Creating Digital Learning Objects Using iPads to Enhance Traditional Courses

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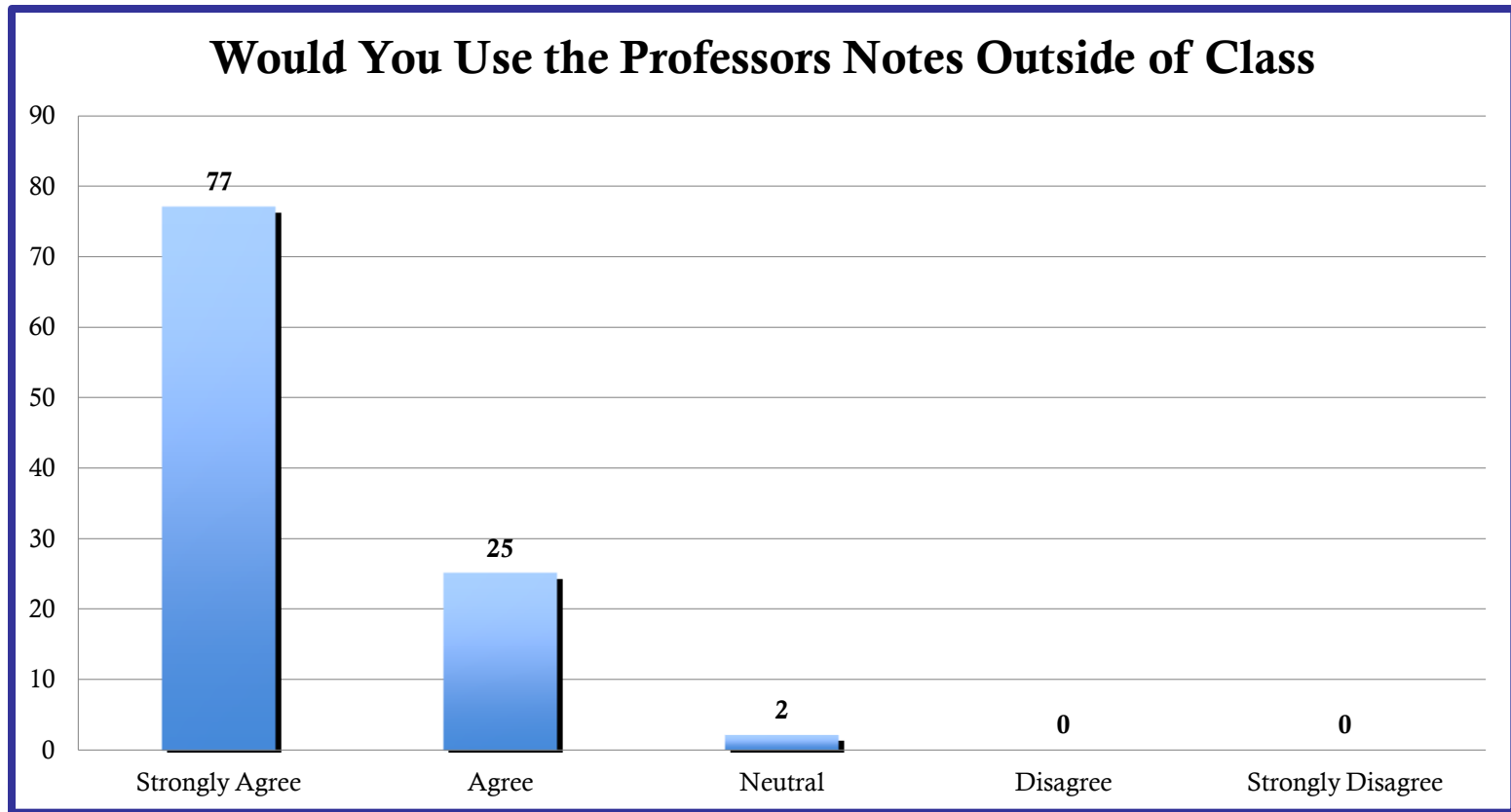THE UNIVERSITY *of* TENNESSEE UT MARTIN

