

Prof. Dr. Jan Borchers Chat Wacharamanotham Simon Völker

Media Computing Group RWTH Aachen University Winter term 2011/2012

http://hci.rwth-aachen.de/dis

Overview

- Presentation Guide
- Fitts's law exercise
- Exam topics
- Project coaching

The First Two Questions

- After the presentation, the audience should be able to answer these questions:
 - I.Who are the users?
 - 2. What do they want to do with the system?

Presentation: Do

- Test your hardware setup before the presentation date
- Plug your hardware during the Q&A time of the previous group
- Engage audience with visual and sound
- Have team member help you during the presentation
 - 2–3 speakers
 - The rest can help in demo and/or role play
- Make audience laugh
- Give some thought for the audience to take away
- The show must go on

Presentation: Avoid

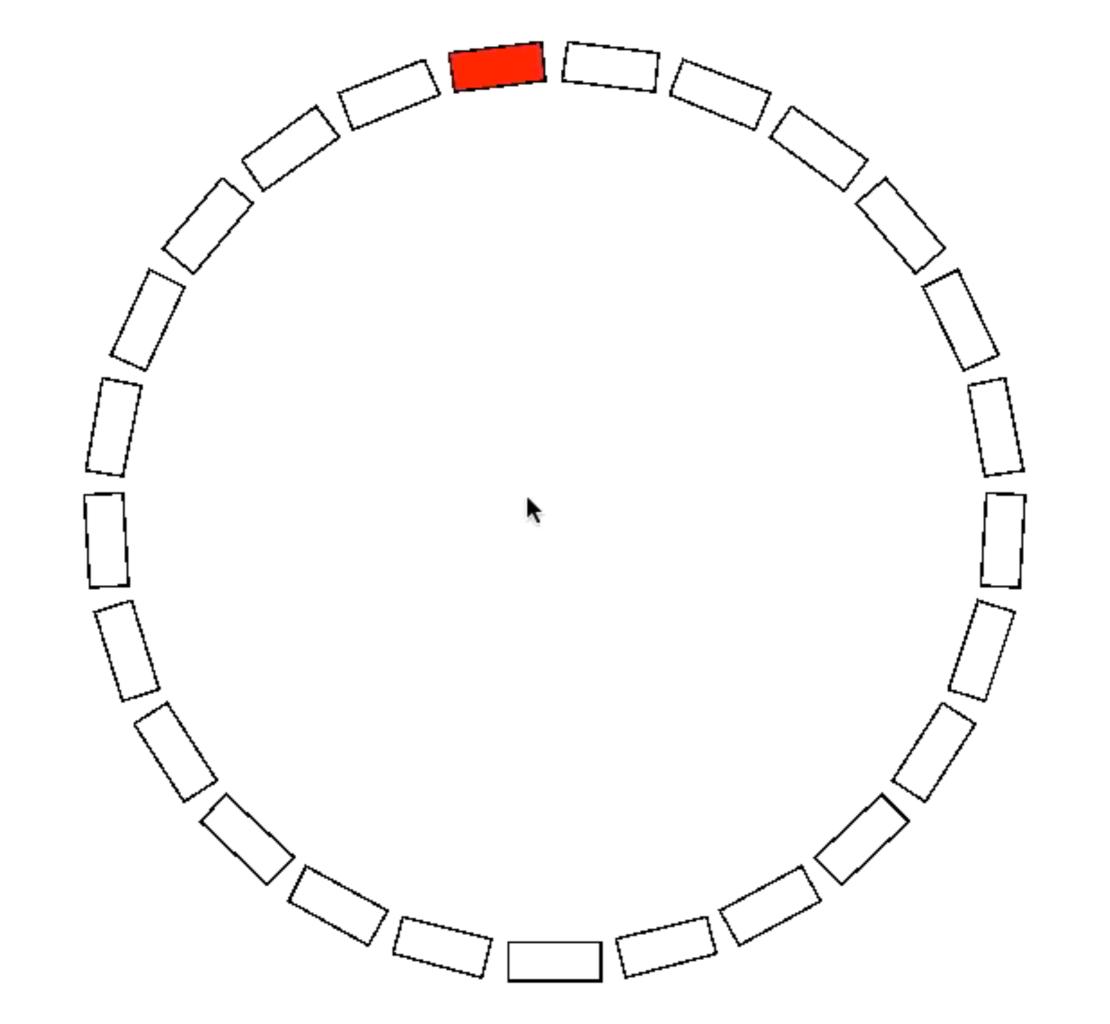
- Take than 10 minutes
 - You will be mercilessly kicked out
- Hardware setup problems: projector, sound
 - If your hardware doesn't work, you will be queued after the last group
- Software demo is not working
- Show routine screens, e.g., login, register
- Too much information that is well-known for the audience
 - Your audience has already taken DIST
- Reading bullet points on the slides

Start with PUNCH

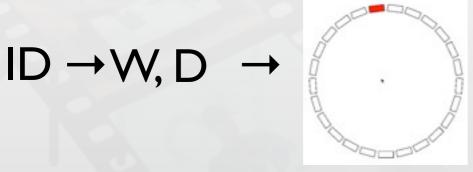
- Primacy effect: people remember the beginning more strongly
- Make it Personal
- Do/say something Unexpected
- Show/tell something Novel
- Challenge assumptions
- Tap emotions with Humors

Make Your Presentation "Sticky"

- Simple: What is the key point? Why does it matter?
- Unexpectedness: Pose questions and fill it with answers
- Concrete: Give real example.
- Credible: Use terms that people can visualize and understand
- Emotional: Image that invoke feelings
- Stories: Connect what you want to say into a story

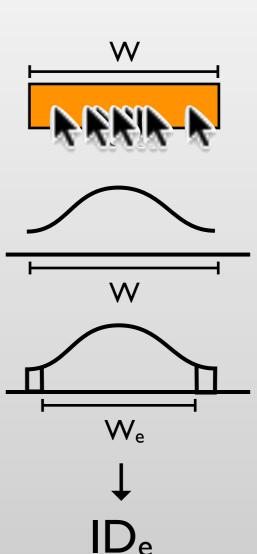


Assignment I: Fitts' law



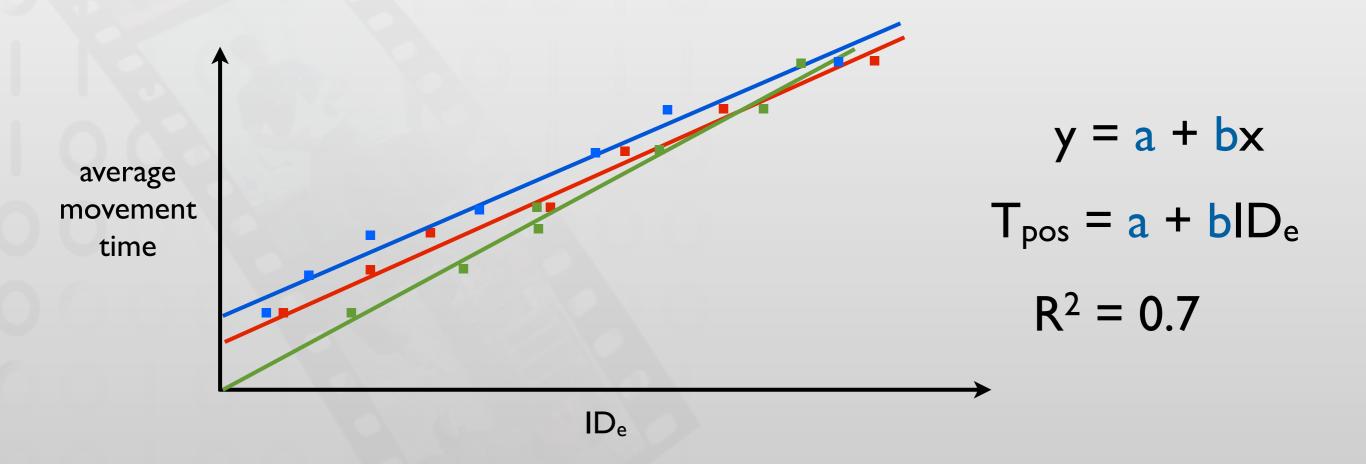
Times(ms); Distance(pixels) 1041.0; 6.0 952.0; -5.782796741474173 896.0; -0.40661550228435317 824.0; -5.228945820189139 1160.0; 6.9936592666416 1352.0; -4.225948483053429 1288.0; 8.430048918662692 783.0; 0.3274586709556502 984.0; -7.082781426273073 768.0; 2.9269123944920565 896.0; 8.540645463001965 792.0; -3.4873980782168985 831.0; 8.244382168846187 736.0; -8.527141825171867 927.0; -6.415614036267016 1176.0; -6.124685904471306 855.0; -3.04985303105218 833.0; -0.7390652923936045 1200.0; -5.239670522968936 824.0; -6.4879528765742975 760.0; -0.2783961781877906

969.0; -4.8229608507982675 862.0; -4.385653696921736



Fitts, Welford, Shannon

Assignment I: Fitts' law



Best-fit empirical model

Assignment I: Fitts' law

- How to select best-fit model from linear regression?
- When to use empirical model?
- When to use simplified model?

Exam Topics

- 60 minutes 60 points
- Emphasize the part after the midterm
 - Pre-midterm content: about 10% of the points
- Topics that are not in the exam
 - Objectified, Persuasive interface, Game design, Emotional interface
- Mostly testing knowledge & mechanical skill

Final Exam Question Ordering

- Pre-midterm content:
- Human performance models: CMN, Fitts's
- Interface efficiency: GOMS
- Notation: state machine, petri net
- History
- Vision
- Evaluation with/without users
- Statistics