Vis, The Next Generation: Teaching Across the Researcher-

Teaching Across the Researcher- Practitioner Gap Tamara Munzner Department of Computer Science University of British Columbia VIS 2015 Panel October 29 2015, Chicago IL http://www.cs.ubc.ca/~tmm/talks.html#vis15teach @tamaramunzner	 - I'll aim for minimal repetition! structure within CS dept (75%), but other students welcome (25%) first 8 weeks: reading pre class & lecture/discussion in class last 4 weeks: presentations in class they pick topic, I assign paper they read & present to rest of class last 5+2 weeks: projects, outside class choices: design study, technique, implementation, analysis, survey last 2 possible for non-programmers structure: pitches, meetings, proposal, update, final present, final report heavily weighted to research over practice 	 - reading for each lecture: one chapter and one research paper enrollment higher: from avg 15 to almost 30 presentations earlier: I gave several choices, they picked a few, lots of overlap betweer now: I assign one brand new paper from VIS (preprints online in time!) new pilot module in Journalism I2 journalism grads, non-programmers half the time, half the credits no reading, teach (some of) book material through lecture Tableau assignment: mix of tutorial and open ended
 Bapid rise of new tools CS class agnostic, since it's up to them to choose tools shakeout to a few dominant tools simplifies recommendation D3, R, Tableau now top of heap real answer: rely on wisdom of students in my group to stay current main regret of professor life is that I don't code any more thanks to Matt Brehmer for his fantastic resource list <u>http://www.cs.ubc.ca/group/infovis/resources.shtml</u> journalism class I learned Tableau along with them this fall hat tip to Robert! a more brutal learning curve than I anticipated 	More Information @tamamunzne • this talk http://www.cs.ubc.ca/~tmm/talks.html#vis15teach • course pages .http://www.cs.ubc.ca/~tmm/courses/547-15 • http://www.cs.ubc.ca/~tmm/courses/547-15 .http://www.cs.ubc.ca/~tmm/courses/journ15 • book page .http://www.cs.ubc.ca/~tmm/vadbook	

VisWeek 2010 Panel

• Perspectives on Teaching Data Visualization

– Jason Dykes, Daniel F. Keefe, Gordon Kindlmann, Alark Joshi, me



veen years e!)

What's new

• textbook finished!

- theoretical foundations & core content under control

Active vs passive learning

• some active flavor

- -pre-class readings, checked by submitting questions/comments just before class marked later
- -during class: less lecture, more questions/discussion
- pitfall: still not enough in-class design exercises, just one near term start - if I do more, when is there time to discuss? do they need it?!
- pitfall: discussion playing field not level
- ESL vs native speakers, shy/reserved vs outgoing, novices vs practiced » small set of people doing lots of the talking
- over 50% of participation grade on Qs to avoid penalizing » I'm still not satisfied