

Presenting Science

Run from Death By PowerPoint towards Presentation Zen

Death By PowerPoint



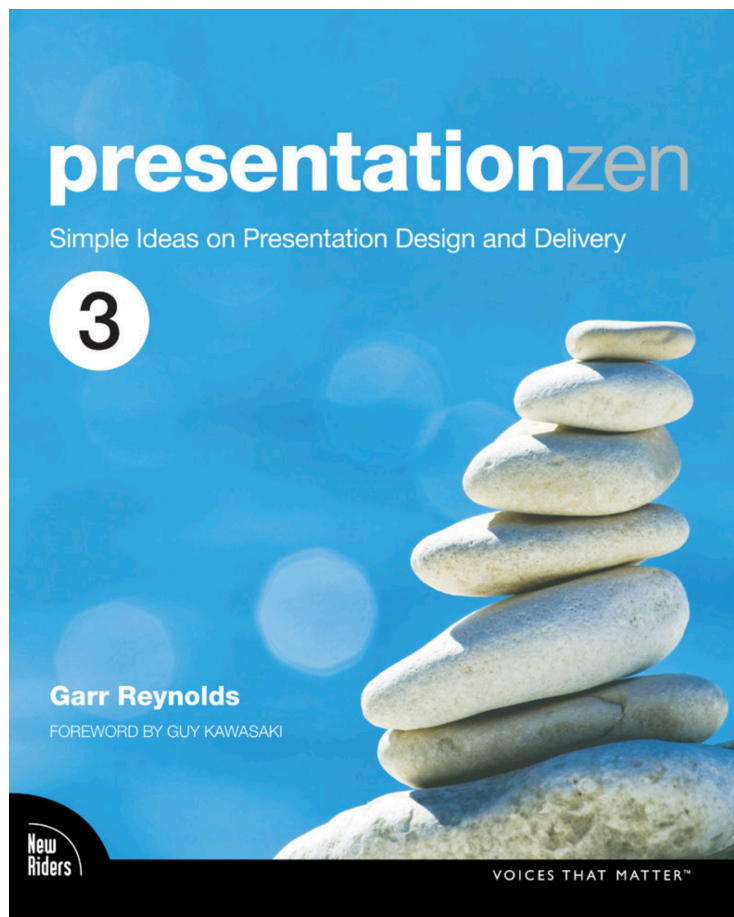
- Too many slides
- Too much information on one slide
- Poor quality graphics
- No theme
- No structure / order
- No story
- We have all seen it
- We have all done it
- Take this slide, for example.



Presentation Zen

Story
Theme &
Structure

Presentation Zen



A book and presentation philosophy championed by Garr Reynolds.

Focus is on improving business pitches but covers teaching as well.

Emphasis on storytelling.

Presentation Zen

Three main stages of a presentation:

