	Questions	Papers Covered	Design Study
Lecture 2: Design Studies information Vausization CPSC 2000, Fail 2006 Tamma Number 1000 Compare Science 14 September 2006	impressed by quality so far! ward at least one question per reading if -if steet you can pick which to use for multiple Gs plain (ASCII) text not Word PDF/etc	Custor and Calender based Vasasization of Time Series Data. Jake J. van Wijk and Edward N. van Sobre harden van Wijk and Edward N. van Sobre harden Van Sobre harden van Sobre harden van Sobre harden van Harden van Lage Gebruare Projects. Frank van Harden, pp 227 259 harden van Harden, pp 227 259 harden van Harden, pp 227 259 harden van Harden van Harden van Harden van Harden harden van Harden	describe task justily solution retine until satisfied
(B) (B) (2) (3) (3) (4) OLO	(# · # · 2 · 3 · 3 · 940	19-18-12-12-12-2-010	
Design Study Definition Design study papers expire the choices made when applying intrivis techniques in an application sea, for example relating interest techniques in an application sea, the cample relating an application of the paper sea, and application domain badigmound information can be useful to provide a training order in which the discuss the specifical or provide a training order in which the discuss the specifical control interest to the specifical control interest in the specific control interest to the specific control interest content. Describing new schriftigues and algorithms developed to solve the larget proclam in sleepings and adaptimes of the specific control in the speci	Cluster-Calendar, van Wijk datt. Njarisr of (value, ime) N large tick talask date date date date date date date date	3D Time-series Data • Destroining party but not useful • day, weekly patherns hard to see 1	Hierarchical Clustering * start with 1 May patterns * complete may perfect the complete most similar. M-1 * continue put to cold cluster * consult binary hierarchy clusters * chacle of distance metrics * chacle
Link Clusters and Calendar	Power Consumption	Lessons	Lessons
Dileted dustres colorators shows patterns in unterest of engineers. Interest of engineers: Office hours, findage interest surrows, shoot break week to be a shoot of the shoot	Section 1 and 1 an	derived space: clusters visual representation of time: calendar intend display timed display timed display clear task maying pudded choices report standard 3D exhusion report standard 3D exhusion report standard developa	derived apace: clusters visual representation of time: calendar lead display lead display lead to the calendar of time: calendar lead to the calendar of
Multilevel Call Matrices, van Ham	Matrices	Zooming	Additional Encoding
large short of the restance of the restan	uniform, recursive, stable subdovide by subdovide by bod component count visible subcomponent count	albeiraction (prefit inser interpolation plus crossfede inser interpolation plus crossfede inservices will read van Wijk 03 in week 6 inservices will read van Wijk 03 in week 6 inservices will read van Wijk 03 in week 6 inservices will read van Wijk 03 in week 6	color color dispersion del

Tasks Succesfully Supported	Linguistic Networks, Munzner	Semantic Network	Path Query
Visual categorization I. a. Braries with mostly incoming calls Pervious currently shown to be incomplete sporting unwained calls determining component dependencies	- data: Microbie goury results - deficiency entry sentence - deficiency entry sentence - rodes: word entence -	definition graphs used as building blocks unity shared words is upportered. graph retwork graphs of modes of m	best N paths between how words words on path itself words on path itself definition graphs used in composition A definition graph used in composition August 100 paths 1 was
Task: Plausibility Checking	Top 10 Paths Kangaroo→ Tail	Goal	Constellation Video
paths ordered by computed plausibility researcher hand-checks results high-ranking paths bisloader? beleased path high-ranked? as stop sends all filtered out?	When the second section of the second	create a unified view of relationships between paths and definition graphs hard words are key nousered of words for millions) special unguess algorithm debugging tools root understand structure of English	
Traditional Layout	Information Visualization Approach	Constellation Semantic Layout	Selective Emphasis
avoid onesings ressor: avoid false sitachments Resort: A D B C B C amtiguty artifact salence	spatial position is drongest perceptual cue excede comes specific artibute place of the place of	novel layout algorithm paths as bashoon, edinition graphs attached numbers grid or seniorum graphs attached numbers grid or seniorum annotatics with reasonable information density allow crossings for long distance proxy links	highly so bows and edges didlorud proregular drawnis andid peregian of the attachments andid peregian of late attachments
Hidden State	Single vs. Multiple Word Instances	Information Density	Information Density
avoid hidden state thange selence instead of toggle drawing why? closed world assumption implicit assumption in the violate, doesn't exist away to begin privation actions who are take negative conclusions		early prototype: poor The second se	design badsoff with visual satience d

