EVALUATING E-LEARNING



How to tell if your money was well spent

5 November 2003

By William Horton

> William Horton Consulting



Boulder, CO 80302-5022 USA +1.303.545.6964 william@horton.com www.horton.com

LEGAL STUFF

Copyright notice

This document is copyright © 2003 by William Horton Consulting, Inc. You may NOT print dozens of copies, pass them around to your coworkers and buddies, post this document on your server, or make lots of electronic copies of it—unless you have explicitly purchased rights to do so.

"What's to stop me?" you ask. Your conscience? Ethics? The lack of sport in stealing from a two-person company? Knowledge that it only takes one disgruntled employee or angry coworker to turn you in? Your reasons are your business. Just don't do it, OK?

Limited liability notice

For lawyers:

Limited Liability With regard to the information and advice provided by William Horton Consulting in this document and other forms, William Horton Consulting shall not be liable to the reader, the reader's employer, or to anyone claiming any right by virtue of relationship to the reader, for any acts or omissions in the performance of services by William Horton Consulting or its agents or employees, except when such acts or omissions are due to their willful misconduct or culpable negligence. The reader agrees to hold William Horton Consulting free and harmless from any obligations, costs, claims, judgments, attorneys fees and attachments arising from the services rendered pursuant to this agreement, except when the same arises due to the willful misconduct or culpable negligence of William Horton Consulting as found by a court of competent judgment.

For the rest of us:

These materials and the advice we offer are general in nature. And, though we believe they provide good ideas, we don't guarantee that they are perfect or that they fit your situation exactly. There is no substitute for common sense and healthy skepticism. Only you can decide where, when, and how to apply the ideas we offer.







롣 Why evaluate e-learning?

For what reasons do you want to evaluate your e-learning?

- Justify investment
- □ Make better decisions
- □ Require accountability
- Demonstrate return on investment
- □ Improve quality
- **Encourage learning**
- Other: [Enter in chat]

Khy not evaluate e-learning?

What objections might your evaluation plan encounter?

- □ Too hard and expensive
- Results are inaccurate
- **Results are irrelevant**
- **Evaluation is political**
- Other: _____[Enter in chat]

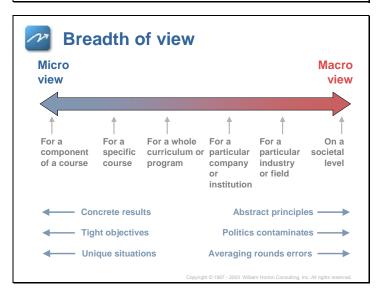
What is value of knowing value?

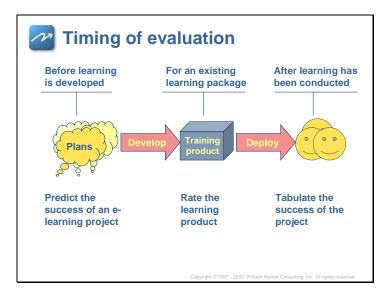
By how much would you be willing to increase the cost of a project in order to learn its value within 5% accuracy?

[Enter in chat] % added to cost of project

Perspectives of evaluation

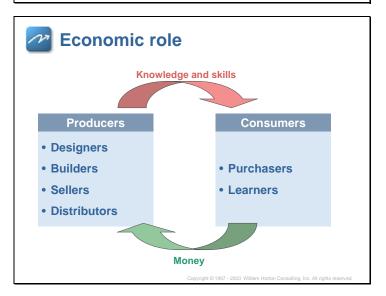
The process of evaluation depends on your interests, your role, and your viewpoint

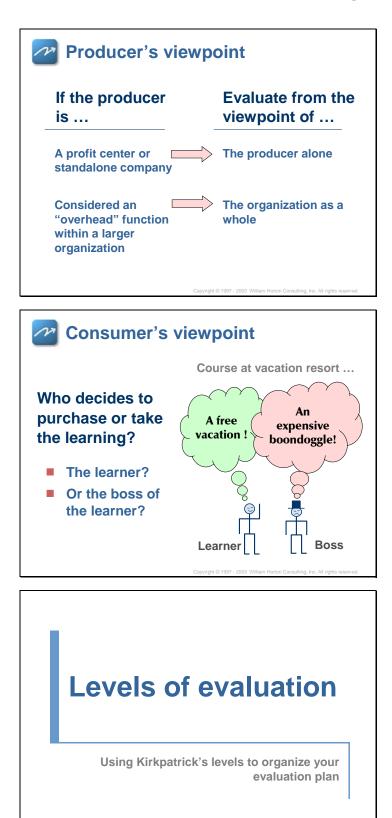




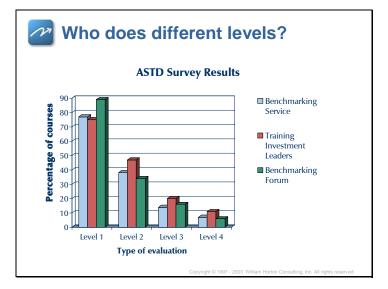
Role as producer or consumer

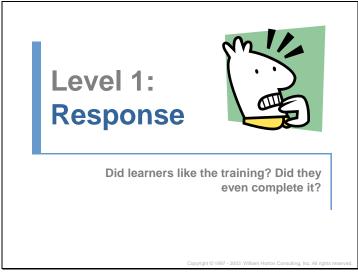
Evaluate separately for both the producer and the consumer of the learning





