

 Study 3: Visual Conjunctive Search Goal: How strong is a combination of techniques (A,B) compared to each alone? 20 highlighted words for each of A, B, A+B – must choose only A+B 24 participants All pairs of techniques tried (36 trials total) per participant 	Study 3 - cesubscesubs cesubscesubs cesubsnone <t< th=""><th>kkkkkk11<</th><th><section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></section-header></section-header></section-header></th></t<>	kkkkkk11<	<section-header><section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></section-header></section-header></section-header>
Only one feature	Same visibility; conjunction unimportant	Conjunction of features more important than each individually	One feature significantly more important than the other
Choose a technique with strong pop-out Examples: • Font size • Borders • Yellow background	Choose techniques with strong pop-out that do not significantly interfere with each other Examples: • Bold + yellow background • Border + red • Font size + yellow background • Font size + border	Choose techniques that scored high in visual conjunction test Examples: • Border + red • Font size + red • Font size + yellow background	Choose techniques such that one has significantly higher pop-out Examples: • Yellow background + spacing • Font size + underlined • Border + italics
 Same visibility, easy-to-see conjunction Choose techniques with strong pop-out that do not significantly interfere with each other, whose conjunction is easy to see Examples: Border + red Font size + yellow background Yellow background + bold 	Discussion/Future Work Increase scope • Combinations of more than two techniques • Include more techniques (eg. different colour combinations • Include categorical/ordered/quantitative data • Include tasks that require context/analysis • Consider overlay visualizations	Comments/Critiques • The guidelines for some scenarios are very similar, and multiple examples cover multiple cenarios • Studies for 5 scenarios • Studies for 5 scenarios • Sues cenario refactoring would not be amiss • Sues cenarios don't misrepresent the scope • A larger scope would be a lot more work • But a larger set of matrices might reveal more clusters to fit the scenarios better	Comments/Critiques • I would have liked to see a statement of expected results, based on existing understanding of marks and channels

