

Flipped or Inverted Classroom:

An inverted (or flipped) classroom is a specific type of blended learning design that uses technology to move lectures outside the classroom and uses learning activities to move practice with concepts inside the classroom.

~~~Jeremy F. Strayer
Learning Environments Research
July 2012, Volume 15, Issue 2, pp 171-193
http://link.springer.com/article/10.1007/s10984-012-9108-4

# Key Elements for success in a flipped classroom

- Provide an opportunity for students to gain first exposure prior to class.
- 2. Provide an incentive for students to prepare for class.
- 3. Provide a mechanism to assess student understanding.
- 4. Provide in-class activities that...promote deeper learning.

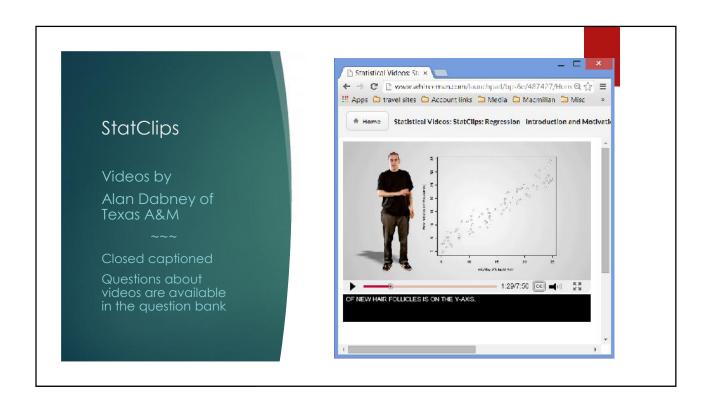
 $Source: \underline{http://cft.vanderbilt.edu/guides-sub-pages/flipping-the-classroom/} \ \ Accessed \ 5/6/2013$ 

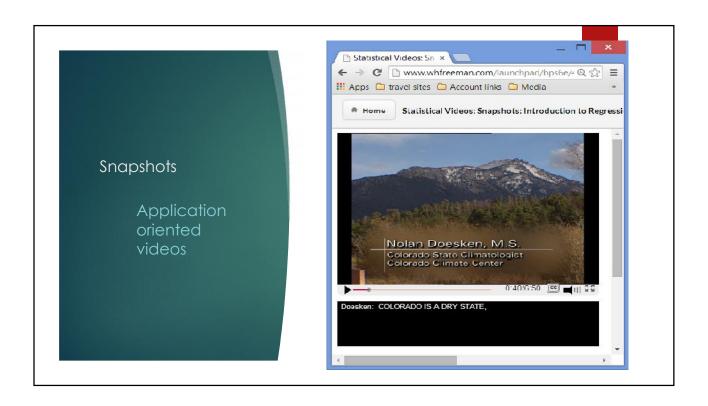
#### Challenges for an instructor

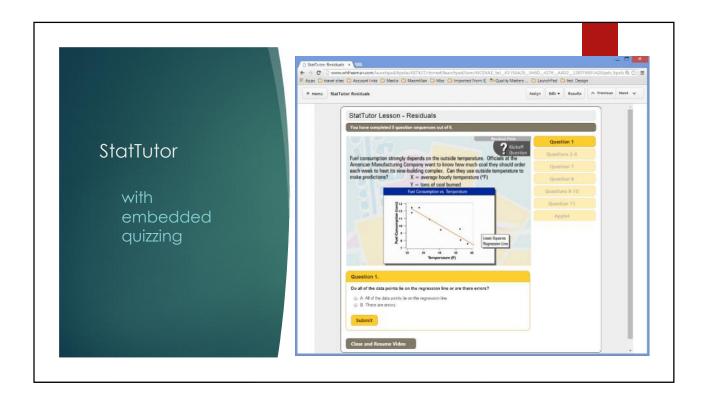
- Preparing first exposure activities
- ▶ Designing incentives for the preparatory work
- ▶ Creating assessments to gauge a student's understanding
- ▶ Developing the active in-class environment activities
- ▶ TIME to do it all ......