Introduction

- Department of Agriculture, Geosciences and Natural Resources prides itself on use of technology
  - Evernote
  - Penultimate
  - Skitch
  - Echo 360
  - Dropbox
  - FRED
  - Feeder
  - Reflector
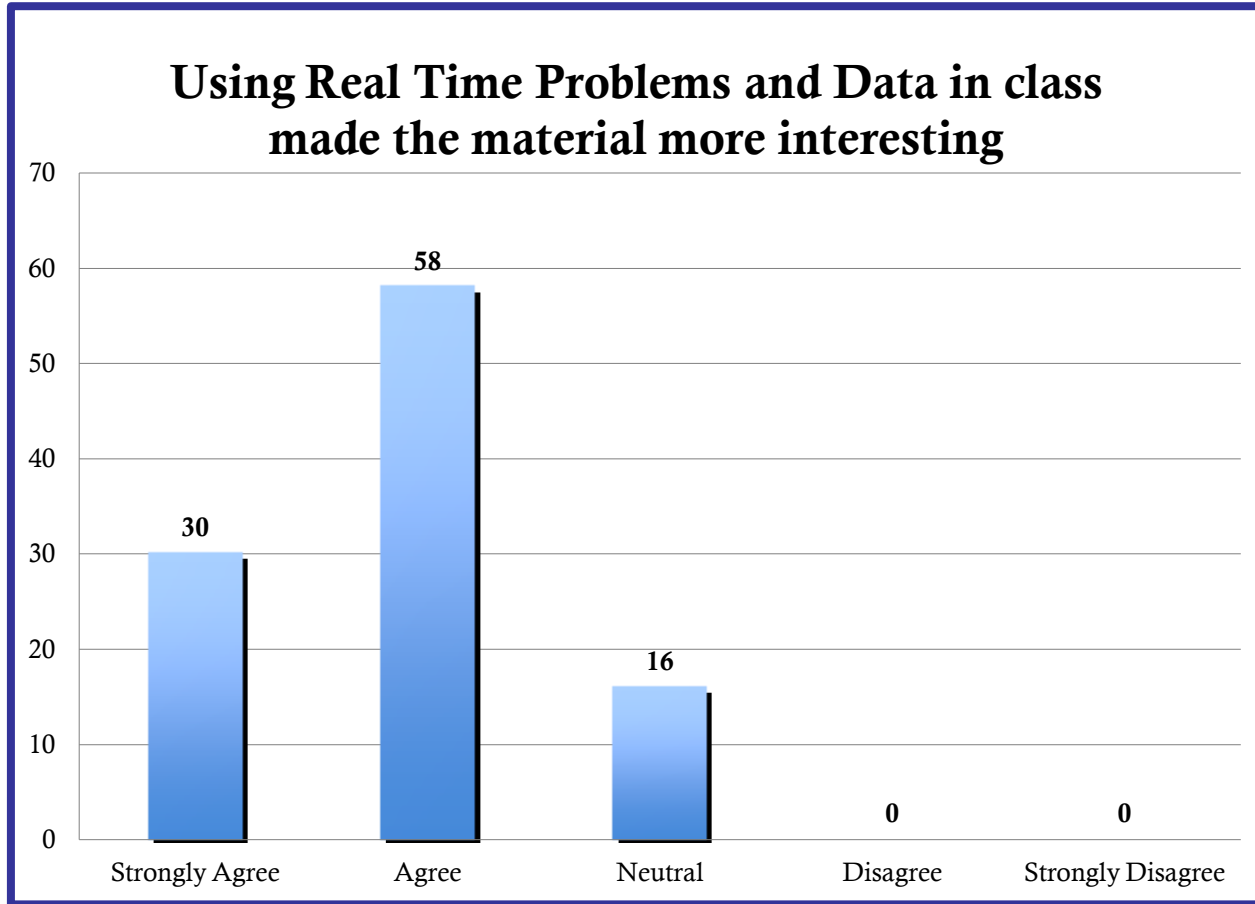 - Divvy
  - Educreations

Penultimate in the Classroom

- In Fall 2012, faculty developed digital learning objects with the Penultimate App during a traditional classroom lecture.

