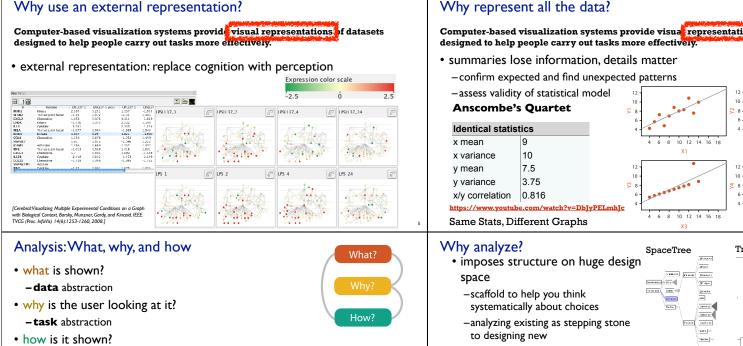
Ch 1/2/3: Intro, Data, Tasks Paper: Design Study Methodology

Tamara Munzner

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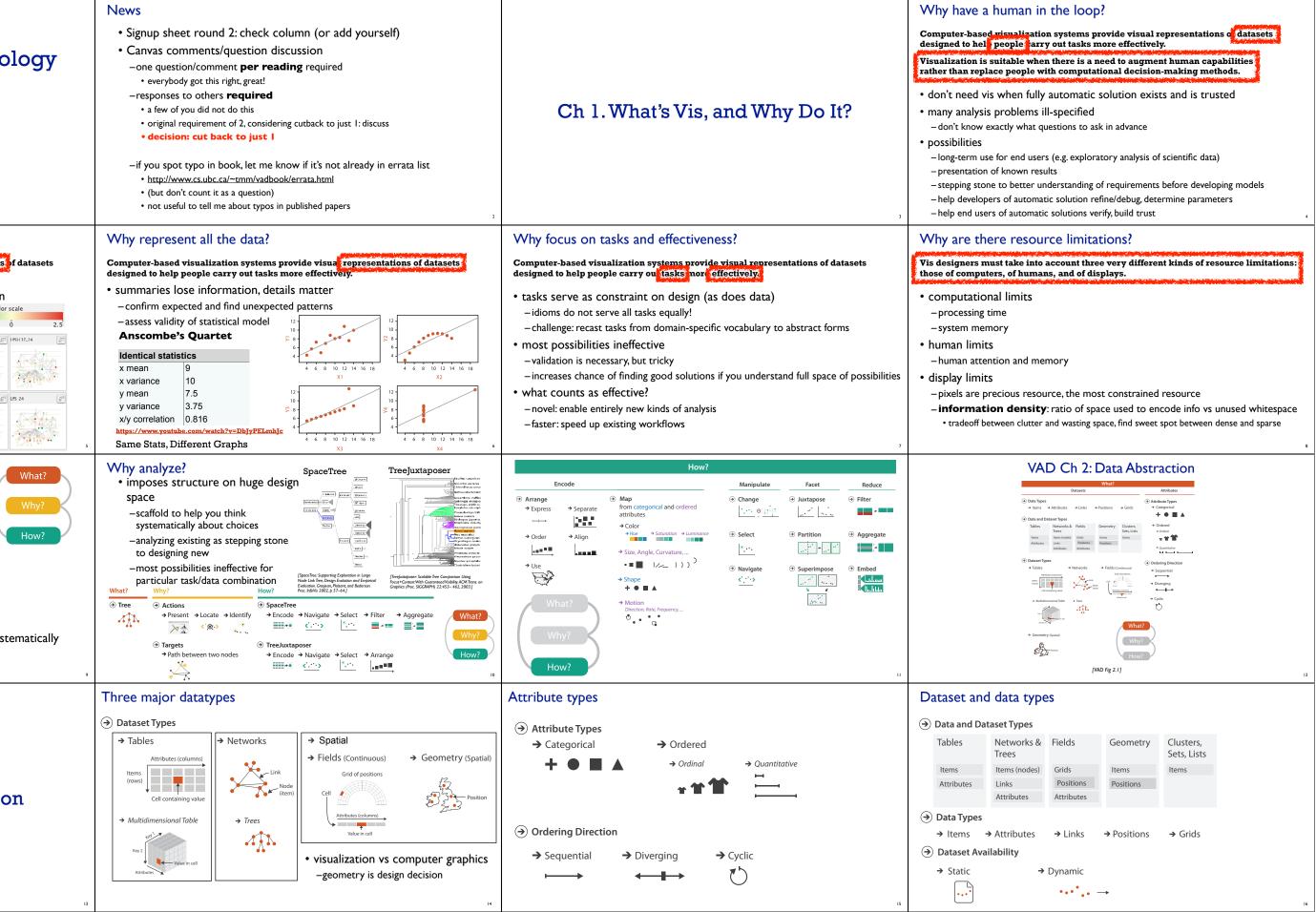
CPSC 547. Information Visualization Week 2: 17 September 2019

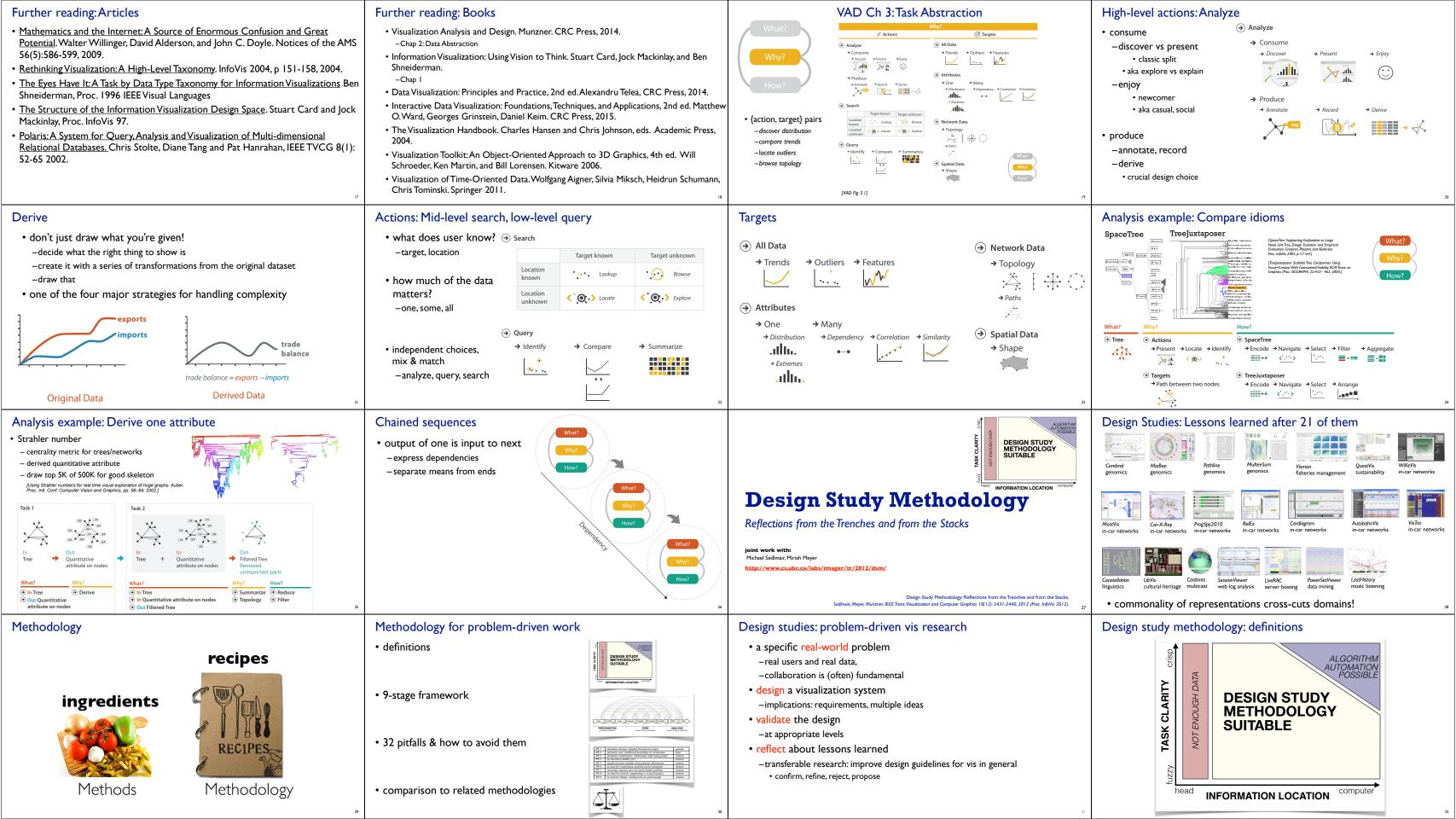
http://www.cs.ubc.ca/~tmm/courses/547-19

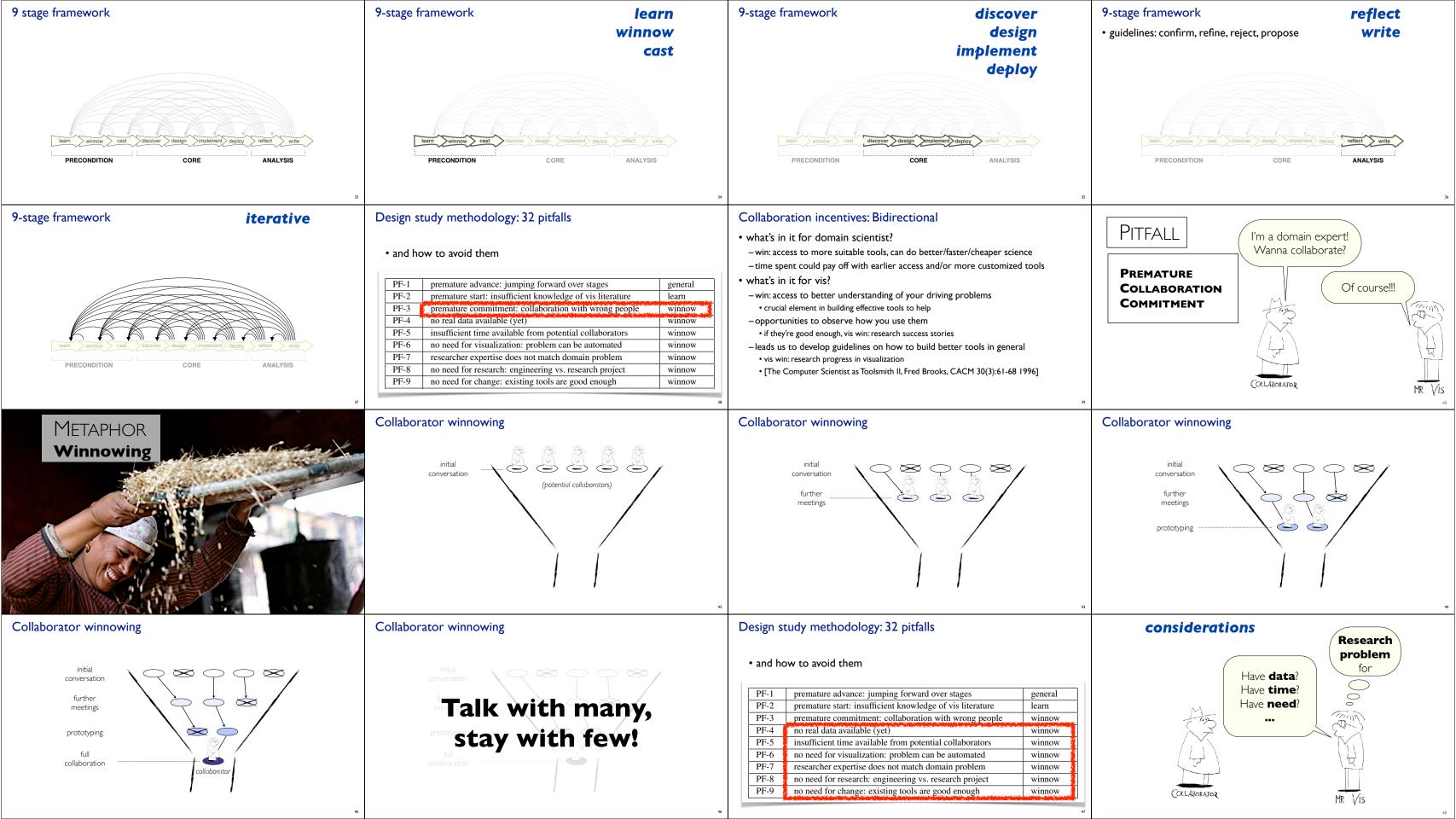


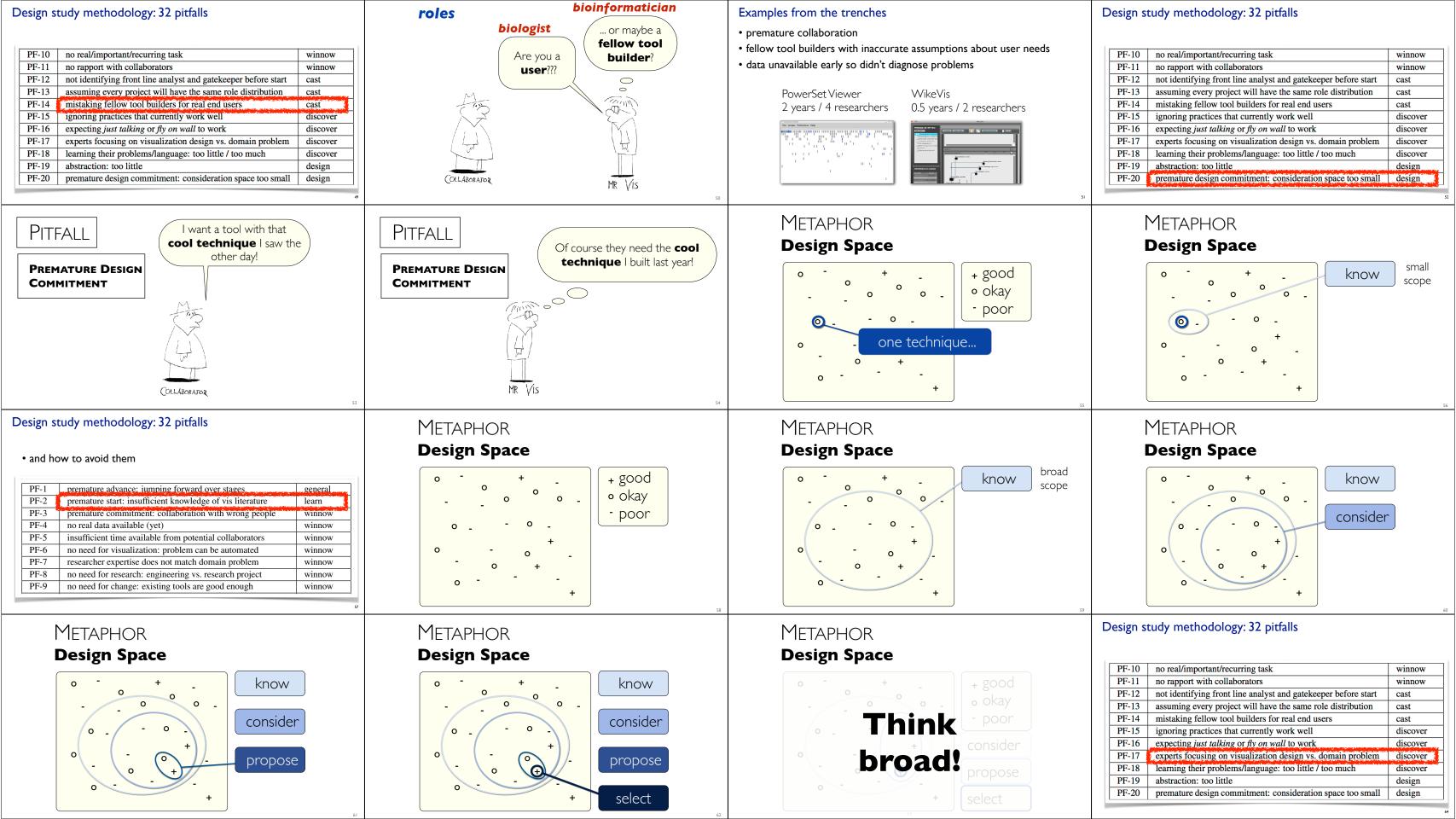
- -idiom: visual encoding and interaction
- abstract vocabulary avoids domain-specific terms -translation process iterative, tricky
