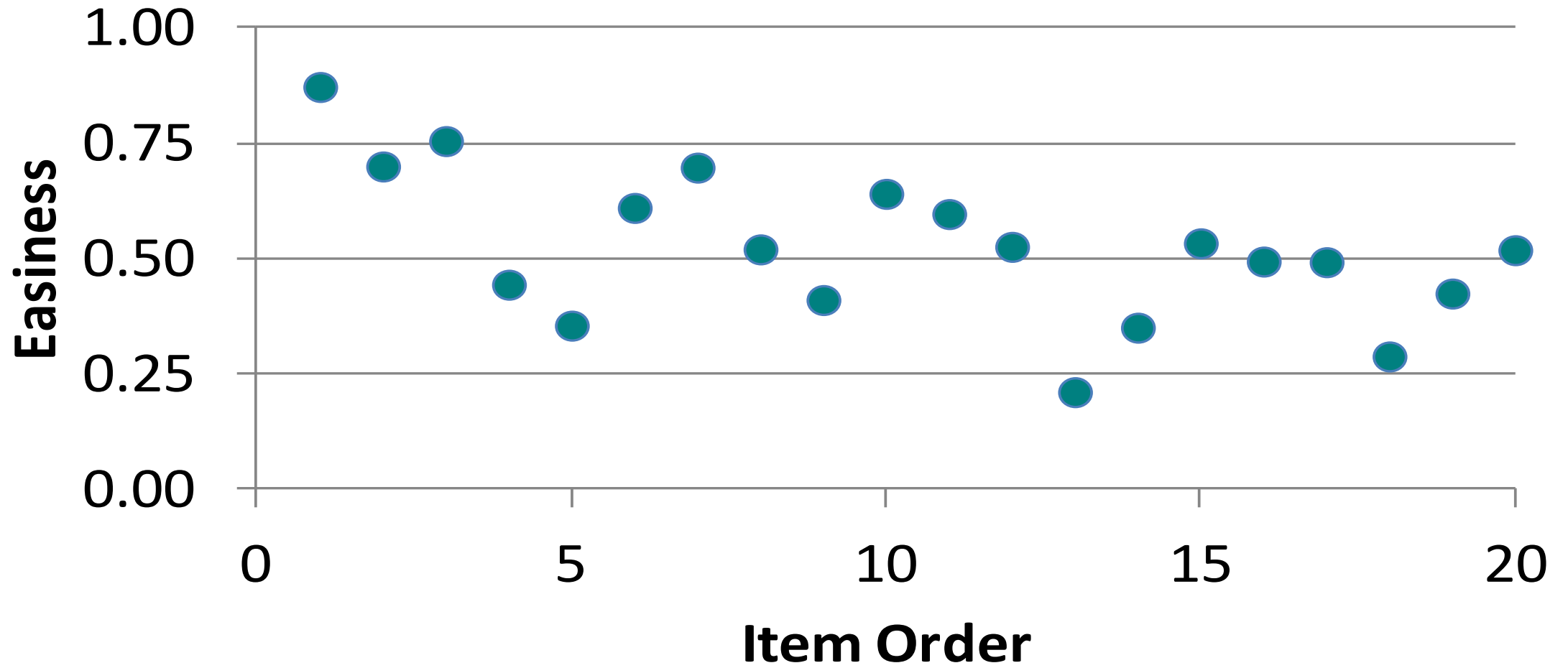
