

Roundtable 1:

Conceptually – What Do We Want?

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Ultimate Vision

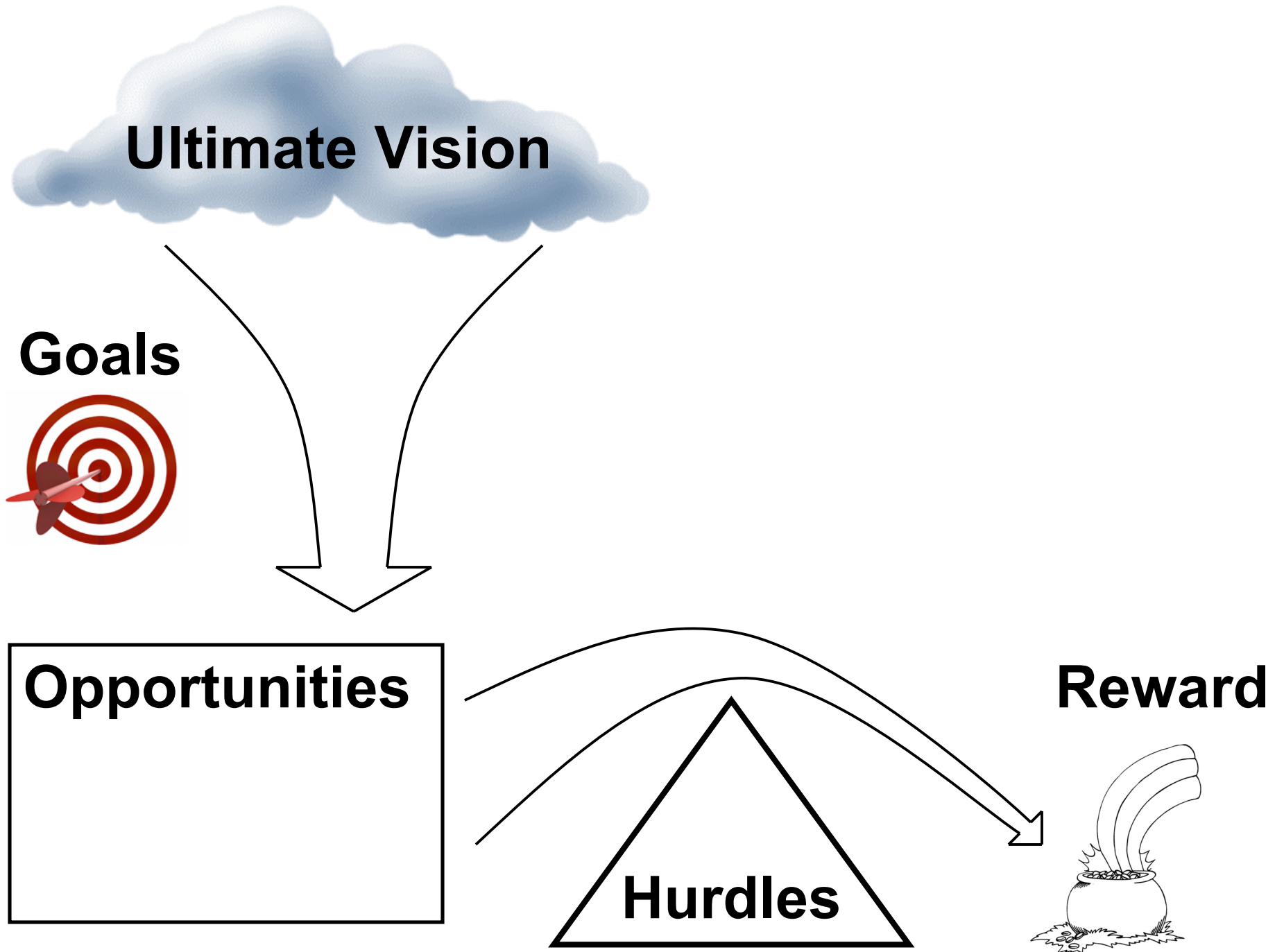
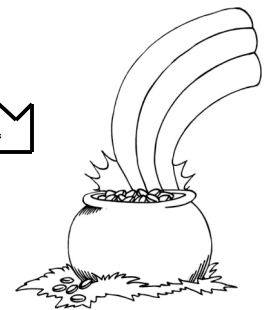
Goals



Opportunities

Reward

Hurdles



Ultimate Vision

Ultimate Vision:

- Computer decision making
 - Artificial intelligence
 - Bayesian networks

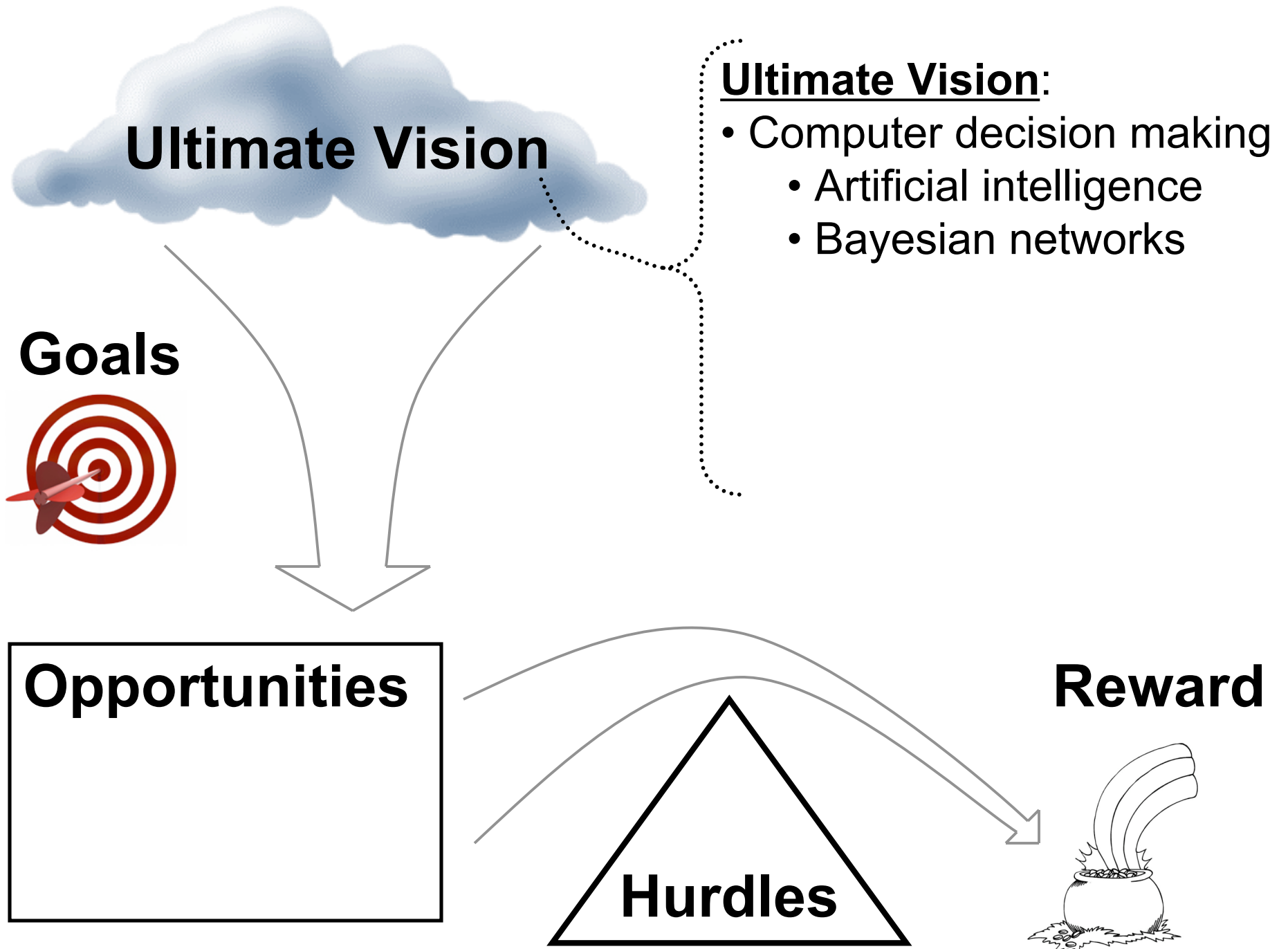
Goals



Opportunities

Reward

Hurdles



Ultimate Vision

• Computer decision making

Goals:

- Collect and present data to care givers
- Data driven decision support tools
- Data access for research