- Students (n= 105) from multiple sections of a traditional agribusiness course were surveyed to determine the effectiveness of digital learning objects on student outcomes.
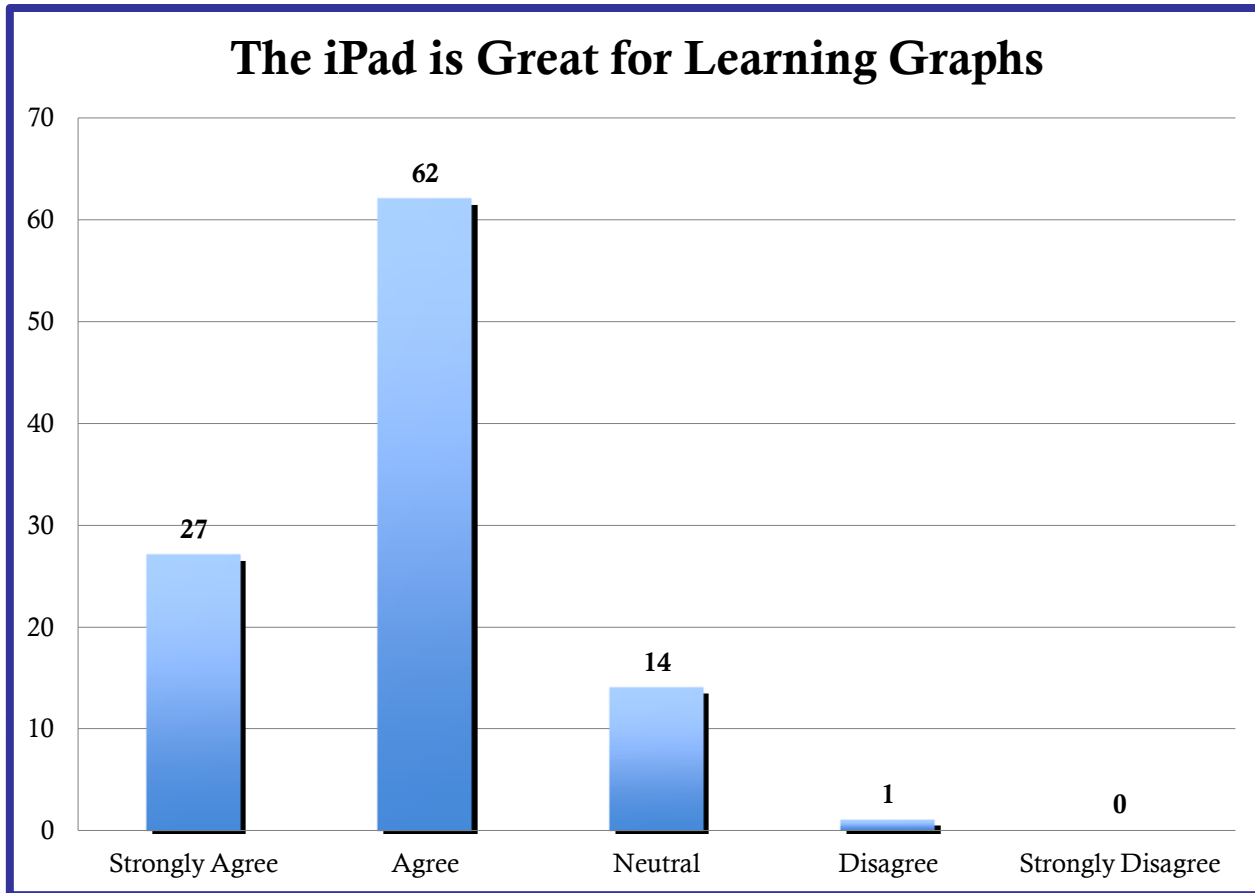