Preparation, Design, & Delivery

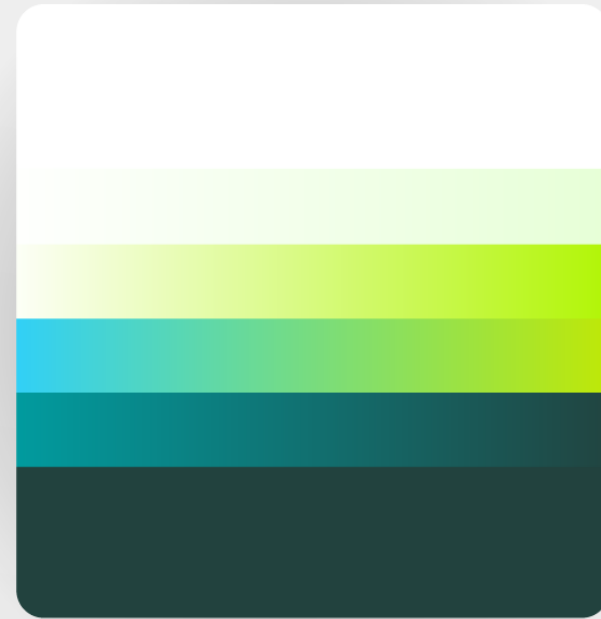
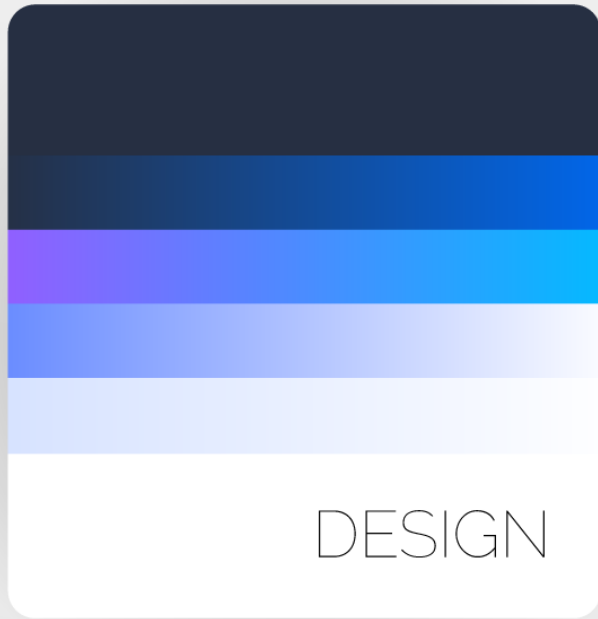
More info: <http://www.garreynolds.com/preso-tips/>



Presentation Zen: Preparation

- Close your laptop – work offline/analogue
- Know your audience.
- Understand why you are speaking (invited lecture, submitted an abstract/paper, keynote, public interest talk, workshop, etc.).
- Organise your story: storyboard, outline, revise, remove.
- Give yourself the elevator test: Can you tell your story in under 1 minute?

<http://www.garrreynolds.com/preso-tips/prepare/>



Presentation Zen: Design

- Keep it simple – the slides compliment the speaker / help the audience.
- Limit text, animations, transitions.
- Maintain a theme between slides, charts, graphics.
- Use high-quality graphics.
- PowerPoint has a **slide sorter mode** – use it!

