Wearable Computing

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Context
Sensors

- Integration into wearables
- Sensor Types
- Details: position
What do we know so far?

- History, Terminology
- Hardware: input, output, . . .
- Methods, Usability, Differences to Desktop
- Now we can get started!
What makes the wearable different?

- Supporting a primary task!
- How do we do this?
- Context
Context

- Task Context
- User Context
- Environmental Context
Context sources

- Prior knowledge
- Asking the user
- Sensors
- Other systems
Handling Context

- Context is knowledge
- Context has both a qualitative and quantitative nature
- Sensors give only quantitative information
- Problem: Making qualitative from quantitative information
- One solution: Supervised machine learning
- Better methods?
Using Context

- Query-based
- Event-based
- Context specification
- Learning context while using it?
Summary

▶ Context
  ▶ Sources
  ▶ Handling Context
  ▶ Using Context