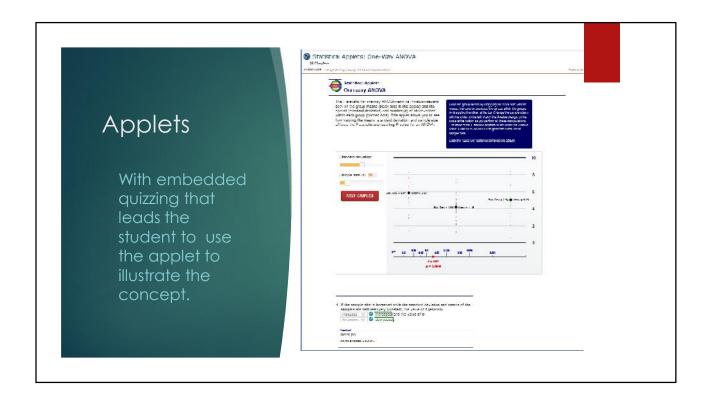
#### www.WHFreeman.com/Stattools for success in a flipped classroom

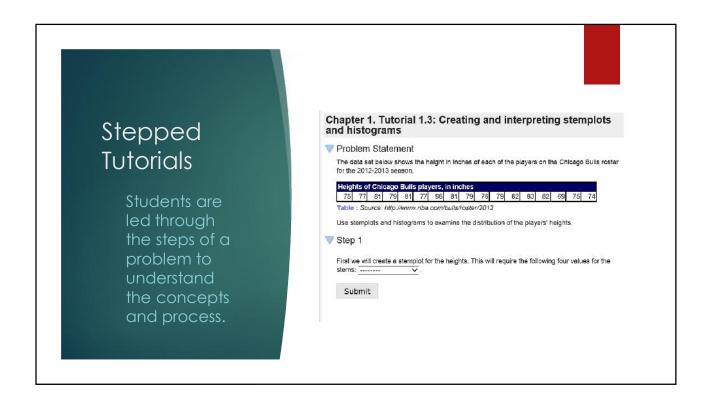
- StatsClips and SnapShots
  - ▶ Lecture videos by Alan Dabney, Texas A&M,
  - Questions centered on videos are included in question bank, if quizzing is desired
- ▶ StatTutors
  - ▶ Interactive lecture activity with embedded quizzing
- ► Applets with built-in formative guizzing activity
- Stepped-out Tutorials
- ► LearningCurve a formative, adaptable, concept-oriented activity in a game-like format

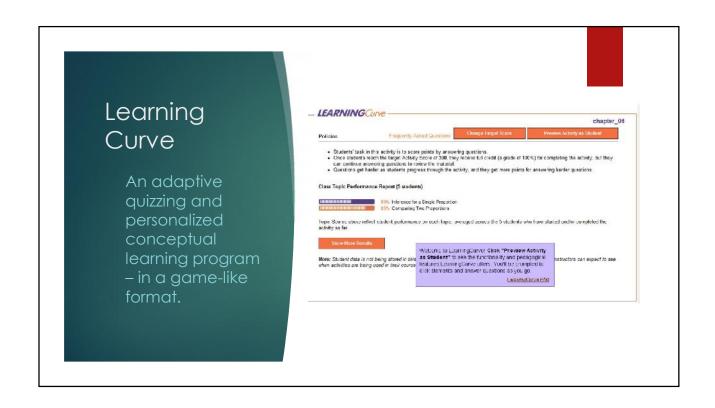


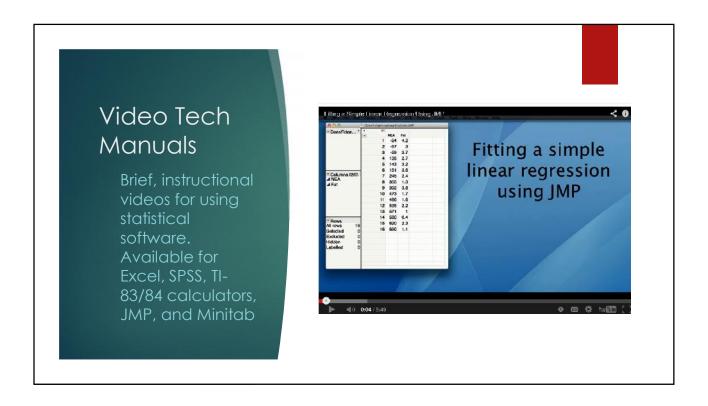














## StatTools: a strategy for success in your flipped classroom

- Meeting the needs of students in their first exposure to statistical concepts
- > Providing incentives for students to prepare for class.
- Providing a mechanism for you to assess student understanding

### How do I use these StatTools Resources?

- ► Available with all W.H. Freeman introductory statistics textbooks
- ► Assignable with or without associated grades from W.H. Freeman course platforms which include an integrated eBook media resources homework.
- ▶ Talk to us about which platforms are available for the text of your choice

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