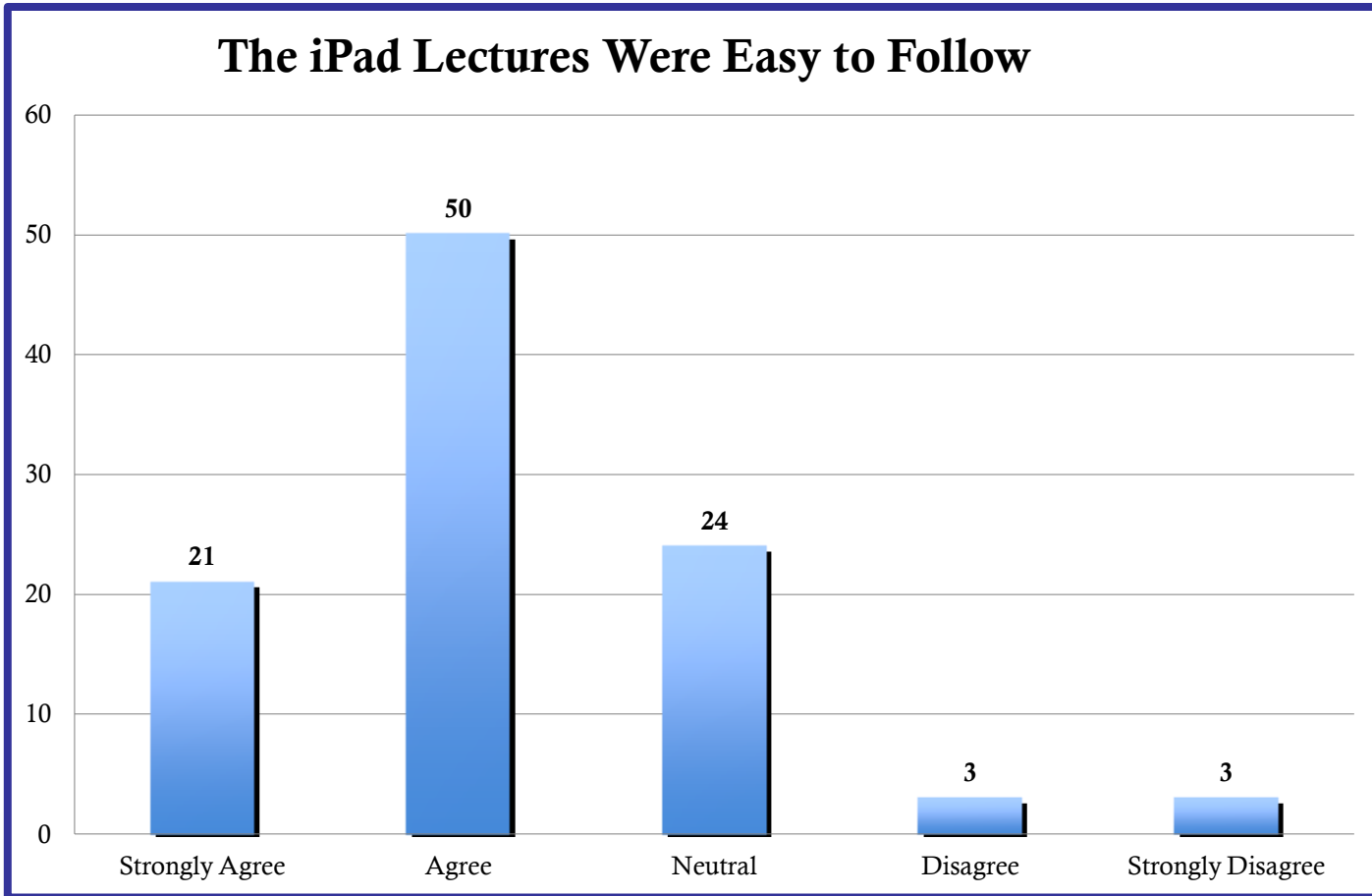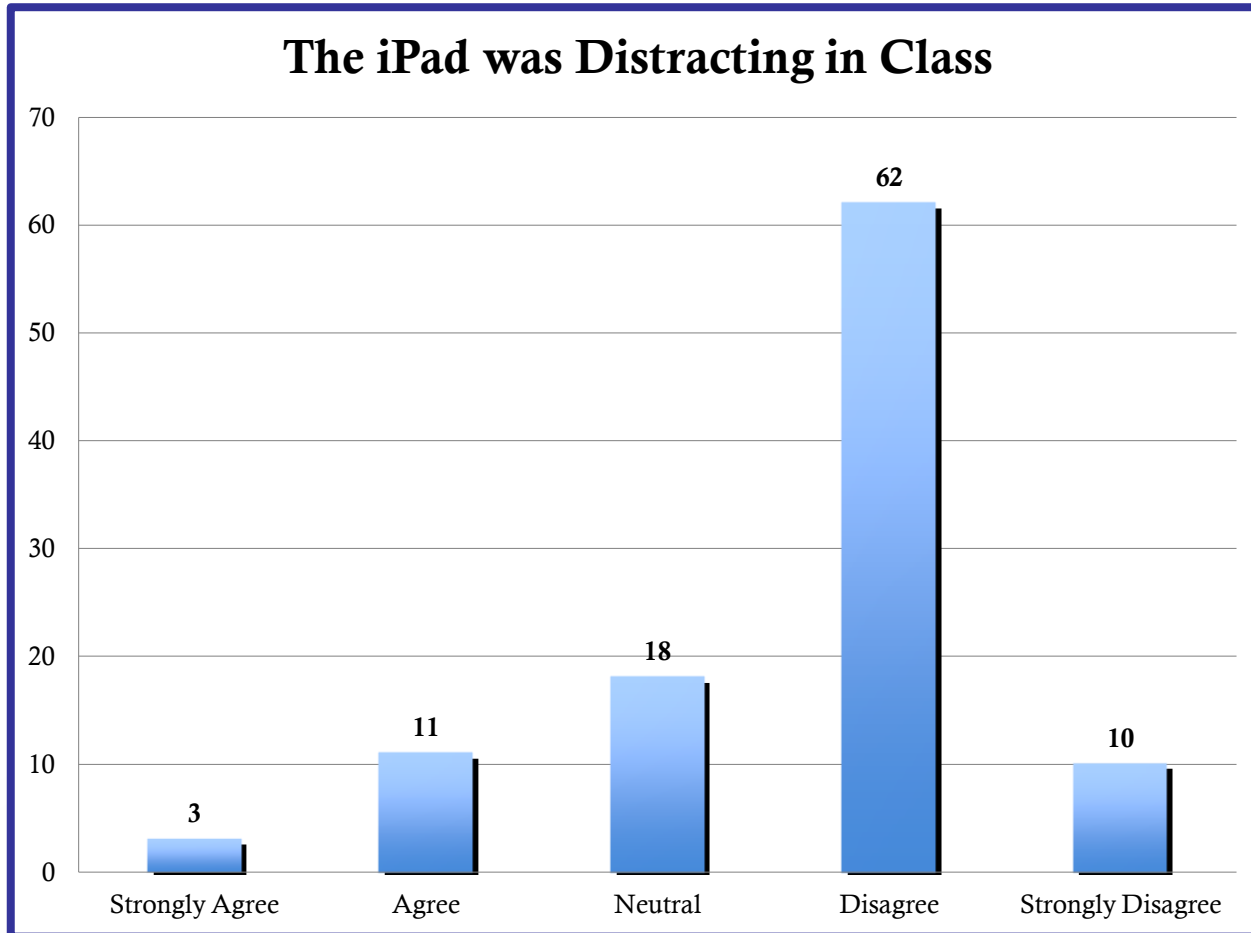
Student Responses