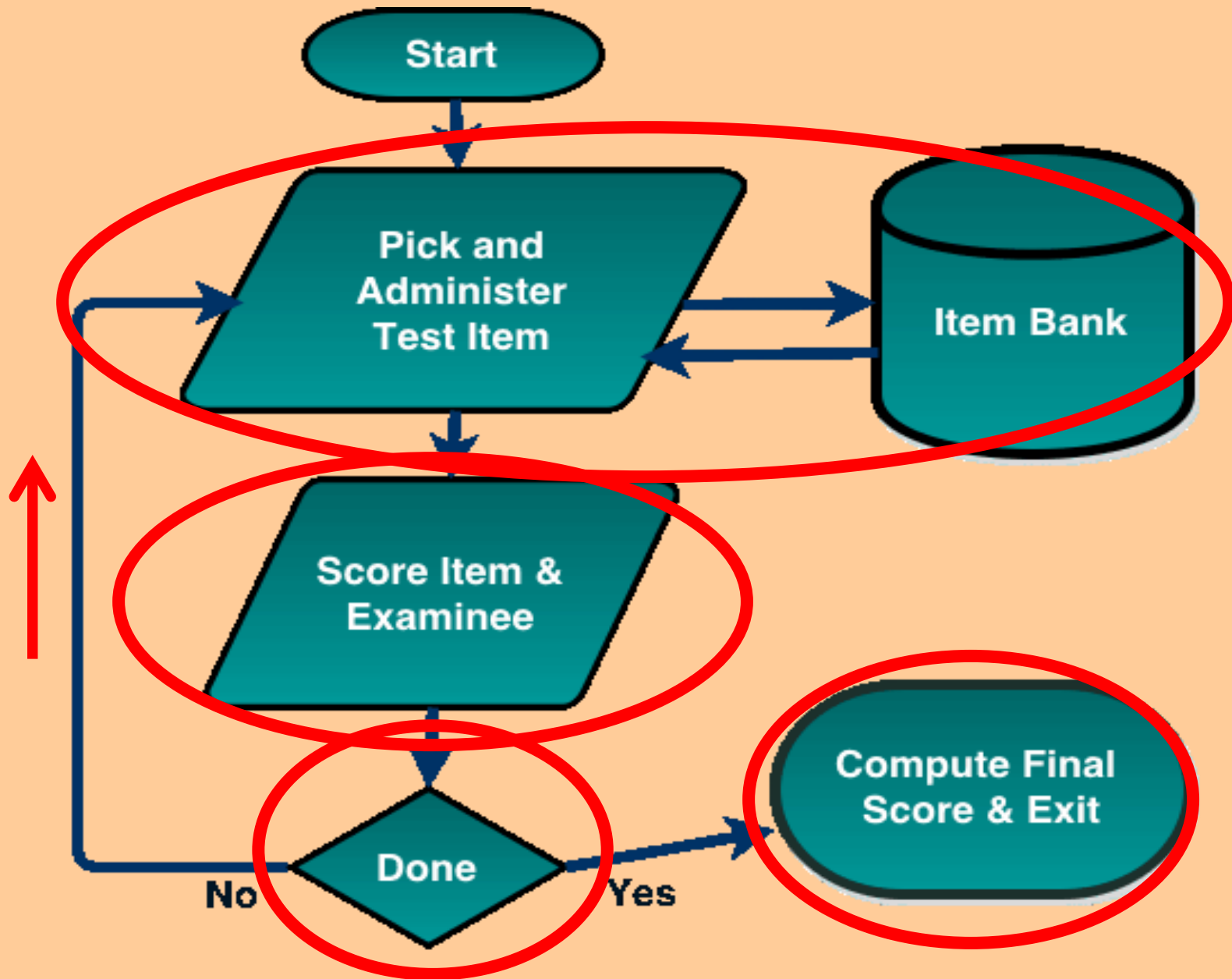


