

APRIL 10, 2015

COG1 + RENAISSANCE LEARNING

RLI EFFICACY RATING CONSIDERATIONS

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Overview

What follows is initial considerations for the display of the RLI Efficacy Rating.

RLI EFFICACY RATING

RLI Efficacy Overview

An RLI Efficacy Rating explains what Renaissance Learning's data says about the ability of an item to drive student mastery for a skill(s) in play. This is valuable to show because it explains how Renaissance is uniquely positioned to give the best resource recommendations based on all of the data they have.

Consider the following examples:

SCENARIO 1

- Student tests, doesn't know skill A
- Teacher teaches resource 1
- Student tests, knows skill A
- Efficacy value of resource 1 related to skill A increases

SCENARIO 2

- Student tests, doesn't know skill A
- Teacher teaches resource 2
- Student tests, still doesn't know skill A
- Efficacy value of resource 2 related to skill A decreases

For the Search Control context

Design a way to show the RLI Efficacy Rating in the search results card in order to explain the ability of the resource to achieve mastery of the selected skills.

FROM MARK ANGEL

“Efficacy will probably be measured in terms of three possible dimensions: the goodness of the resource in teaching to each of the Skills in play (usually 1 to 4 skills are resident in the lesson plan), the overall efficacy in driving learning velocity and potentially the efficacy of a Resource in whole class vs. intervention situations.”

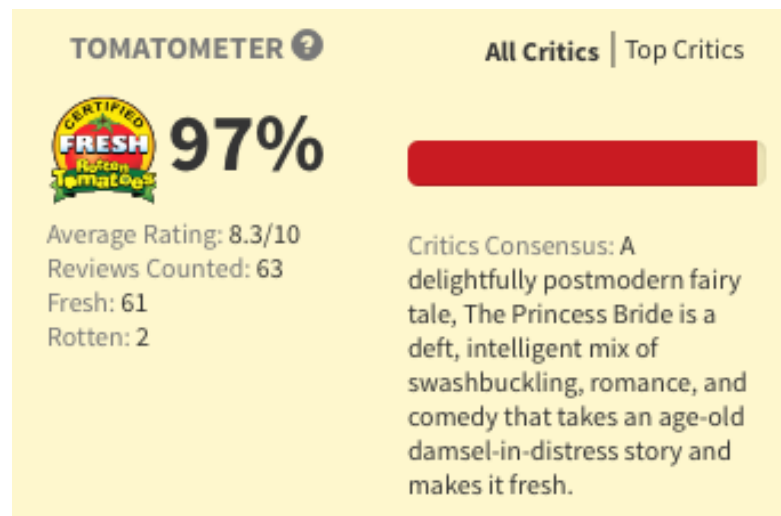
RLI EFFICACY DIMENSIONS OF MEASUREMENT

- RLI Goodness
- Learning Velocity
- Whole: Intervention

How can we best visually display efficacy

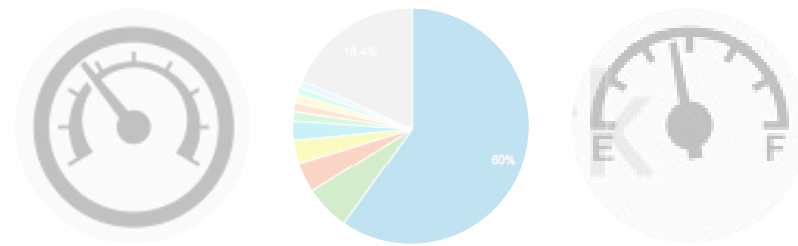
Efficacy is defined as, the power to produce a desired result or effect. When considering how to best visually represent efficacy we can examine the following.

BARS/METERS



Best to represent an aggregate value where measurement of value varies but all have a relative similarities.

DIALS/PIES



Best to represent a value that might increase relative to time or a segment of several values as they relate to a whole.

AFFINITY/UP OR DOWN VOTE



Best to represent a value that is based on a single dimension.

NOTES

- 1. Multi - dimensional Meter
Ticks represent different values on the bar.

RLI Efficacy Rating displayed as a Multi-dimensional Meter

Consider the example below, where ticks represent different values. Each value is based on an aggregate of data that relates to the efficacy of the resource.