Would You Use the Professors Notes Outside of Class

Student Responses

Using Real Time Problems and Data in class made the material more interesting

Student Responses

The iPad is Great for Learning Graphs

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
27	62	14	1	0

Student Responses

The iPad Lectures Were Easy to Follow

Student Responses

The iPad was Distracting in Class

Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
3	11	18	62	10

Student Responses

Student Responses
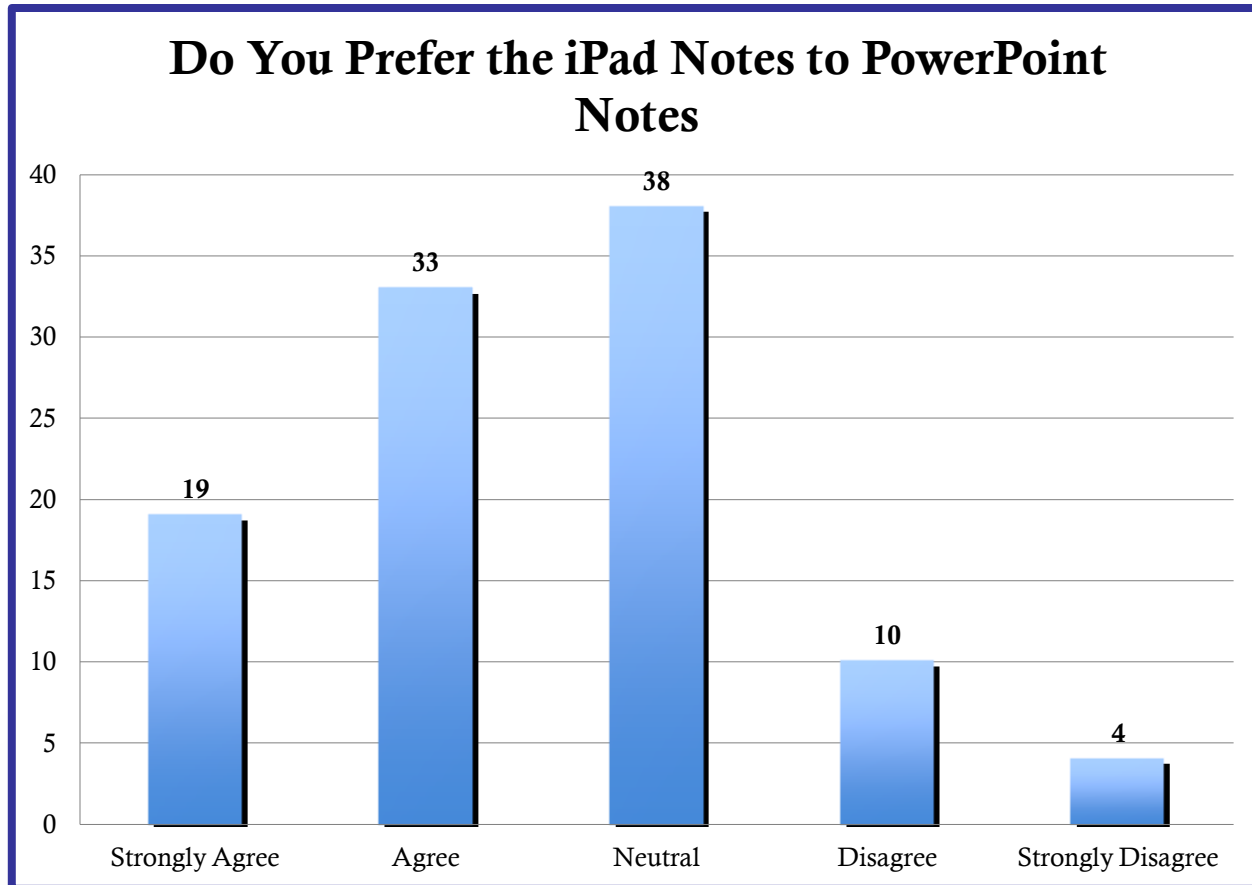
The iPad Notes Complimented the PowerPoint Notes
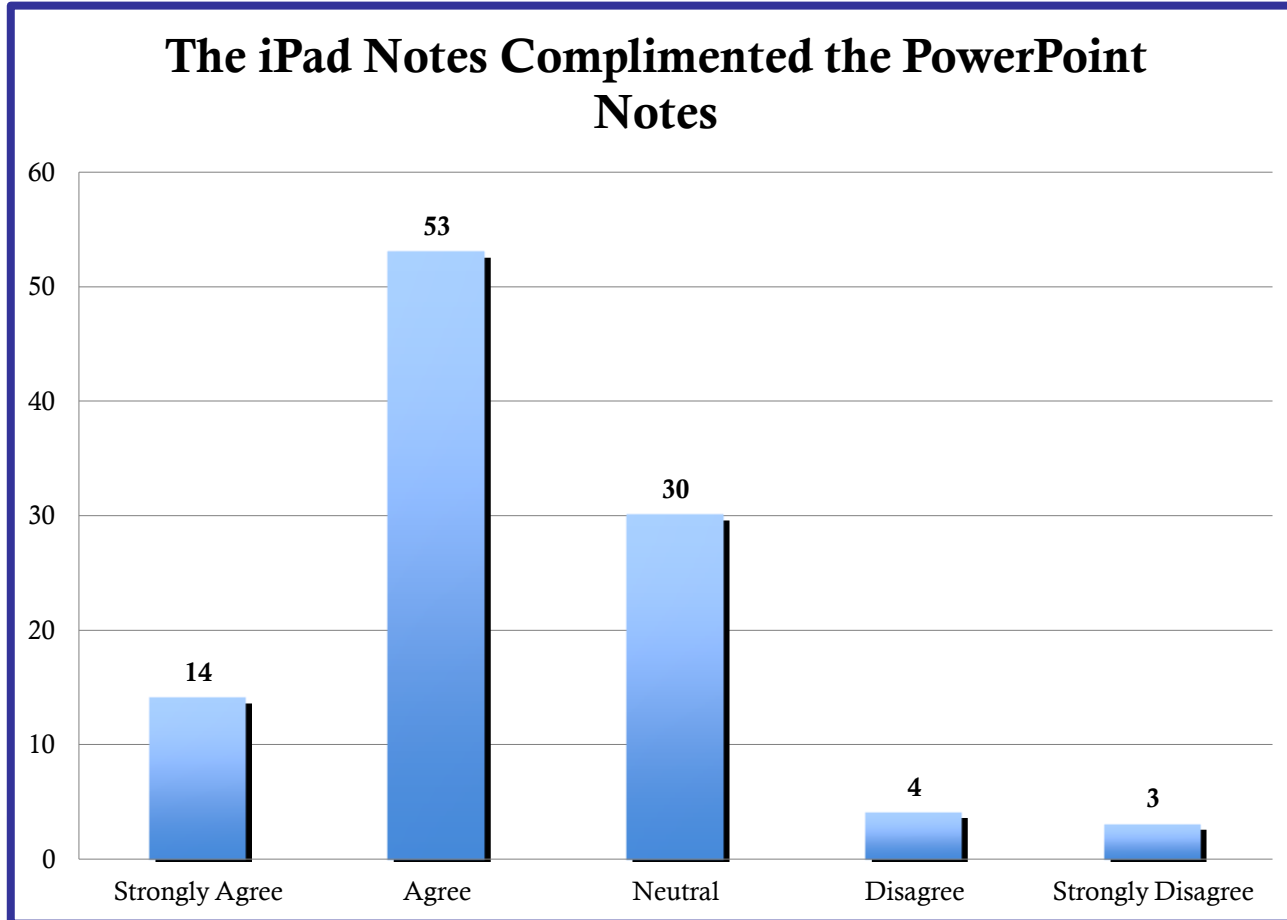
Faculty Thoughts

