# SAMR, In Practice

Ruben R. Puentedura, Ph.D.

Tech allows for the creation of new tasks, previously inconceivable

## Modification

Tech allows for significant task redesign

## Augmentation

Tech acts as a direct tool substitute, with functional improvement

## Substitution

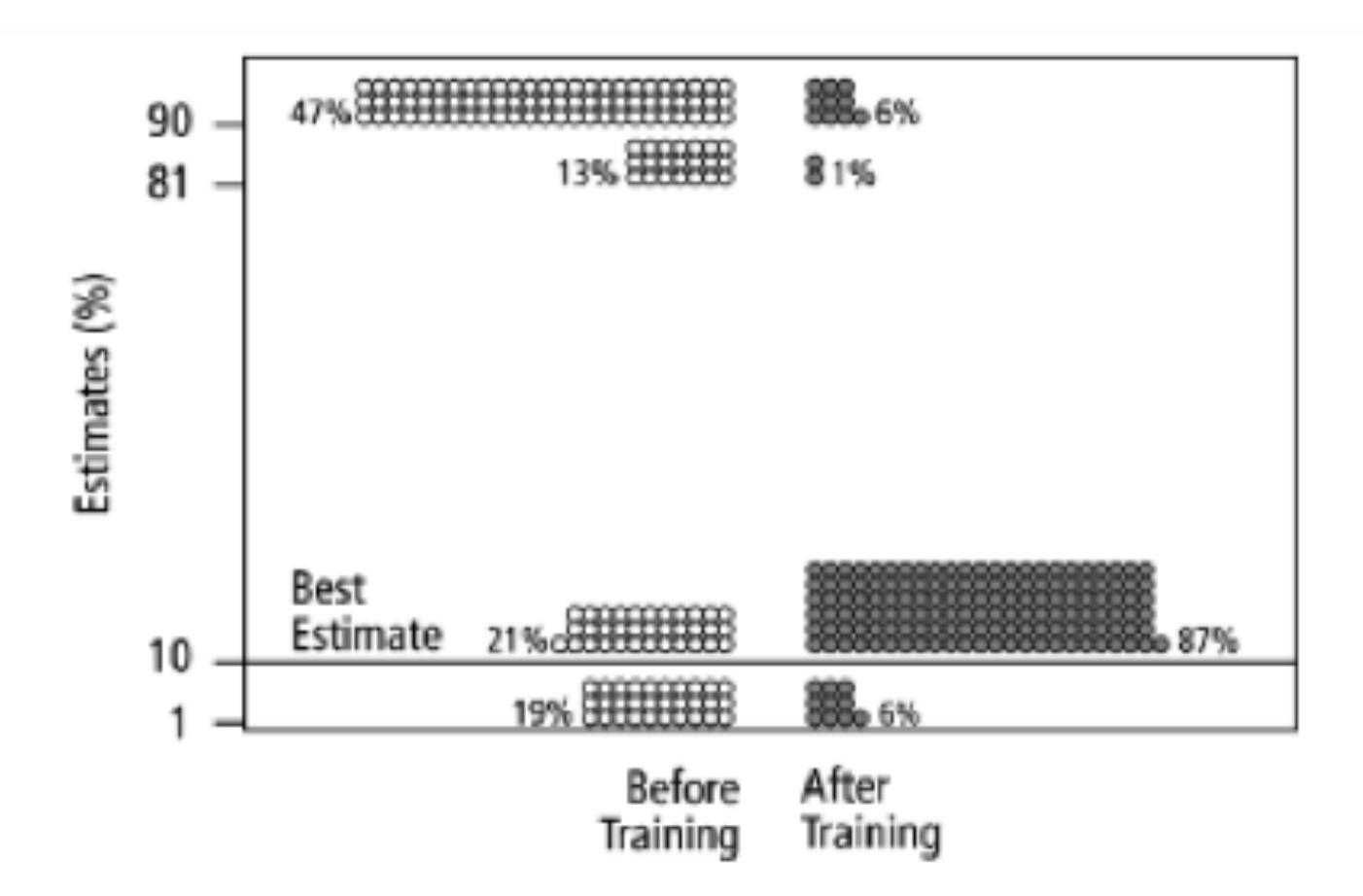


Fig. 2. Estimates by 160 gynecologists of the probability that a woman has breast cancer given a positive mammogram, before and after receiving training in how to translate conditional probabilities into natural frequencies.