Multi-dimensional Meter

Teacher Activity

Recognizing and Analyzing Propaganda Lorem Ipsum Dorles [...]

[View as teacher](#) | [View as student](#)

User Reputation Rating: ★★★★★

RLI Efficacy Rating:

Dimension	Value
RLI Goodness	90
Learning Velocity	72
Whole: Intervention	82

■ RLI Goodness ■ Learning Velocity ■ Whole: Intervention

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[Standards & Skills](#)

Content Type: PDF
Provider: Cram
03/04/1996
Lexile Level: 2.8
RLI Point Value: 0.5

ADD TO LIST

1

NOTES


RLI Efficacy Rating displayed as a Triple Bar

Consider the example below, individual values are represented across three bars.

1. Triple Bar

Values fill in the bars, with each bar representing an individual value.

Triple Bar



**Teacher
Activity**

**Recognizing and Analyzing
Propaganda Lorem Ipsum Dorles [...]**

[View as teacher](#) | [View as student](#)

User Reputation Rating: ★★★★★

RLI Efficacy Rating:

<div style="width: 90%; height: 15px; background-color: #e67e22;"></div>	90%	RLI Goodness
<div style="width: 50%; height: 15px; background-color: #9b59b6;"></div>	50%	Learning Velocity
<div style="width: 70%; height: 15px; background-color: #2ecc71;"></div>	70%	Whole: Intervention

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Content Type: PDF
Provider: Cram

Standards & Skills

03/04/1996
Lexile Level: 2.8
RLI Point Value: 0.5

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NOTES

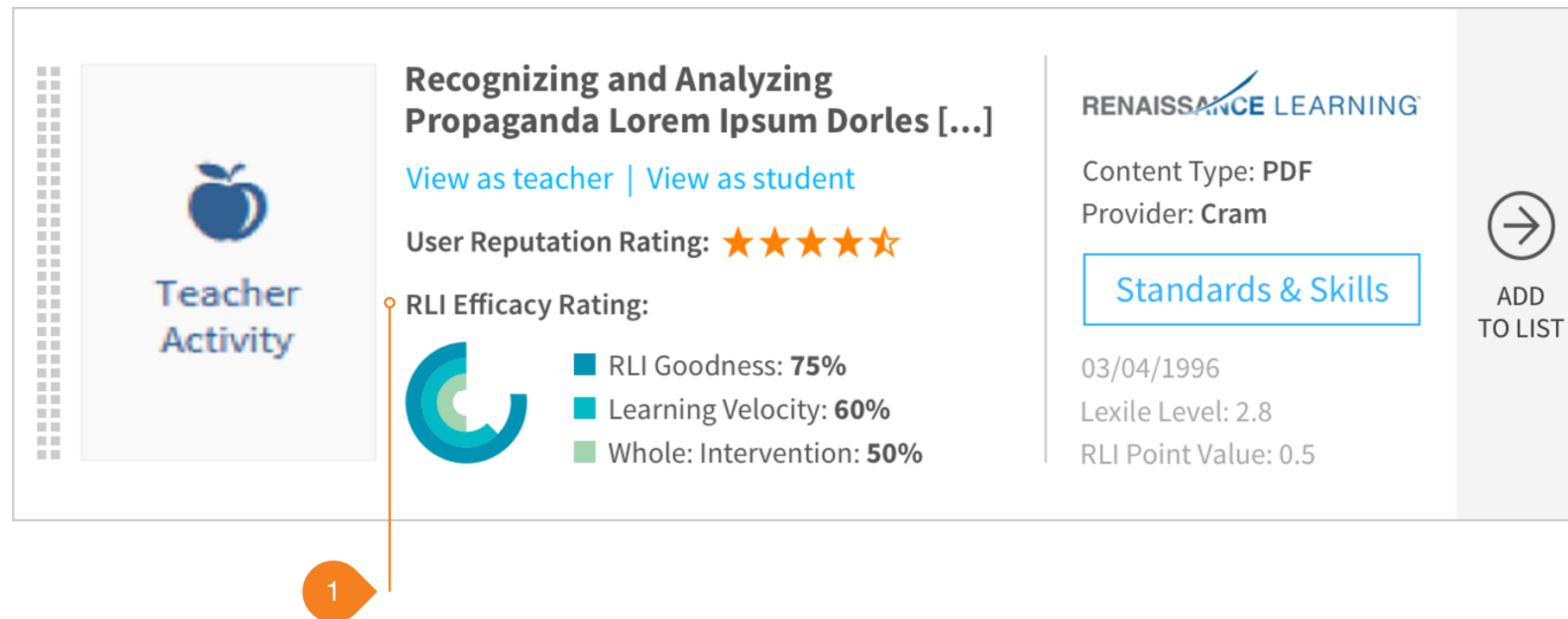
RLI Efficacy Rating displayed as a Circular Chart