- Ease of Use
  - Relatively simple to learn to use the software
  - Notes are automatically saved and can be uploaded to Evernote

- *Easy to use as long as classroom technology is working (projector, computer, iPad is charged)

Faculty Thoughts

- Time Requirement
  - Takes a little extra time to prepare lectures and decide where to incorporate the iPad
  - Saves time when lecture is repeated because lecture prep is done
  - Very little time required to save images as a pdf and upload them to Blackboard

- Need to get premium account on Evernote if you plan to use it a lot ($45/yr for 1GB/month)

Faculty Thoughts

- Technical Issues
  - Getting in a hurry and handwriting suffers
  - Hand hitting buttons on Penultimate
  - Writing issues if using a stylus or when screen is dirty

Screen Shot
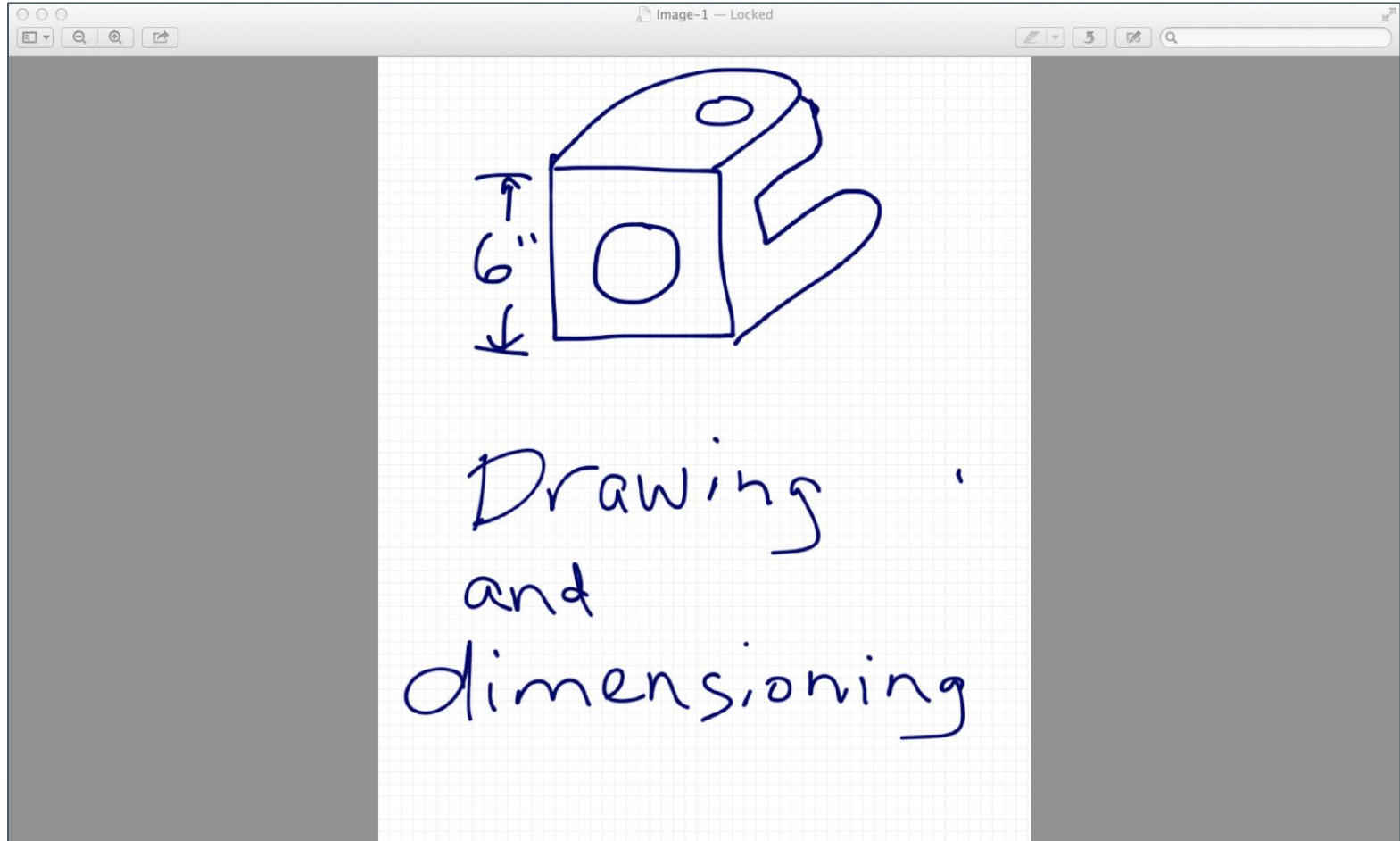
Final Thoughts

- This technology is a great tool

- It should not be viewed as a burden to the professor

- Excellent resource for online students