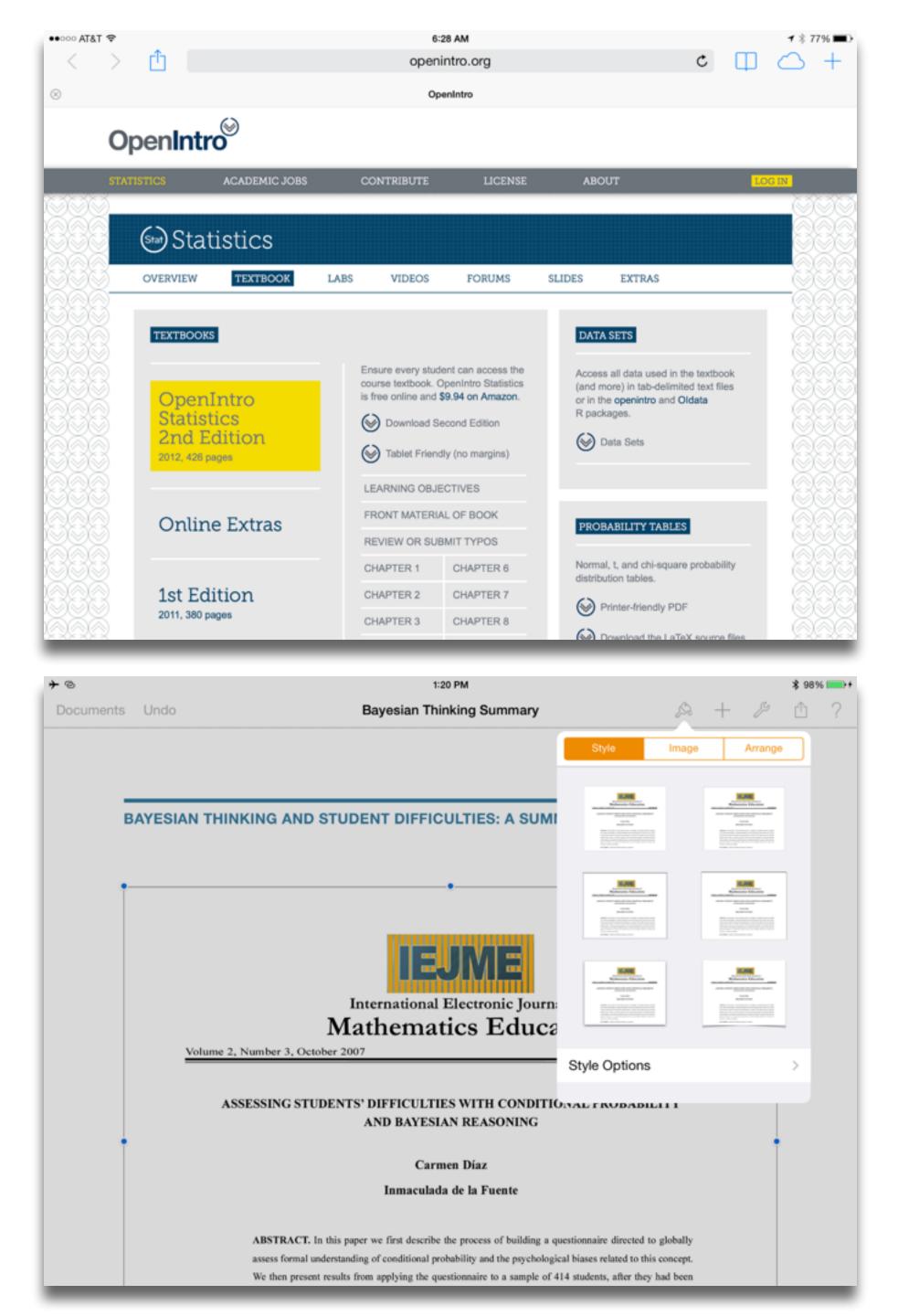
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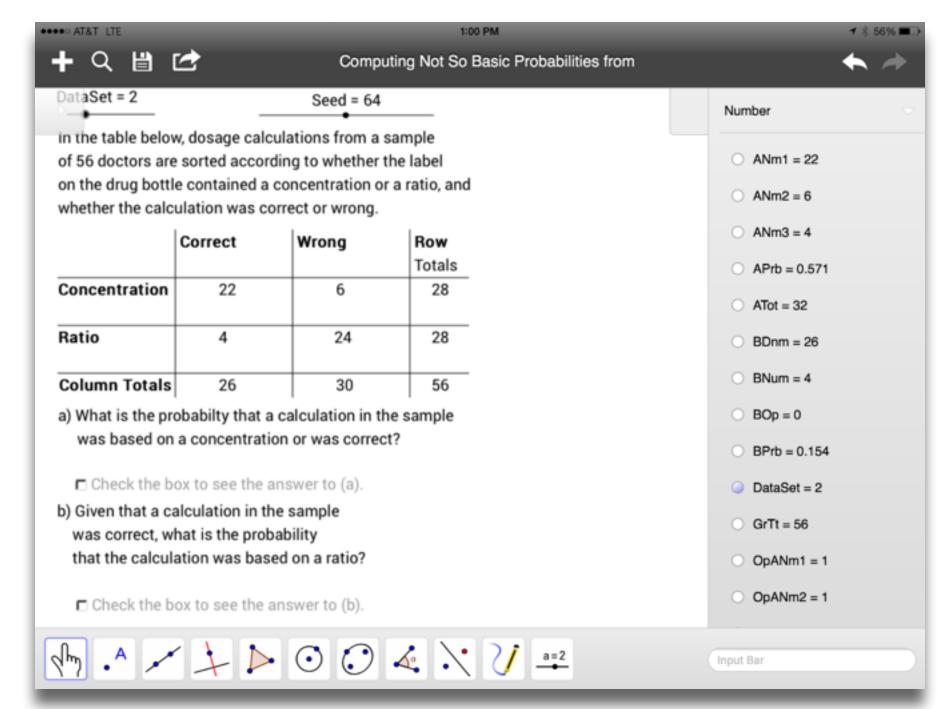
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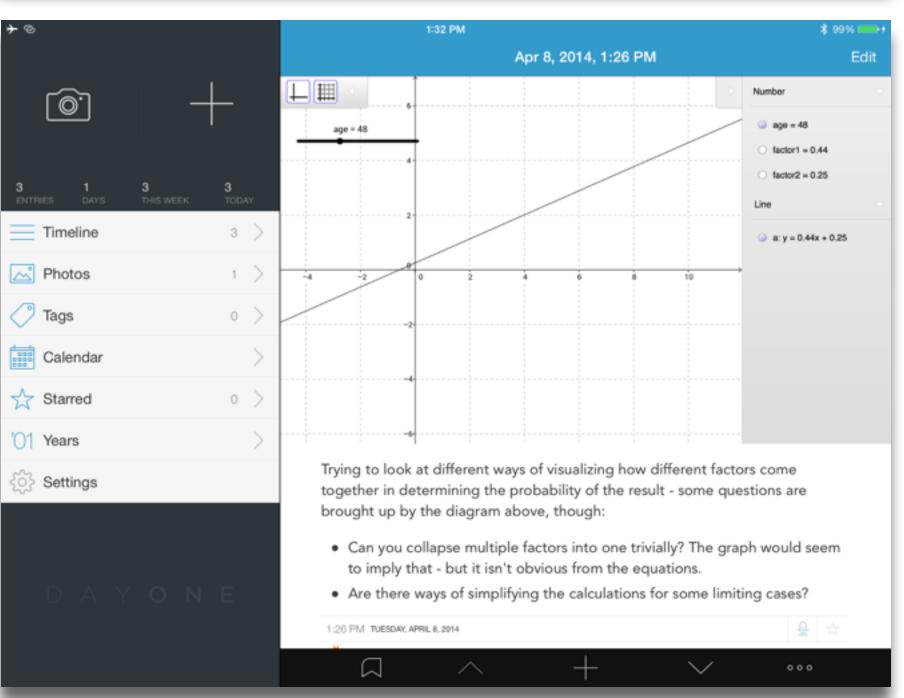