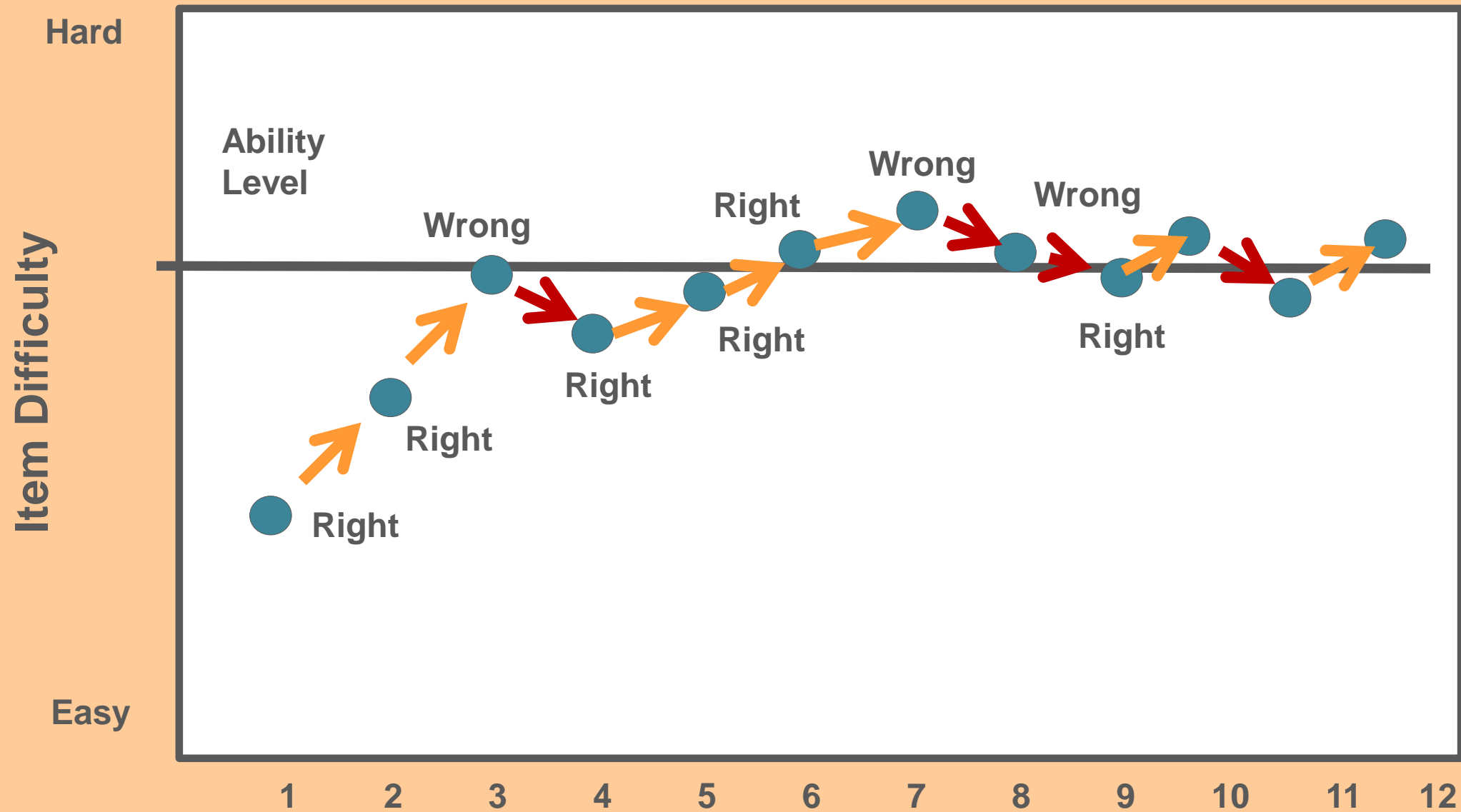
Computer Adaptive Testing

Lawrence M. Rudner