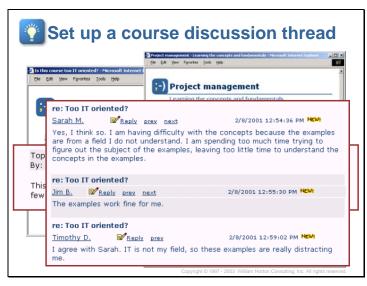
| 127 | Levels of | evaluation |
|-----|------------------|---|
| Lev | el of evaluation | What it measures |
| 4 | Results | How well did the organization meet its business goals? |
| 3 | Performance | How much is job performance improved? What can learners apply to their jobs? |
| 2 | Learning | What skills and knowledge did learners acquire? |
| 1 | Reaction | Did learners like the training? Did they complete it? |
| | | |
| | | Copyright © 1997 - 2003 William Horton Consulting, Inc. All rights reserved |

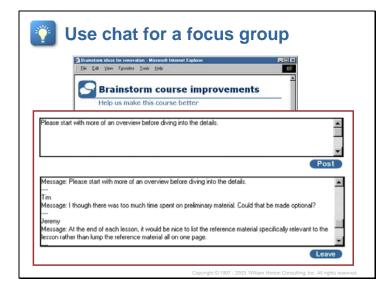






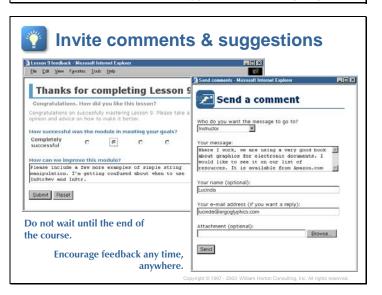
| <u>File E</u> d | n of the day - Microsoft t ⊻iew F <u>a</u> vorites <u>T</u> oc | | | | |
|-----------------|---|----------------|----------------|---------------------|---|
| | Keep this | lesson? | , | | |
| | Reep this | 1055011: | | | _ |
| uestior | : Should this lesso | n be included | in future vers | ions of this course | ? |
| Your vote | Choice | Current Voting | | | |
| | | Votes | Percent | Bar graph | |
| | | 3 | 75 | | |
| ¢ | Yes | 3 | | | |
| © 0 | Yes No | 0 | 0 | 1 | |
| | | _ | | | |

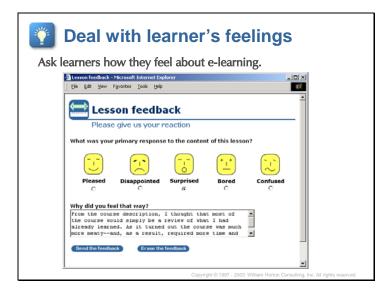


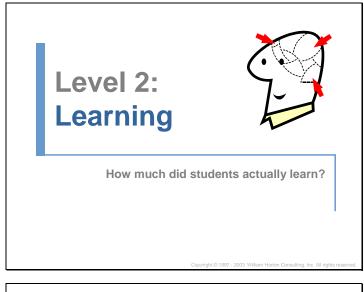


High dropout rates not always bad

- Some learners were just taste-testing elearning.
- Some thought it would be easier.
- Some quit when they got all they needed (good time management).
- Many stay in the classroom only because of social pressure.
- Dropouts provide valuable data for refining courses.





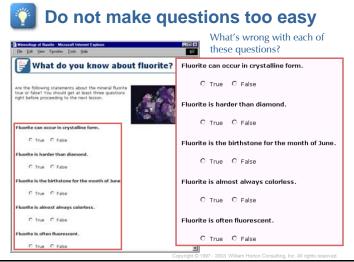


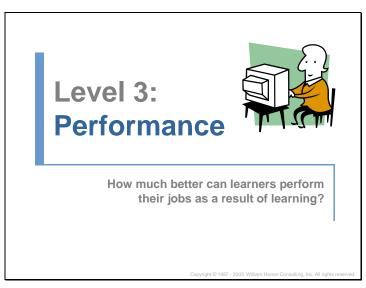
What does Level 2 tell us? When is this knowledge What does a Level 2 useful? What specific facts,

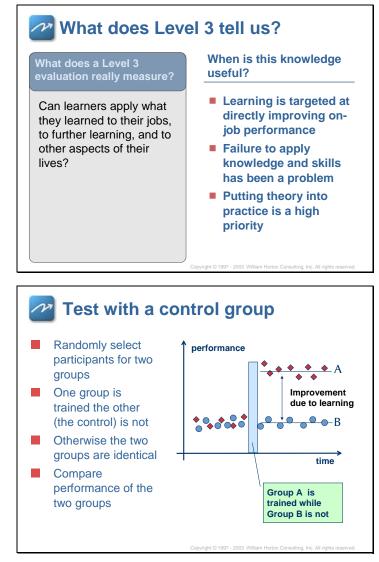
concepts, skills, attitudes, and beliefs did learners acquire?