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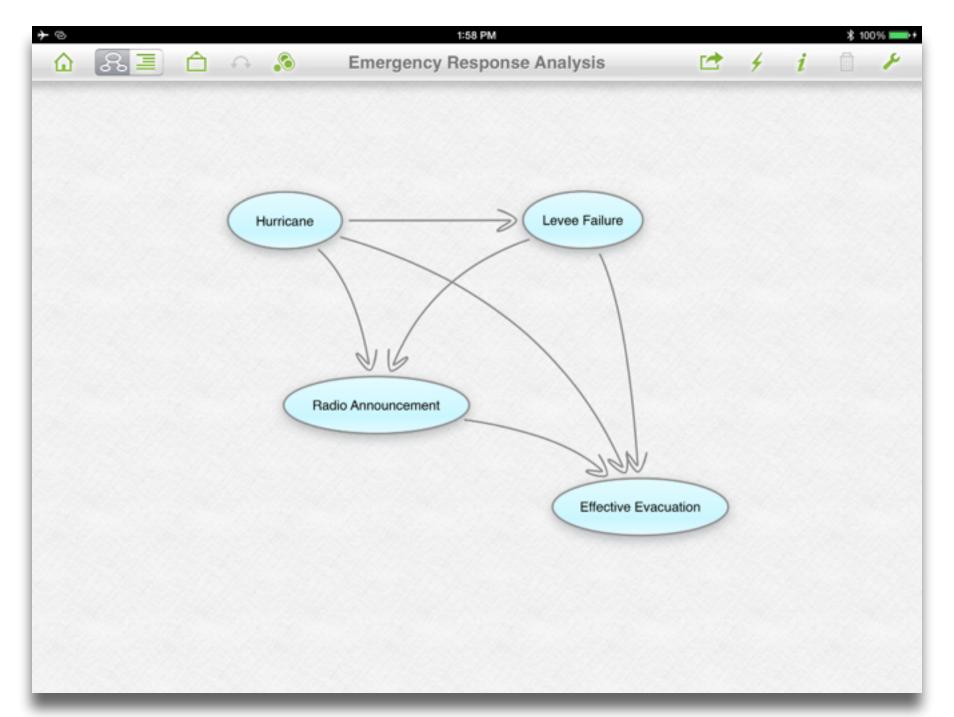
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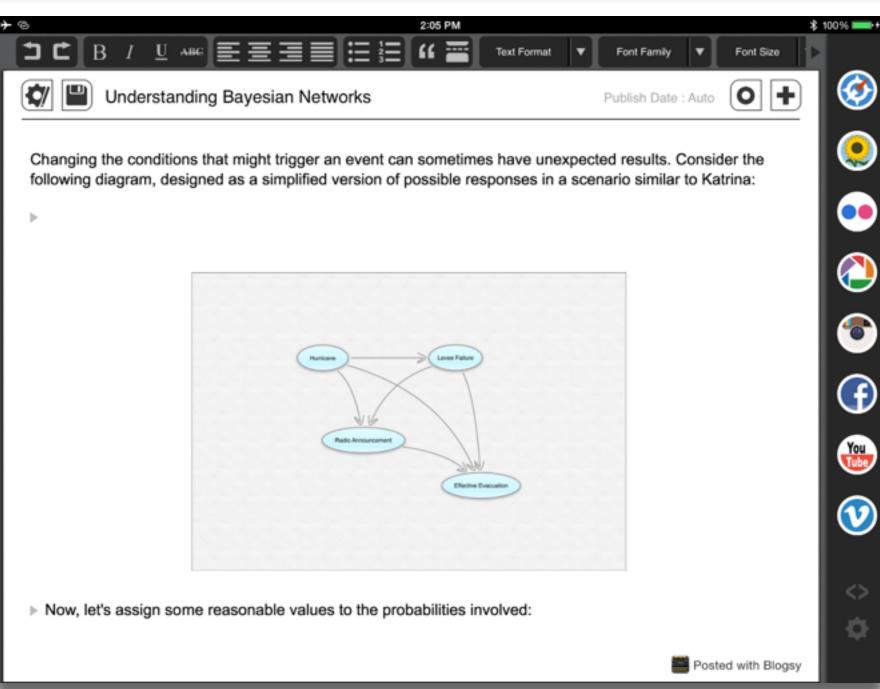
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