

Learning From Experience

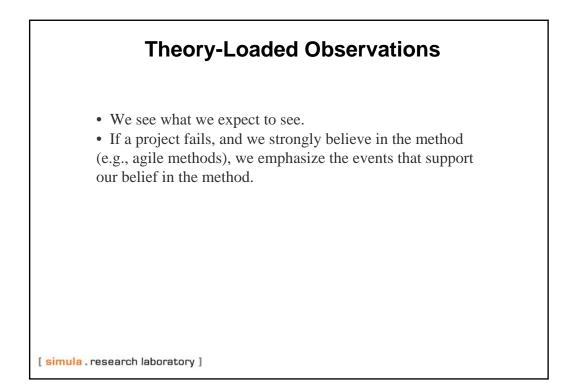
Learning goals:

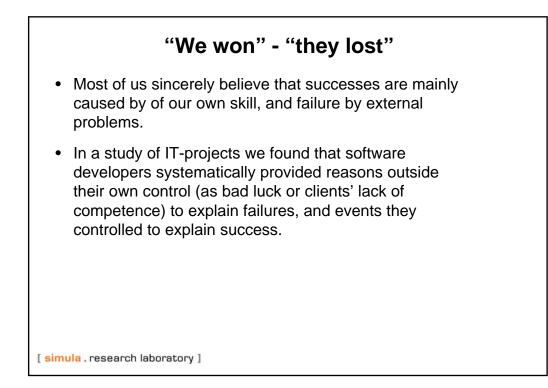
- 1) Typical learning problems when learning from experience. What you should be aware of when using experience-based evidence.
- 2) Better ability to design your own study.

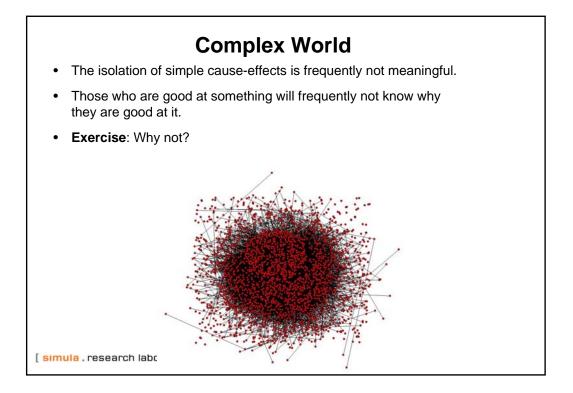


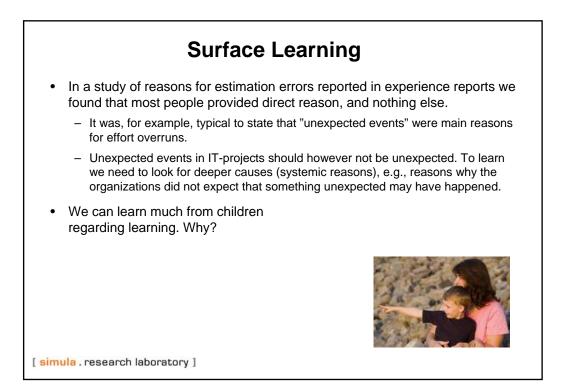
- A strong wish to learn from (e.g., painful) experience is not always connected with environments that enables learning
 - F. I. Steele: Organizational overlearning, Journal of Management Studies, 1971.
- **Exercise**: Sometimes the learning itself makes the learning less relevant. Why?

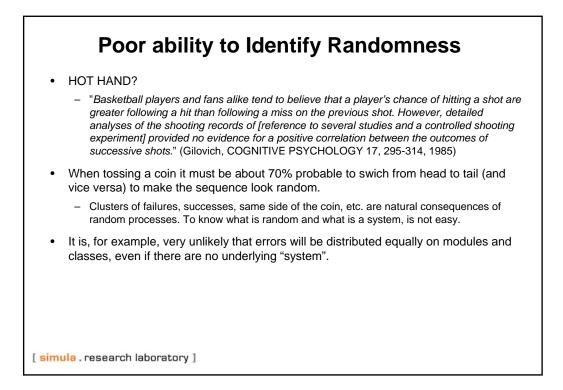
[simula . research laboratory]

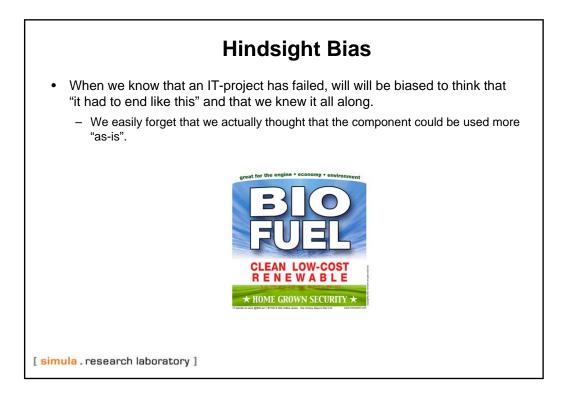


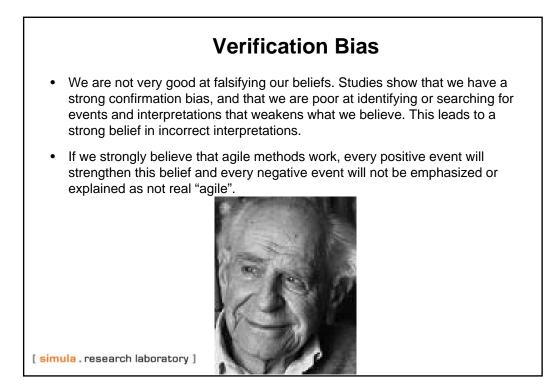












Learning About Learning	
Results from my own study:	
 20 experienced software developers, rat a "Control group". All of them estimated development tasks. 	
 Those in the "Learning group", but not those in the "Control group" were instructed to use at least 30 minutes to identify, analyze and summarize experience and learning after each task. 	
 Surprisingly, those in the "Learning group" did worse than those in the "Control group" on estimation and uncertainty assessment. 	
– An example of over-learning?	81,000 (10) 2,5- 2,0- 1,5- 1,5- 0,5- 0,5- 0,5- 0,5- 0,5- 0,5- 0,5- 0
[simula . research laboratory]	Group

Evaluating Learning From Experience

Control questions:

- How can the "expert" know?
- How learning friendly is the environment?
- Is the learning supported by evidence from other sources?
 - Hard data?
 - Other people?
- · Would another perspective lead to other results
- · How critical is the person to his/her own learning?
- How deep is the learning? Only direct causes?
- Is the interpretation dependent on the degree of success and failure?

[simula . research laboratory]