- what-why-how analysis framework as scaffold to think systematically about design space

Ch 2. What: Data Abstraction









Pitfall	I want a tool with that	Design study methodology: 32 pitfalls	Pitfall Example: Premature Publishing	Further reading: Design studies Billether: Descript None Bit in Alebaharian Contered Billet Press, In Wood Dools Bathwood Jacon Dukes Aiden Singerby IEEE TVCG 17(1): 3184-2391 (Proc. InfoViz. 2011)
PREMATURE DESIGN COMMITMENT DOMAIN EXPERTS FOCUSED ON VIS DESIGN VS DOMAIN PROBLEM	COLLABORATOR	PF-21mistaking technique-driven for problem-driven workdesignPF-22nonrapid prototypingimplementPF-23usability: too little / too muchimplementPF-24premature end: insufficient deploy time built into scheduledeployPF-25usage study not case study; non-real task/data/userdeployPF-26 <i>liking</i> necessary but not sufficient for validationdeployPF-27failing to improve guidelines: confirm, refine, reject, proposereflectPF-28insufficient writing time built into schedulewritePF-29no technique contribution \neq good design studywritePF-30too much domain background in paperwritePF-31story told chronologically vs. focus on final resultswritePF-32premature end: win race vs. practice music for debutwrite	algorithm innovation design studies Must be first! Image: Comparison of the second state of the second s	 Ballachtage: Descenting Name Basin Alphabaterially Ordered Ballac Papers Jp Wood, Donis Badawood Jason Dykes, Atalan Singsby, IEEE TVGC 17(12): 2384-2391 (Proc. InfoViz 2011). MultesSum: A Tool for Comparative Timporal Gene Expression and Spatial Data. Mirah Meyer, Timara Munzner, Angela DePace and Hanspeter Prister. IEEE Trans Visualization and Computer Graphics 16(4):908-917 (Proc. InfoViz 2011). Pathlines A Tool for Comparative Enciptional Genomics. Mirah Meyer, Banara Munzner, Mark Syczynski and Hanspeter Prister. IEEE Trans Visualization and Computer Graphics 16(4):908-917 (Proc. InfoViz 2010). 2010. Signal Lens: Exocut-Context Applied to Electronic Time Series, Robert Kincaid. IEEE Transactions on Visualization and Computer Graphics (Proc. InfoVis 2010). 16(6):900-907, 2010. ABSS-Expression (Signal Bance) (Si
	Break	- In-class exercise: Abstraction	pagender de la certe de	