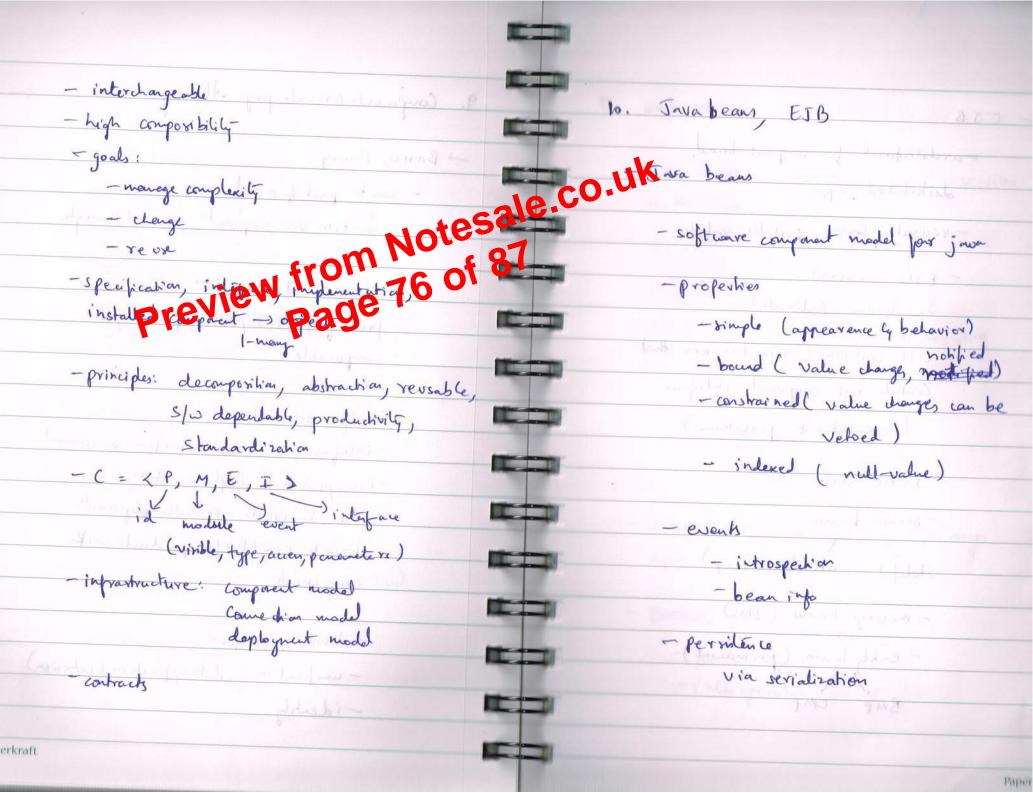
- reslove incorptabile i de pars 6. Typing, Memory management - define men op without changing languotes are the every uperation, types of data for cohich it is applicable

- only I ilstome of a claim Parent prevent value fore type to be treated as another - for an diject to control references to it - Static / dynamic typing

Couptité time

(no-type to variable)

clining pry. - encapsulate request to it -> Gadory - Create object coikout exposing instantiation logic to dients - Activation recols: allocated when proc is ا جُرِّ entered a dealloc when proc is earlid ر سرک ا Cimpo needed by ringle of proc) - depre 1, week diets fit 



- deadlock 8. Operating System -I/o, File systems urada wait from Notesale.co.uk -devices

- resource eview graph do 85 of 87

- deadlack press data volt unit data enov vep conditions transfer -device controllers -1/0 pro intempt DMA (future process reques) - bartker algoith - device driver datu resource -buffering Shear - Memory Managuet -disk performere parameters - projectative address - actual address -rægister: base > framlation Seek not accent time latery time bound - parkitioning, placement - best fit disk scheduling broad dynamic - FIFO, SSTF, SCAN bragmentation) disk cade, LRU - virtual memory - paging (replacement, tables, locality) Paperkraft