Paper Types Tamara Munzner Department of Computer Science University of British Columbia CPSC 547, Information Visualization Week 3: 25 September 2017 http://www.cs.ubc.ca/~tmm/courses/547-17E	Paper Types	Paper types • each has different contributions, validation methods, structur – design studies – technique/algorithm – evaluation – model/taxonomy – system http://ieeevis.org/year/2017/info/call-participation/infovis-paper-types
Paper structures	Reading visualization papers	Literature search
 typical research paper vs expectations for this course final report more on implementation novel research contribution not required http://www.cs.ubc.ca/~tmm/courses/547-17/projectdesc.html#outlines 	 one strategy: multiple passes title abstract, authors/affiliation flip through, glance at figures, notice structure from section titles skim intro, results/discussion (maybe conclusion) fast read to get big ideas if you don't get something, just keep going second pass to work through details later parts may cast light on earlier parts for badly structured papers third pass to dig deep if it's highly relevant, or you're presenting it to class literature search decide when to stop reading: is this relevant to my current concerns? 	 this course: I will give you seed papers during our IonI meet forwards vs backwards search Google Scholar forward citations! only a subset of forwards & backwards citations will be what you neet building up landscape authors/affiliations will have more signal as you develop expertise

re	 Paper types: Validation design studies qualitative discussion of result images/videos abstraction & idiom validation: case studies, field studies, design justification technique/algorithm qualitative discussion of result images/videos algorithm validation for algorithm papers: computational benchmarks idiom validation for technique papers: controlled experiments evaluation (controlled experiment as primary contribution) theory/model/taxonomy show power: descriptive, generative, evaluative, (predictive) system show power for developer using system
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7	