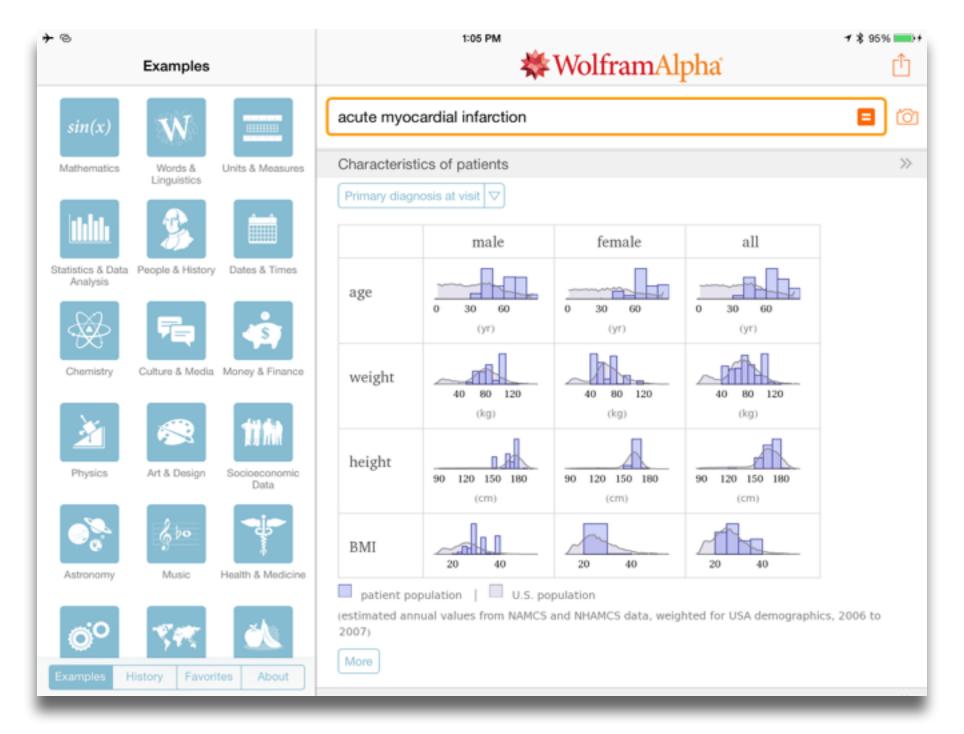
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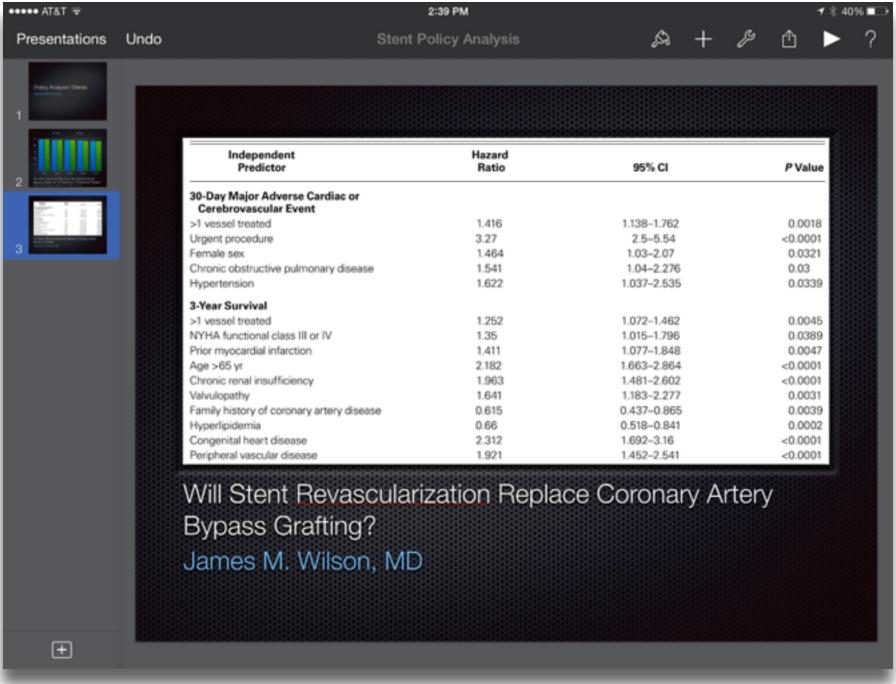
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searching, browsing, accessing, collecting

