

























• Standard operations on fuzzy sets • every document is a member of each fuzzy set • the usual set operator semantics is not applicable • standard operators determine a new membership value AND (conjunction): $\mu_{A \cap B}(u) = \min(\mu_A(u), \mu_B(u))$ OR (disjunction): $\mu_{A \cup B}(u) = \max(\mu_A(u), \mu_B(u))$ NOT (negation): $\mu_{\neg_A}(u) = 1 - \mu_A(u)$ • Example											
	μ	d1	d2	d3							
	content	0,7	1	1							
	database	0,5	0,75	1							
	content \cap database	0,5	0,75	1							
	content \cup database	0,7	1	1							
	¬ content	0,3	0	0							
Prof.DrIng.	Stefan Deßloch 14			Di	gital Libraries and Content Management						



























































Inverted Files - Example														
text	<i>l</i> This	6 is	9 a	<i>11</i> text.	<i>17</i> A	<i>19</i> text	<i>24</i> has	<i>28</i> many	33 words.	<i>40</i> Words	<i>46</i> are	<i>50</i> made	55 from	<i>60</i> letters.
				vocabulary			occur	rences						
inverted file			letters			60								
1110				mac	made many text			50 28 11, 19						
				mar										
	text													
	wor	words			33, 40									
										—				
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