<http://www.garrreynolds.com/preso-tips/design/>

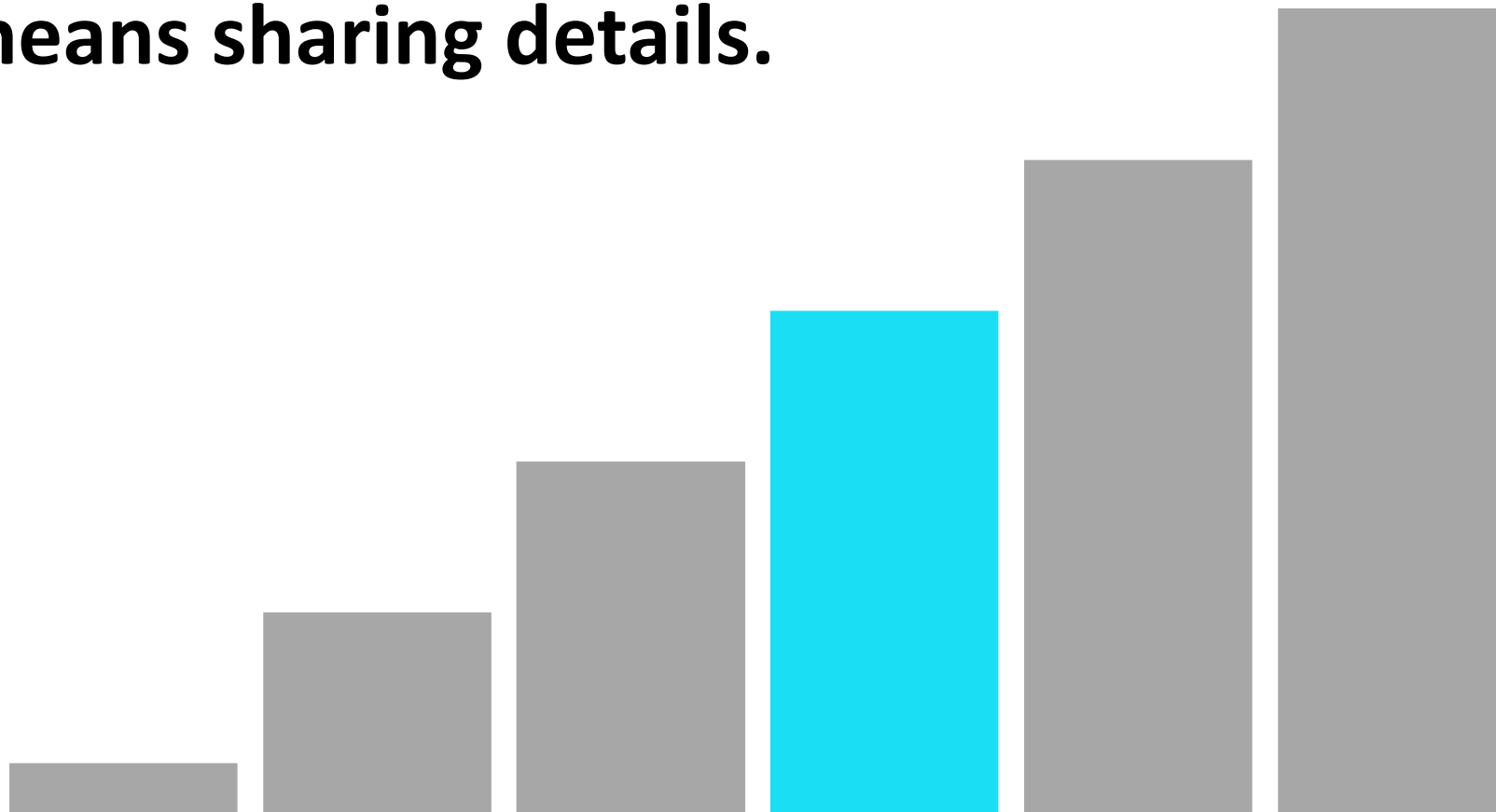


Presentation Zen: Delivery

- Be passionate about your topic. If you don't care no one will.
- Start strong – make a good first impression.
- Move around; use a remote.
- Err on the side of brevity.
- Be kind. To your audience, your subject matter, your colleagues.

<http://www.garrreynolds.com/preso-tips/design/>

Presenting science means sharing details.



Balancing Details & Zen

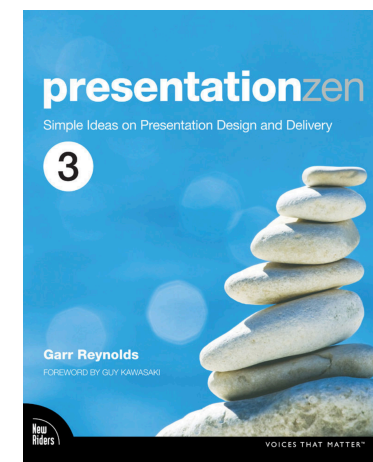
- In science, our work needs to stand up to scrutiny.
- In papers, we go to great lengths to present our methods and results thoroughly and convincingly.
- In *most* conference presentations, we don't need that much detail.