Discovering

categorizing, providing commentary, analyzing

find differences, similarities and create meaning from them

Annotating

Comparing

linking, referencing

Referring

Scholarly Primitives

selecting according to a criterion, showing relationships of items selected to the original set

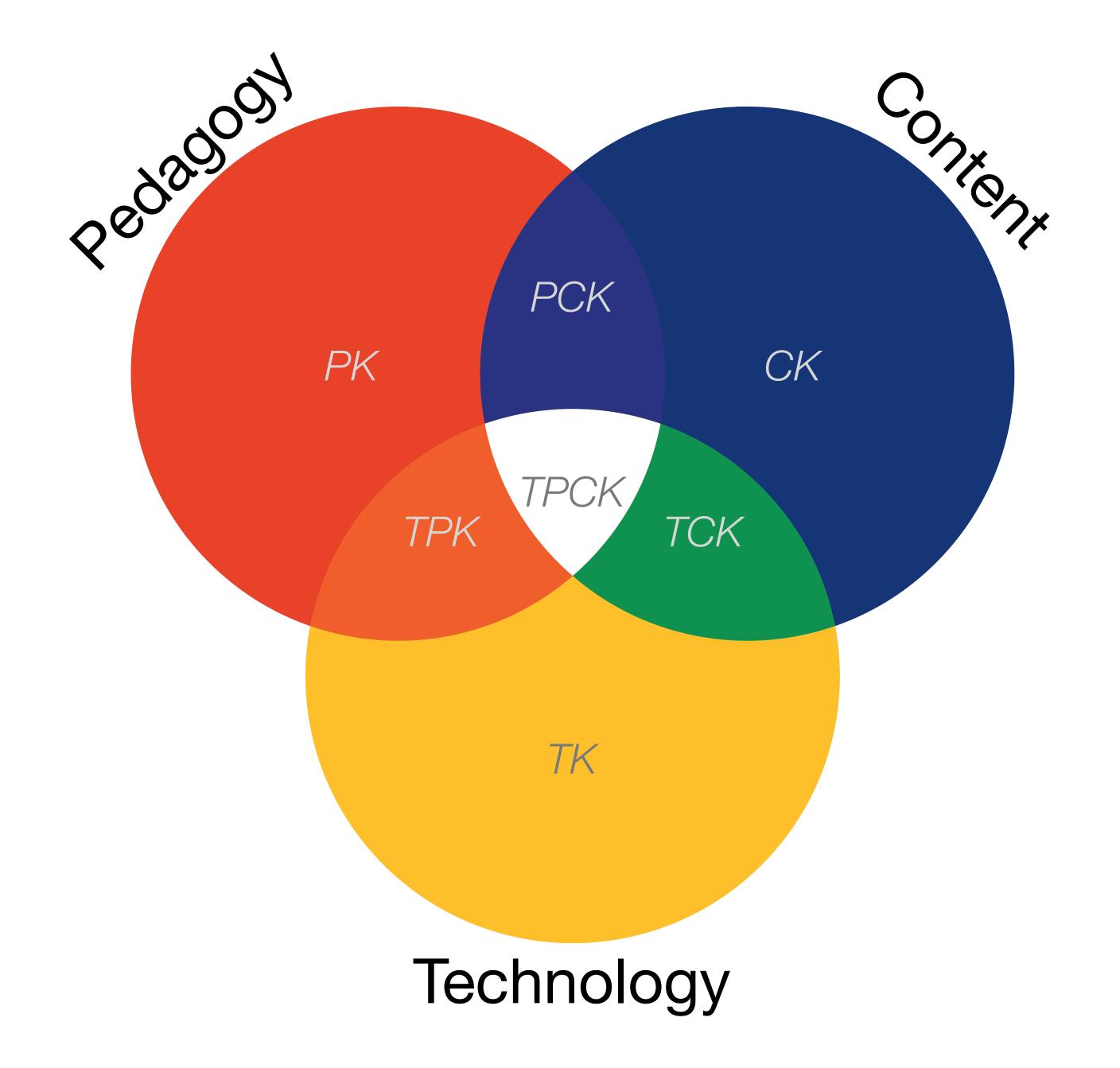
Sampling

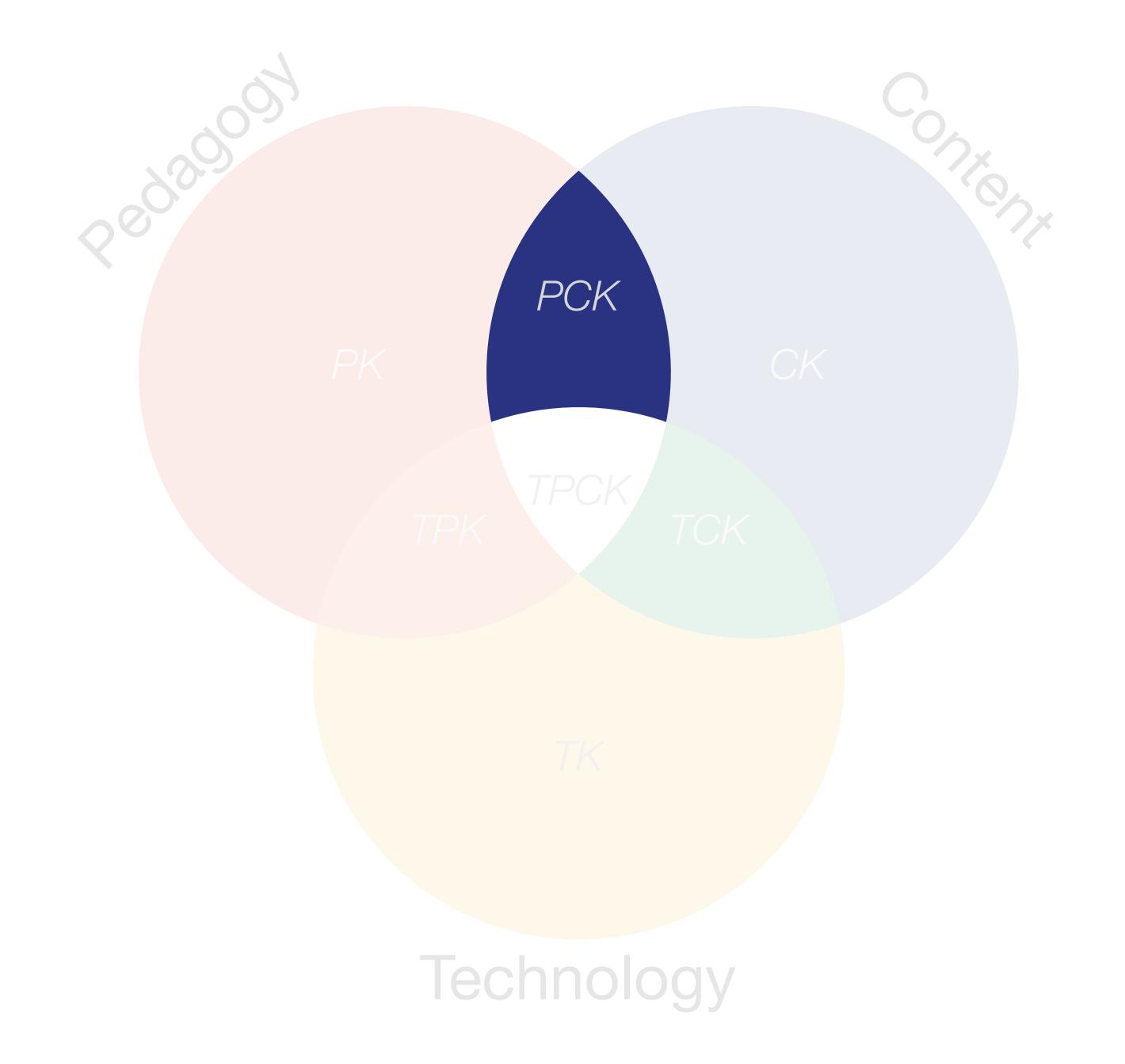
Illustrating

showing an example, highlighting features within an example

Representing

changing depiction mode, publishing







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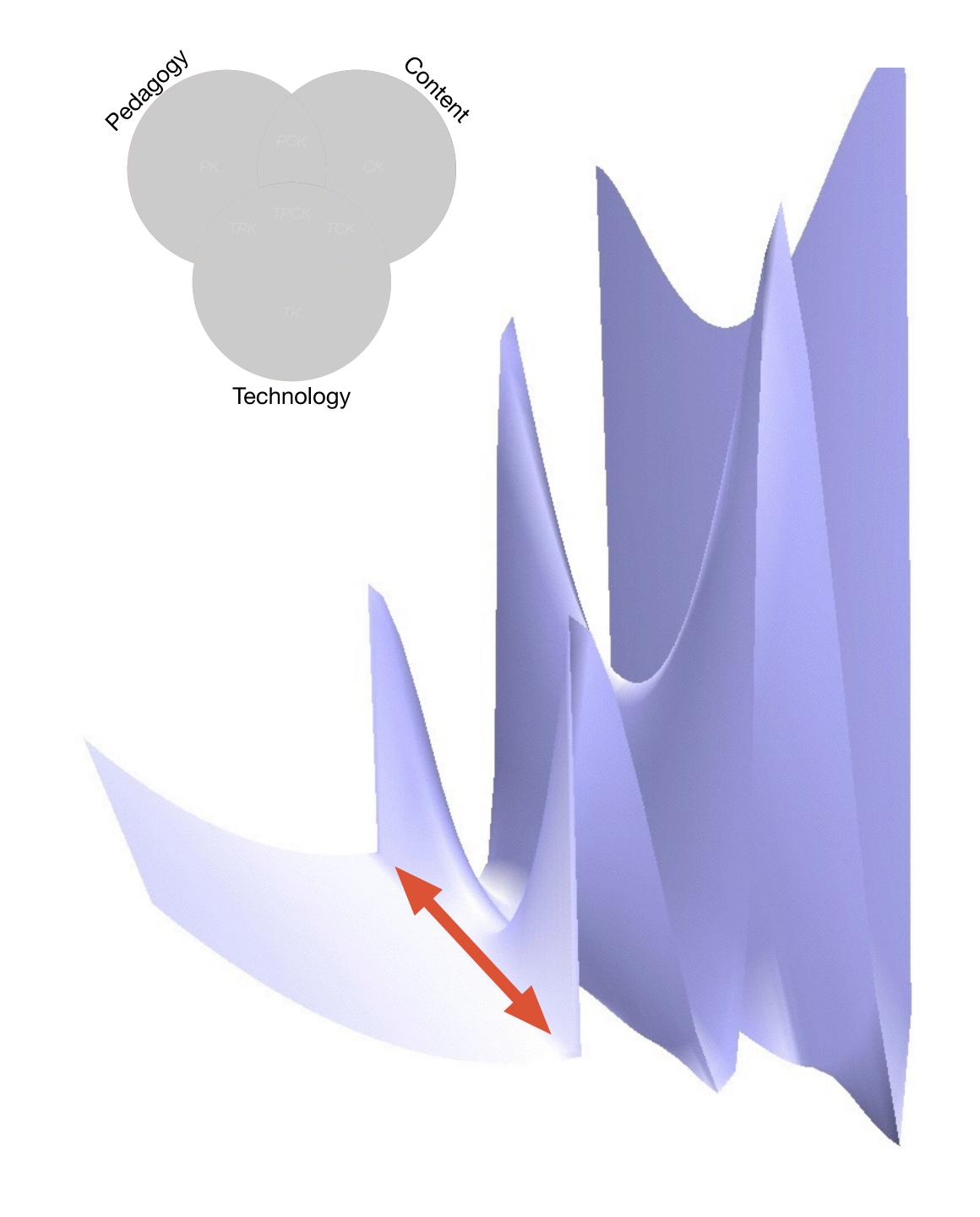
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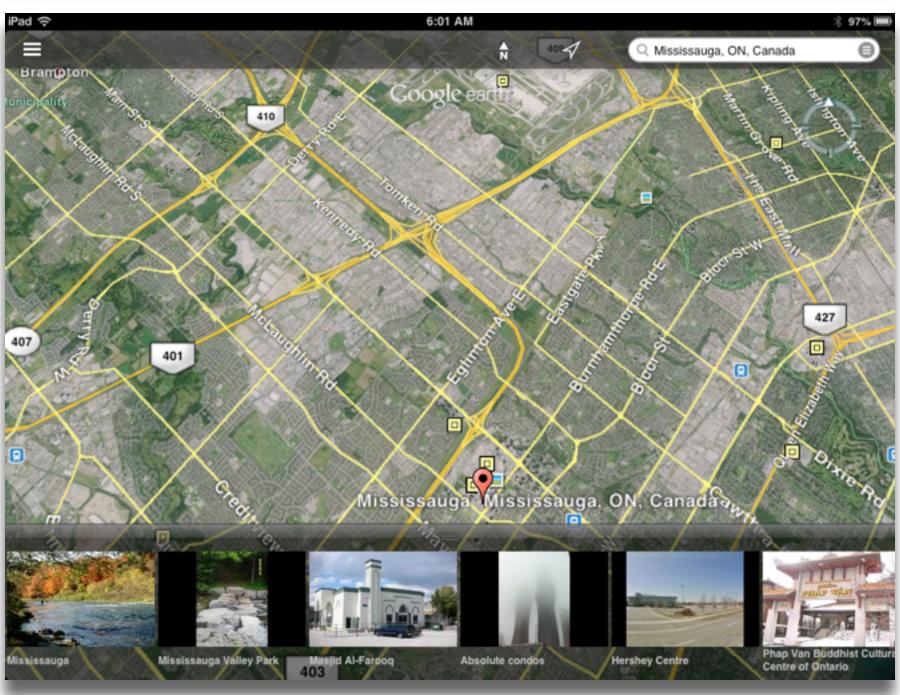
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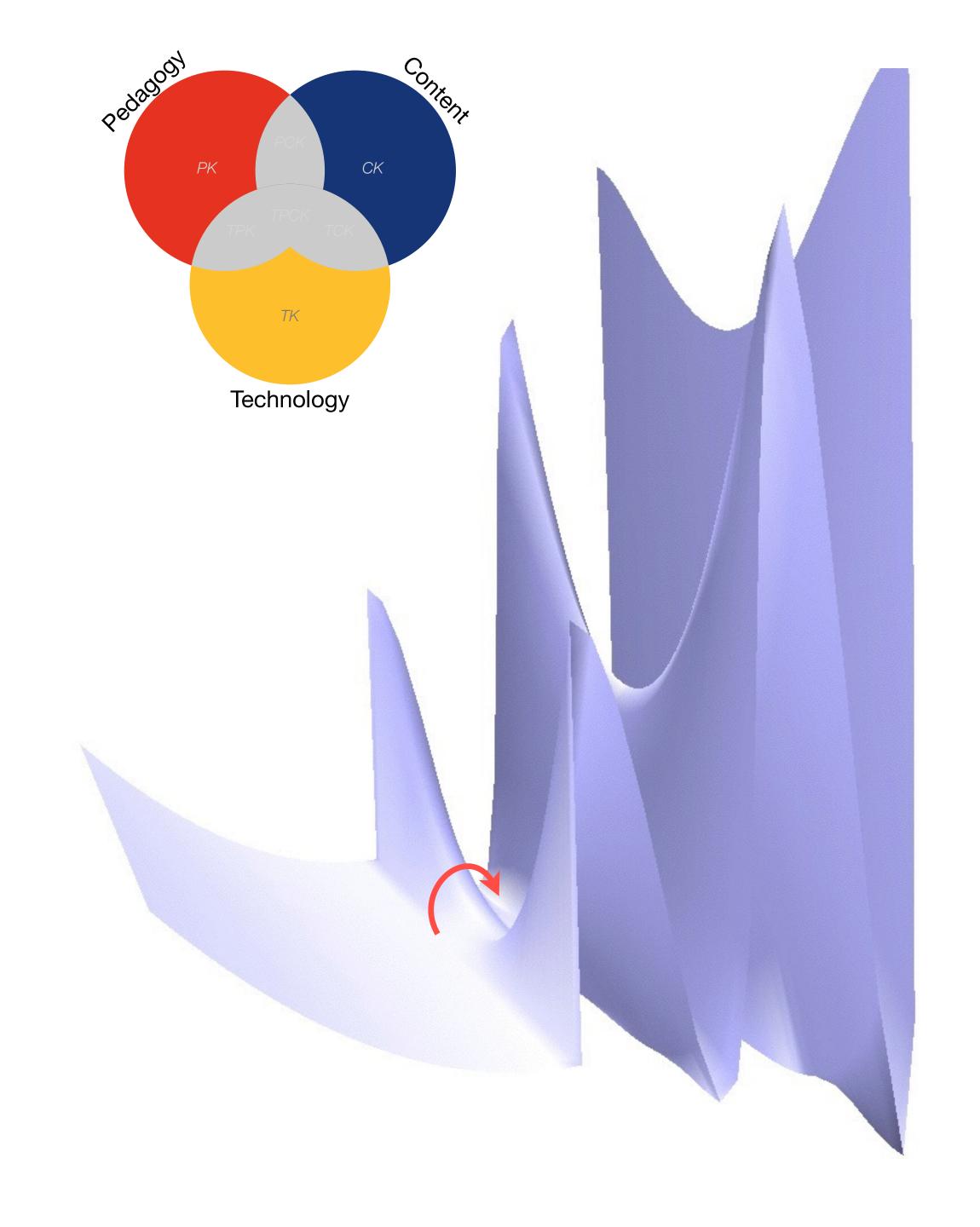