Consultant

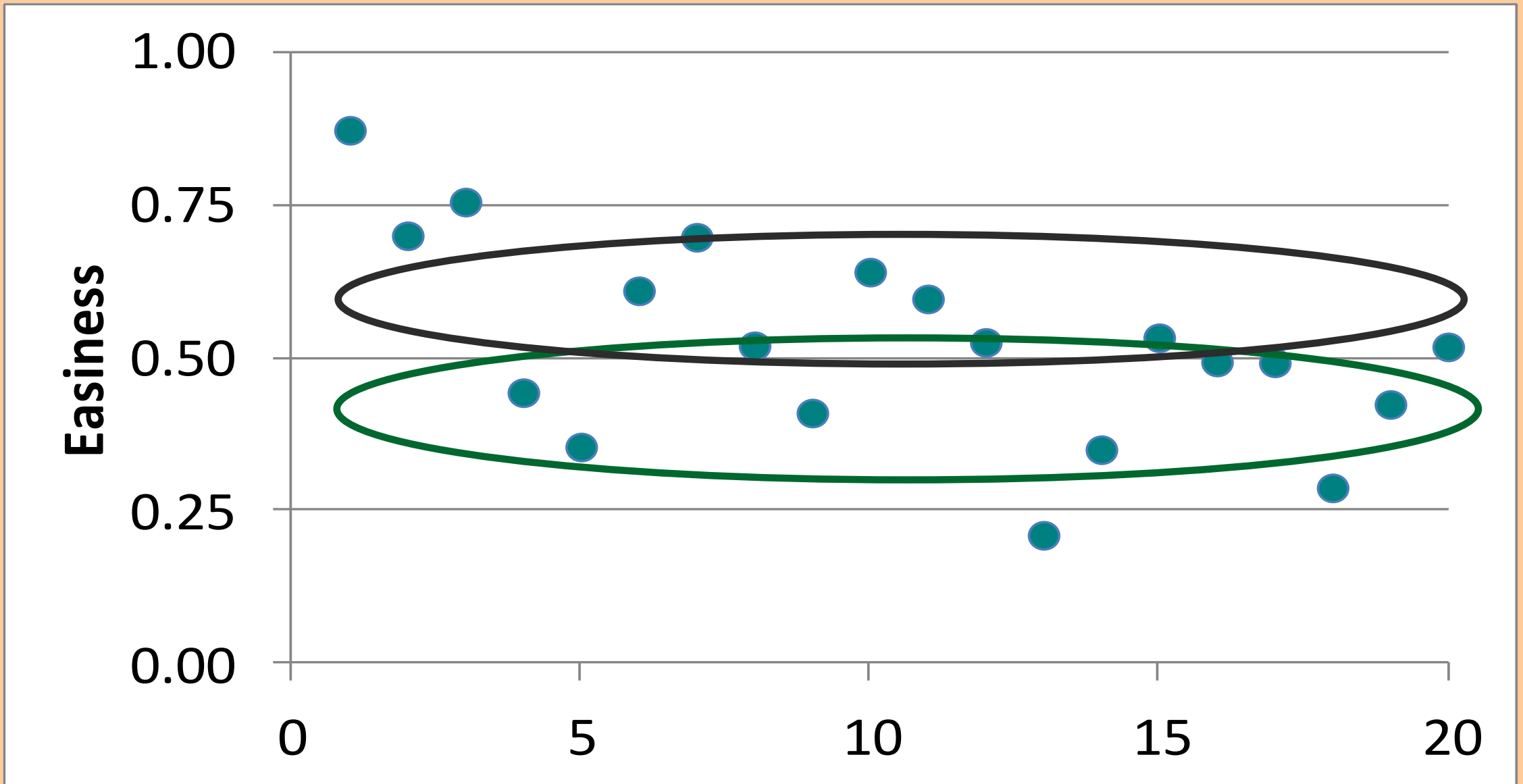
Paper & Pencil



