In class quiz verses online quiz, is one really better?

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Idea and questions:

- To evaluate in class quizzes verses online quizzes.
- **Questions:**
  - Do in class quizzes really assess a student’s knowledge?
  - Will students that take in class quizzes have better test scores?
  - Can online quizzes assess the students knowledge better or worse?
  - Are quizzes a good predictor of future performance?
Methodology:

- Two and Two
  - Two online quiz classes
  - Two in class quizzes
- Section:
  - Online quizzes: 1.5 hours to complete with notes and book.
  - In class quizzes: 20 minutes, no notes no book.
Quiz Examples: In class quiz
Quiz Example: Online quiz

- Full time PhD students receive an average of $12837 per year. If the average salaries are normally distributed with standard deviation of $1500 find the approximate probability that the student makes between $13000 and $14000.
Results:

- In class quiz sections:
  - Students came prepared
  - Average lower than online quiz
  - Test scores similar to classes with online quiz
  - Students at times felt pressed for time

- Online quiz sections:
  - Average time to take quiz, 40 minutes
  - Quiz average high
Pros: In class quiz

- Student’s must come prepared.
- Student’s asked more questions in class.
- Helped to assess student’s strengths and weaknesses.
- Student’s could ask for clarification during quiz.
Cons: In class quiz

- Loss of class time.
- Average quiz scores lower than other sections.
- Limited on questions that can be asked.
- Time constraints.
- Students stressed.
Pros: Online quiz

- Ability to utilize more class time.
- Ability to discuss deficient content areas as indicated by quiz.
- Students were less stressed.
- Students could use notes and book.
- Ability to put conceptual and longer calculation problems on
Cons: Online quiz

- Students were less prepared.
- Computer problems occurred.
- Less students attempted the quizzes.
- Students were not able to clarify questions asked on the quiz right away.
Future Directions: