## Designing Interactive Systems I: Lab 9

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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 DISI
- 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 $\longrightarrow$
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