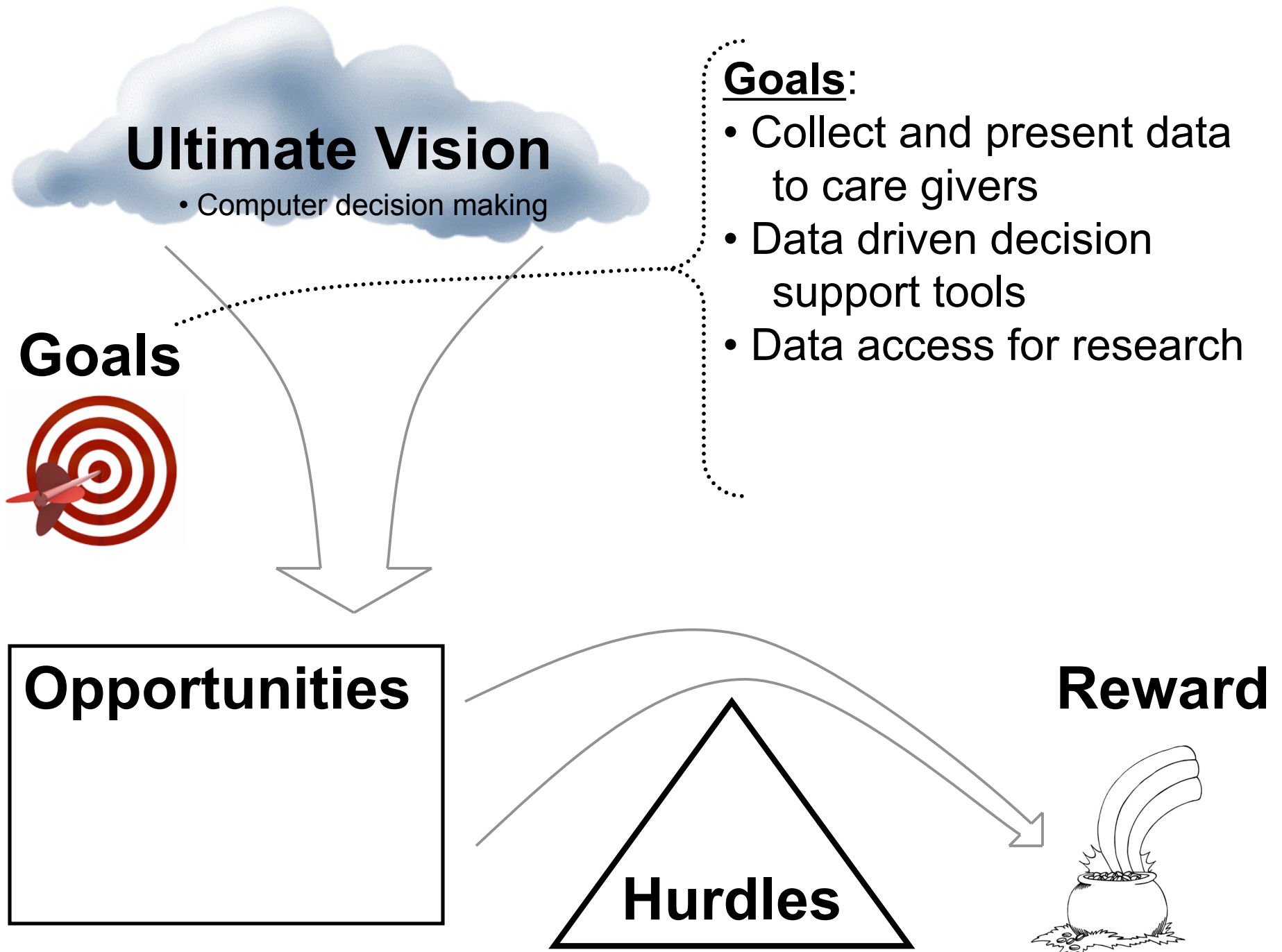
Goals



Opportunities

Reward

Hurdles



Ultimate Vision

- Computer decision making

Goals



- Collect and present data
- Data driven decision support tools
- Data access for research

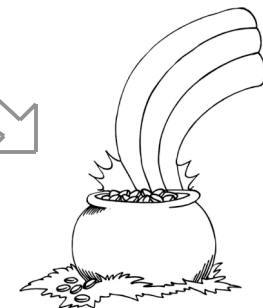
Opportunities:

- Capture data already being monitored
- Apply existing signal analysis techniques to process data for feature extraction
- Improve data visualization

Opportunities

Hurdles

Reward



Ultimate Vision

- Computer decision making



- ## Goals
- Collect and present data
 - Data driven decision support tools
 - Data access for research

Hurdles:

- Technical
 - Access to data streams
 - Analytical techniques
 - Real-time processing
- Clinician vision
- Compatibility issues
 - Device manufacturers

Opportunities

- Capture monitored data
- Apply existing analytics to data for feature extraction
- Improve data visualization

Hurdles

Reward



Ultimate Vision

- Computer decision making

Goals



- Collect and present data
- Data driven decision support tools
- Data access for research

Reward:

- Access to processed and raw biological data for:
 - Improved patient status assessment
 - Clinical trials to evaluate existing analytics
 - R&D: New analysis
 - Investigate underlying pathophysiology

Opportunities

- Capture monitored data
- Apply existing analytics to data for feature extraction
- Improve data visualization

Hurdles

- Technical
- Clinician vision
- Compatibility issues

Reward



Conceptually – What Do We Want?

Ultimate Vision: Computer decision making

Goals: Collect and present data to clinicians and researchers
Data driven decision support

Opportunities: Capture monitored data
Apply existing analytics for feature extraction
Improve data visualization

Hurdles: Technical
Clinician vision
Compatibility issues

Reward: Access to processed and raw biological data
Improved patient status assessment
Clinical trials to evaluate existing analytics
R&D: new analysis
Investigate underlying pathophysiology