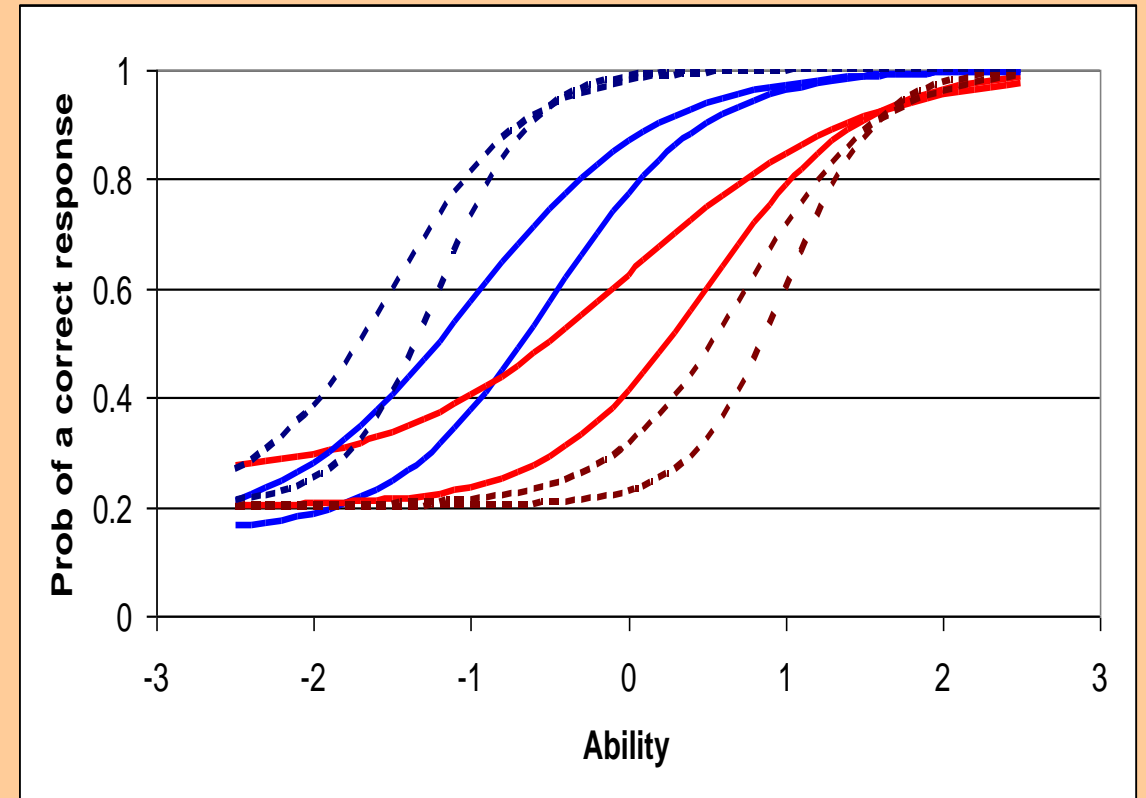
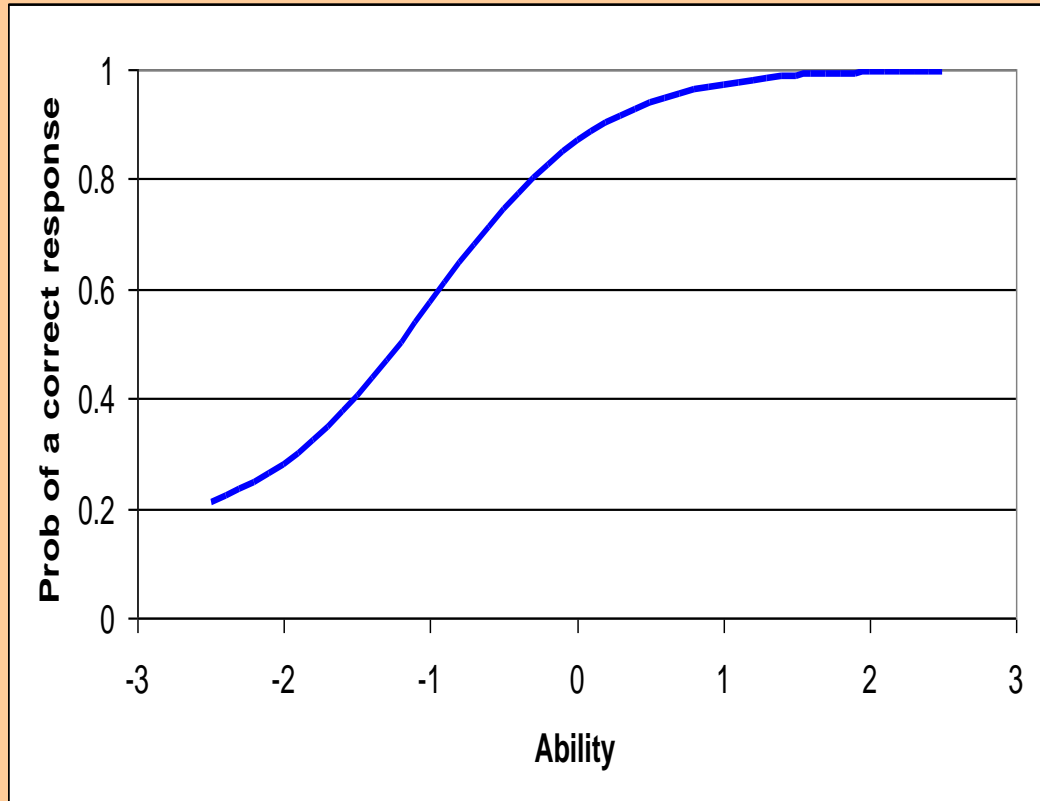