Consider the example below, where values are expressed within in a circular chart. Each value is based on an aggregate of data that relates to the efficacy of the resource.

1. Circular Chart

Values fill in the circular chart, with each circle representing an individual value.

Circular Chart



NOTES

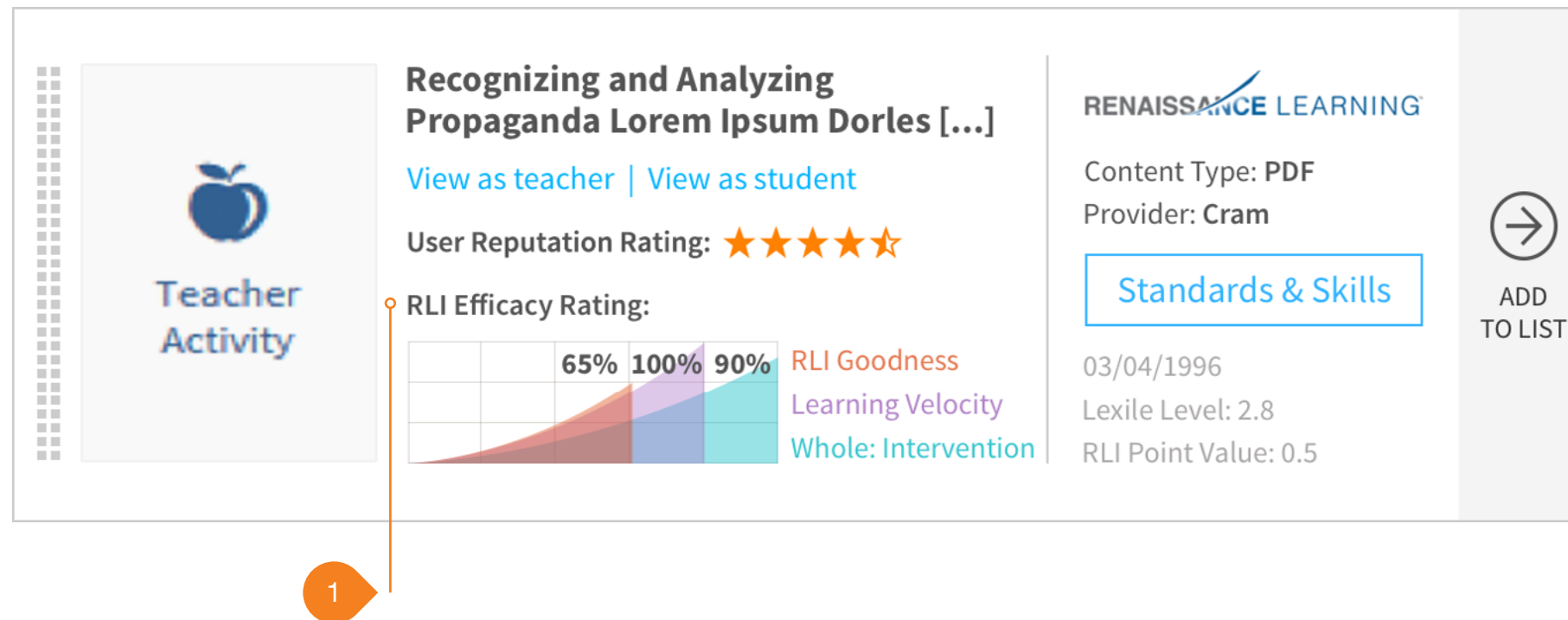
RLI Efficacy Rating displayed as a Ramp

Consider the example below, where values are expressed as a ramp. Each value is based on an aggregate of data that relates to the efficacy of the resource.

1. Ramp

Values measure from bottom to top of the chart.

Ramp



THANK YOU



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