Visualizing Diabetes

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Challenges facing diabetics

- Abundance of data
- Devices = more data points
- Easier for patient or physician to understand?

- More than a health burden
- Consumes time and energy in constant awareness
The problem with existing solutions
Brainstorming

Early stage
- Record life activities
- Understanding causation

Refinement
- Show the data
- Want to see differences
- No user input
- Understanding trends

Key measures
- Coarse (\textit{day, month, year}):  
  - Proportion of time spent at low, optimal, and high blood sugar levels
- Fine (\textit{minute}):  
  - Actual measured blood sugar levels

Combine for global picture
Prototype - The Dashboard

Proportion of month/day at high blood sugar

Actual blood sugar at each time point in a day

Hi

Opt

Lo

Months in Chosen Year  Week in Chosen Month  Chosen Day
Questions

Hi

Opt

Lo
Questions

- Are separate line graphs the best design choice?
- Are there superior ways of representing change over time relative to a past average?
- What's the best way to navigate time?
- Thoughts? Suggestions?