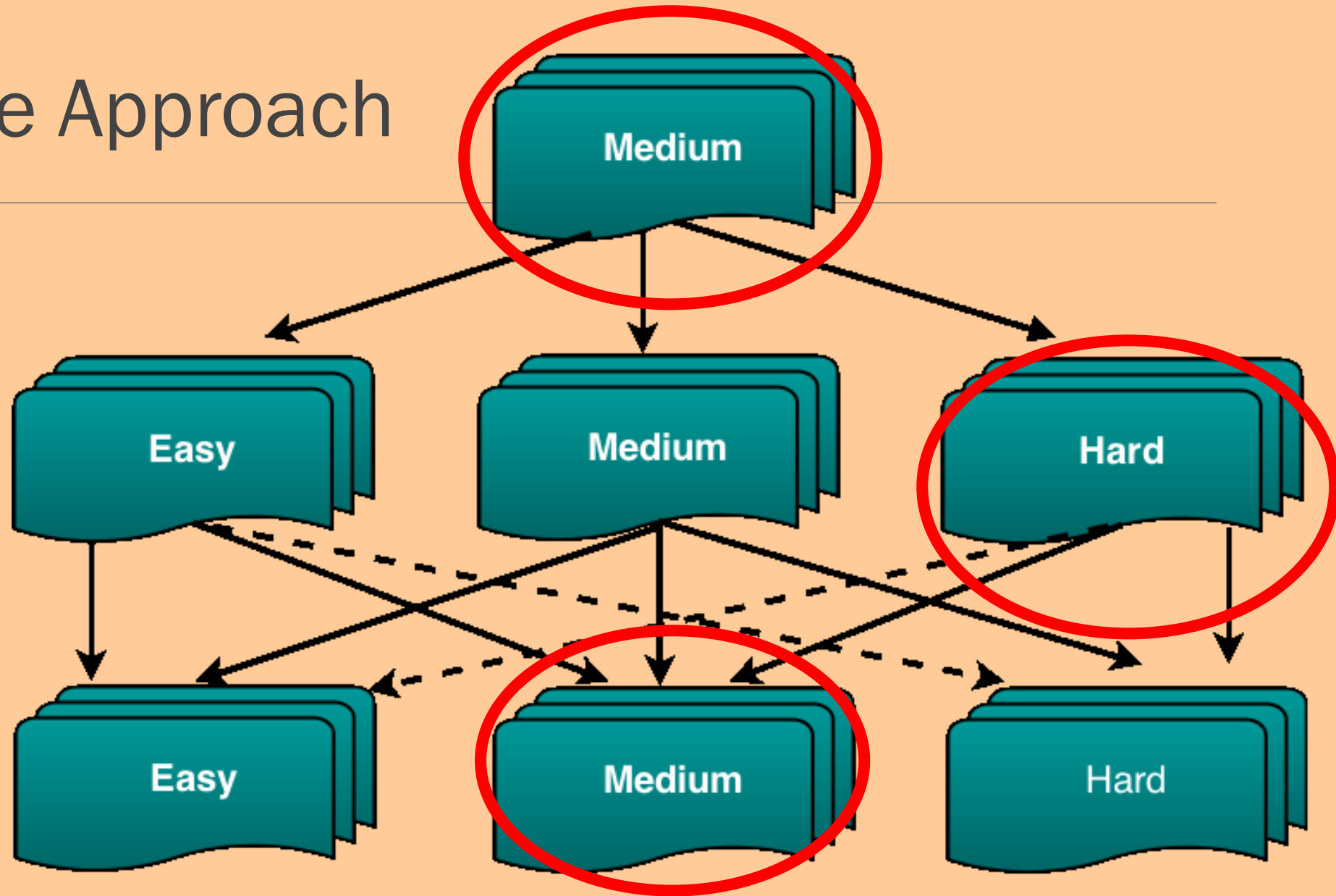
From <http://www.rasch.org/memo69.pdf>

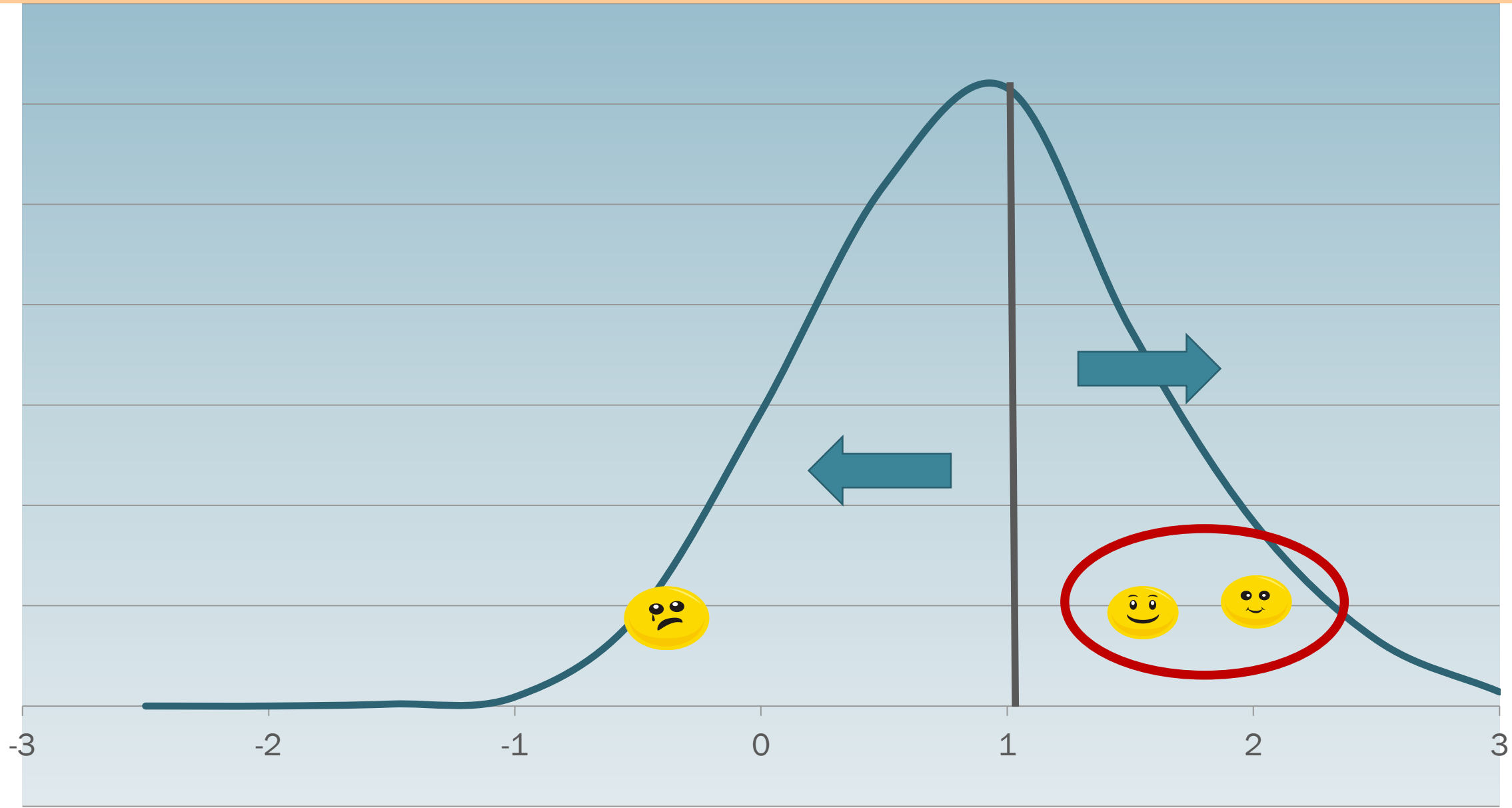


IRT Approach

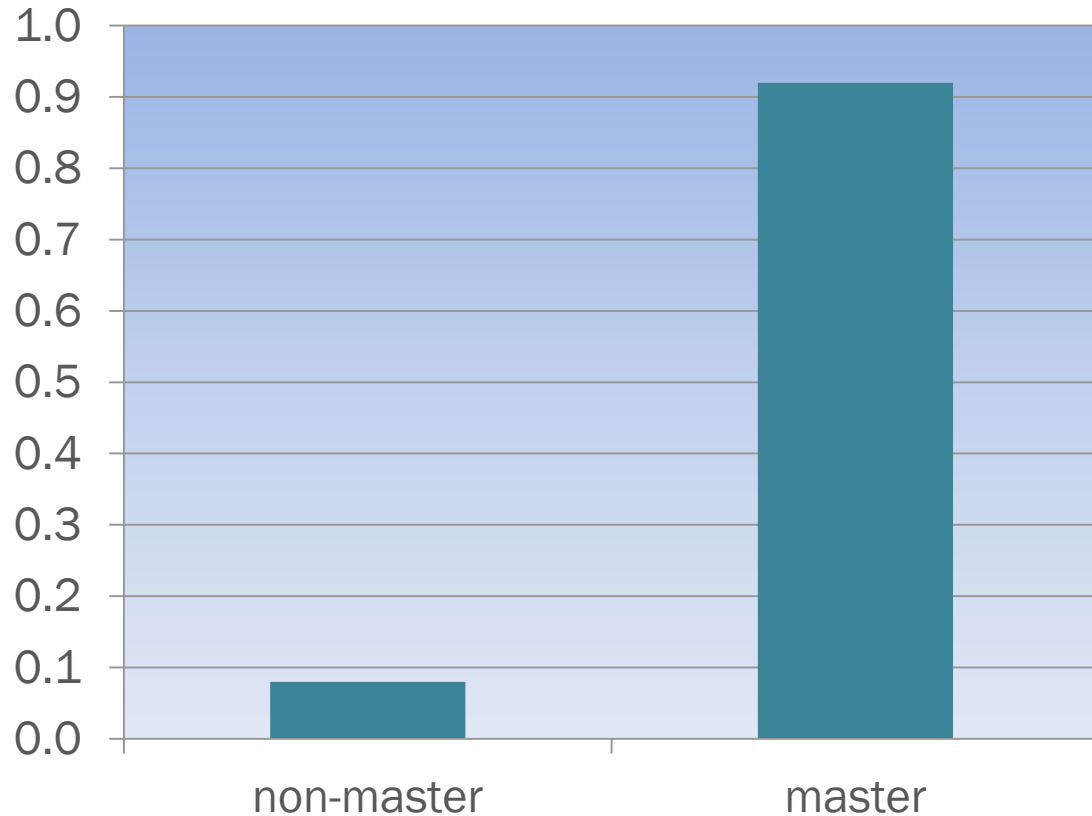


Multi-Stage Approach