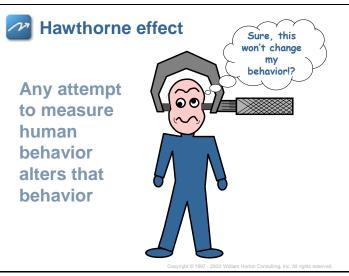
- Job performance depends on the specific content measured
- Generic skills and knowledge may be applied in many different situations
- Meaningful, yet economical, evaluation is required

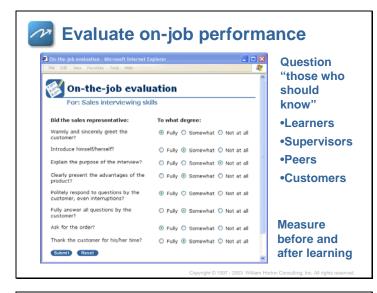






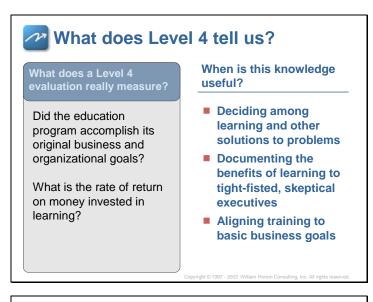










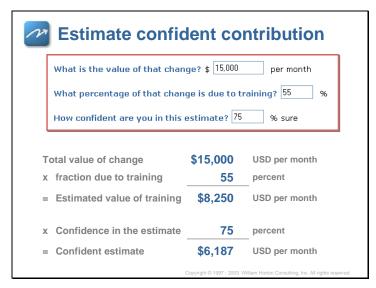


What matters to your organization?

For the top management of your company, university, or institution, what is the single most important measure of the organization's success?

[Enter in chat]

| What percentage of that change is due to training? 55 9 How confident are you in this estimate? 75 % sure results. Answer the four questions below and click Submit. What change has resulted? My sales force seeme more confident in their product knowledge and are making more cold calls. Image: State of the seeme the seeme more confident in their product seeme making more cold calls. What is the value of that change? \$ 15,000 per month what percentage of that change is due to training? | How confident are you in this estimate? 75 % sure results. Answer the four questions below and click Submit. What change has resulted? My sales force seems more confident in their product knowledge and are making more cold calls. | What is the value of that change? \$ 15,000 per month |
|--|---|--|
| results. Answer the four questions below and click Submit. What change has resulted? Hy sales force seems more confident in their product knowledge and are making more cold calls. What is the value of that change? \$ 15,000 per month | results. Answer the four questions below and click Submit. What change has resulted? By sales force seems more confident in their product knowledge and are making more cold calls. What is the value of that change? \$ 15,000 per month What percentage of that change is due to training? 55 % How confident are you in this estimate? 75 % sure | What percentage of that change is due to training? 55 |
| What change has resulted? Ny sales force seems more confident in their product knowledge and are making more cold calls. | What change has resulted? Hy sales force seems more confident in their product knowledge and are making more cold calls. What is the value of that change? \$ 15,000 per month What percentage of that change is due to training? 55 % How confident are you in this estimate? 75 % sure | How confident are you in this estimate? 75 % sure |
| Hy sales force seems more confident in their product the knowledge and are making more cold calls. | Hy sales force seems more confident in their product knowledge and are making more cold calls. What is the value of that change? \$ 15.000 per month What percentage of that change is due to training? 55 % How confident are you in this estimate? 75 % sure | results. Answer the four questions below and click Submit. |
| knowledge and are making more cold calls. | knowledge and are making more cold calls. | |
| | What percentage of that change is due to training? 55 % How confident are you in this estimate? 75 % sure | |
| What percentage of that change is due to training? 55 % | How confident are you in this estimate? 75 % sure | What is the value of that change? \$ 15,000 per month |
| | | What percentage of that change is due to training? 55 % |
| How confident are you in this estimate? 75 % sure | | How confident are you in this estimate? 75 % sure |



Monitor business metrics

Customers Financial Accounts, clients, Profit sponsors Cash flow Market share Margin Operations Stock price Venture capital Time to market Cost per unit Intellectual capital Reputation Education level of staff Professional experience of Industry awards staff Rankings and ratings Rates of attracting and Community-service retaining talent awards Patents and inventions