Paper level details



Zen



Balancing Details & Zen

European Journal of Wood and Wood Products (2019) 72:461–474
<https://doi.org/10.1007/s00261-019-00612-2>

ORIGINAL

Investigating face veneer check development in decorative plywood panels: the impact of four common manufacturing factors

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 Received: 13 December 2018 / Published online: 10 September 2019
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Abstract
 An optical method based on digital image correlation was used to investigate the impact of four decorative plywood manufacturing factors (veneer type, veneer type adhesive type and fabric check orientation) on face veneer checking. The face veneer types were combinations of medium density fibreboard, particleboard, and veneer core. The face veneer types were packed 1050 mm, packed 1575 mm, solid 1575 mm, and solid 1575 mm. Each veneer core and face veneer type was fabric check orientation was used. The adhesive systems were water based urethane, poly methyl methacrylate, and polyurethane. The treatment combinations with replicates were tested. All specimens were exposed to humid hot moisture drying conditions approximately 90 °C and 20% relative humidity for 48 drying exposures. Checks were detected on 60% of most of face specimens (95%). The untreated medium check densities (area of checking per unit area) indicated some unfavorable factor combinations. All factors had some degree of interaction with one another and check development could not be attributed to a single factor examined in this study. The data were fit to a generalized linear mixed model based on Tweedie's compound Poisson distribution. Credibility intervals were calculated and heterogeneity. The check density estimates produced by this model can be used to quantify plywood manufacturers as they check on panel components. The broader use of the model is to highlight the complexity of the problem and guide future research in this area.

1 Introduction
 Decorative laminated plywood panels are used throughout the process of building construction. They are made from a variety of materials, including veneer, particleboard, and veneer core. They are used in a variety of applications, from interior wall and ceiling panels to floor and ceiling applications. In most critical, any defect in the face veneer can lead to complaints by the customer. For many years, a common and early veneer complaint has been checking in the face veneer (Bicknauer 1972; Cavness et al. 2003; Lawrence et al. 2013). No standard regulates the minimum wood-fibre separation to qualify as a check, and so each has assessed end user views on acceptable levels of checking in finished panels that produced customer complaints. Checks in this study were defined as separations of the wood fibres along the face veneer greater than 1.2 mm when fully assembled and longer than 1 mm (Bernard 2012). When the surface is approximately 100% moisture, the maximum gap between the face veneer and core materials develops, variable checking gaps between the face veneer and the core material generate drying stresses, which are the principal cause of checking in bonded plywood products (Bicknauer and Hauer 1990; Farber 1997; Schramm 2003; Cavness et al.

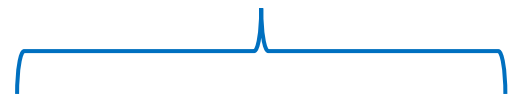
Paper level details



Zen



Try to be here...



Some strategies to balance

- Include more details in the slide, but don't mention every item. Leave that for a reader/viewer later.
- Include hidden slides that are made available later.
- Make an alternate presentation for sharing.
- Make a recorded version of you giving the presentation and include extra slides with more details at the end.

Design suggestions

- If presenting on an unknown computer, use built-in fonts in pptx. If presenting in PDF, you can use your own fonts. Sans serif are good for most projectors.
- Avoid tables. Use charts.
- Avoid excel/ppt charts.
- Avoid built-in templates.

Presentation suggestions

- You don't need an outline; remove it.
- Practice before you give your presentation.
- Humour is good, but keep it professional.
- Remember you're speaking to the audience, not the screen.

Presentation suggestions

- If questions are allowed, leave time for them.
- Anticipate questions. Have a few extra slides ready at the end of the deck.
- The slides are there to support the story, not tell it. Don't read the slides.

Presentation resources (added after class)

- The @iamscicomm twitter account has a lot of helpful tips and advice in a wide variety of science communication topics, including presentations.
- For more presentation specific advice, Dr. Echo Rivera @echoechoR has helpful resources (see: <https://www.echorivera.com/blog>)

Interim "Assignment"

Due 10h Tuesday 12.1.2021

Watch Garr Reynold's presentation at TEDxKyoto 2014

<https://www.youtube.com/watch?v=YbV3b-l1sZs>

Read the follow-up blog associated with the presentation:

<https://www.presentationzen.com/presentationzen/2014/11/10-tips-for-improving-your-presentations-lectures-speeches.html>