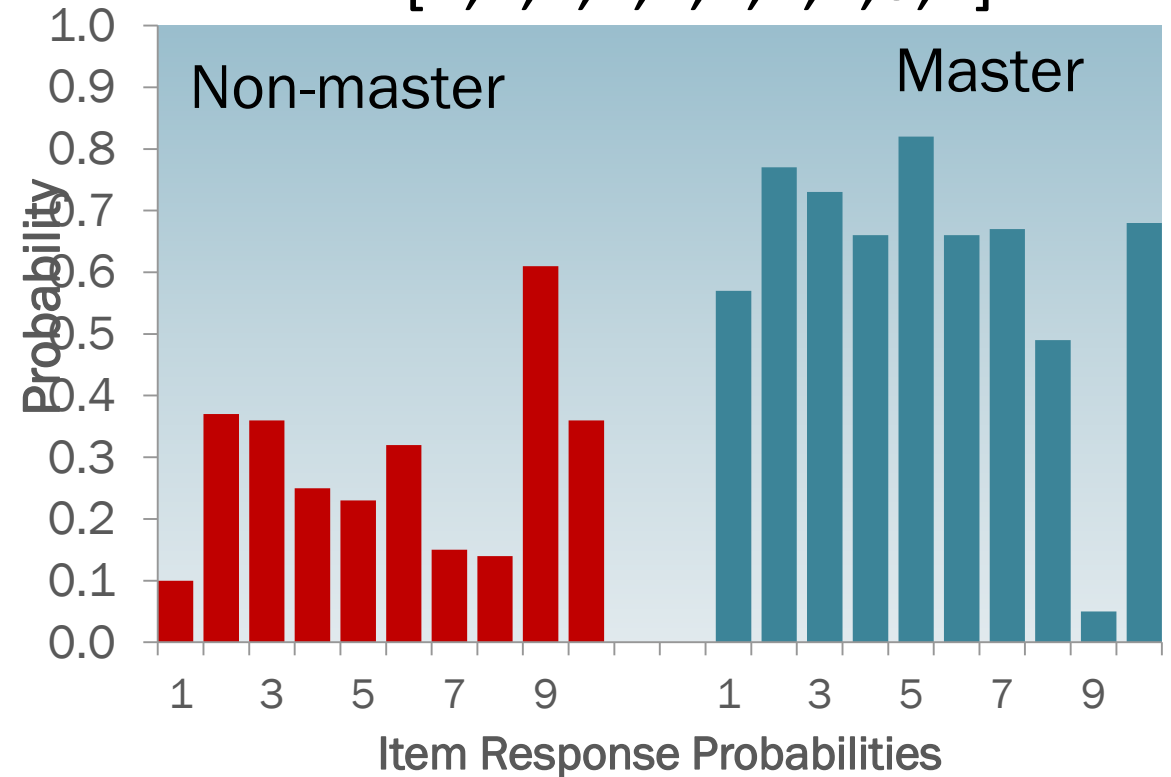


Decision Theory Approach



Test Taker 111

[1,1,1,1,1,1,1,1,0,1]



Advantages

- Shorter tests
- Better precision
- Security ?
- Retesting
- Computer capabilities
- Examinee experience
- Motivation

Disadvantages

- Big bank
- Pretested items
- Good item statistics
- Over exposure - ?
- Security - ?
- No review ?
- Customer Care