Beamer Presentations with Org Mode

Randy Ridenour

Oklahoma Baptist University

Introduction

Advantages of Beamer

- Plain text
- The power of LaTeX
- Produces platform-agnostic PDF

Disadvantages of Beamer

Writing LaTeX can be cumbersome!

Solution

- Emacs Org Mode
- Problem: producing presentation and article with same content
- No easy solution found online

Details

Contents File

- One org file for presentation contents
- No header information
- Choose heading level to use as slides
  - I use h3

Presentation File

- Specify slide level: `#+OPTIONS: H:3`
- Add `ignorenonframetext` to `#+LaTeX_CLASS_options`
- Use `#+OPTIONS: toc:nil`
- Begin with two empty slides
  - First with `\maketitle`
  - Second with `\tableofcontents`
- Add contents file with `#+include: "contents.org" :minlevel 1`

Article File

- Use your normal article headers.
- Add #+LaTeX_HEADER: \usepackage{beamerarticle}
- Add contents file with #+include: "contents.org" :minlevel 1
- Be sure to process with Beamer export

Conclusion

Lessons Learned

- Sometimes things don't have to be difficult.
- One remaining issue: verse environment won't work in beamerarticle.
- I hope this saves at least one person some time.
- Any questions or suggestions, please let me know!