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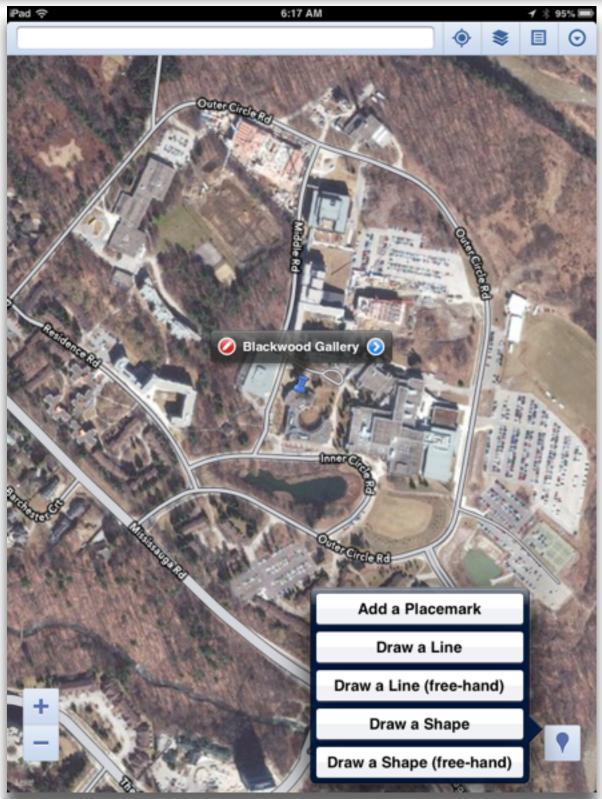
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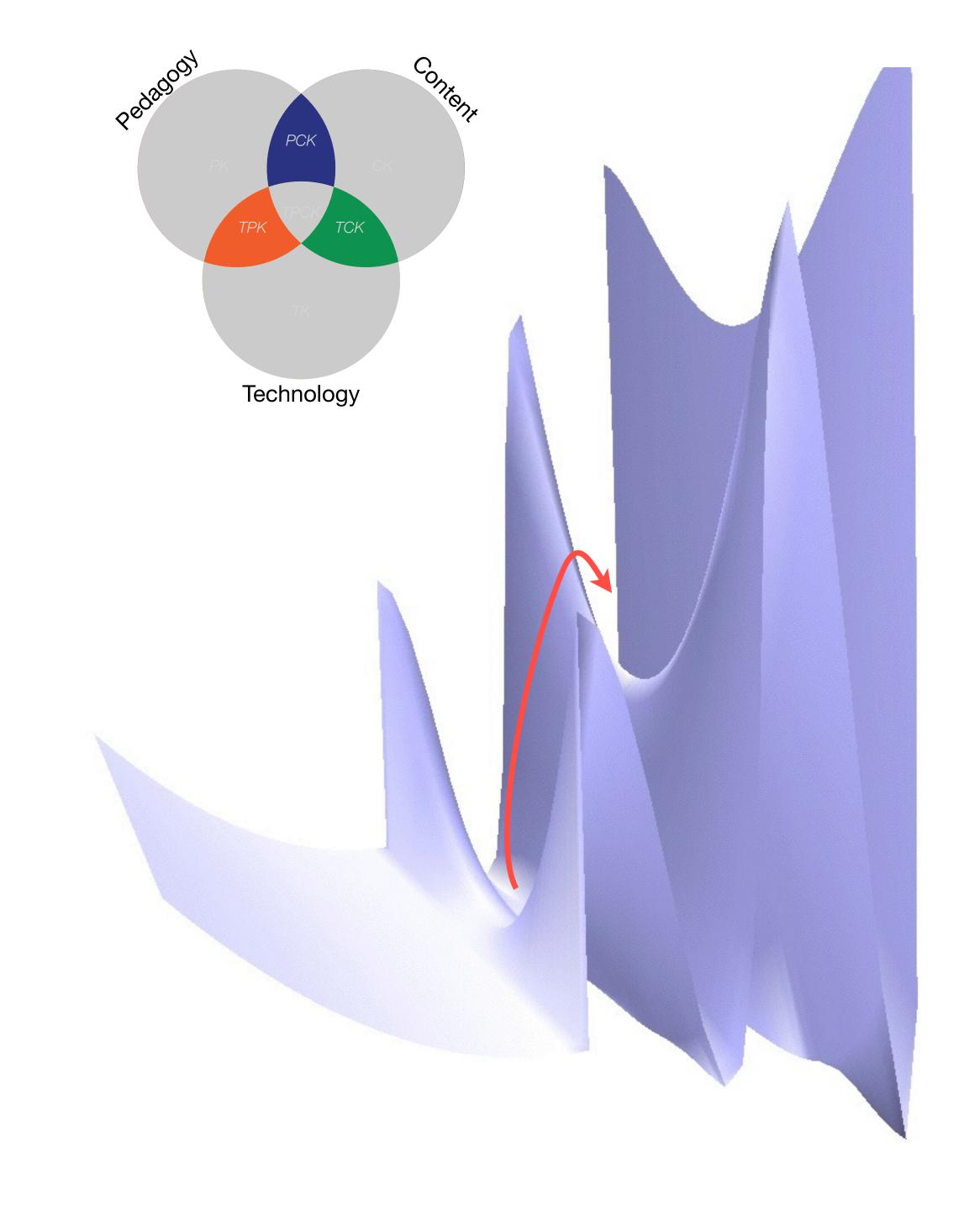
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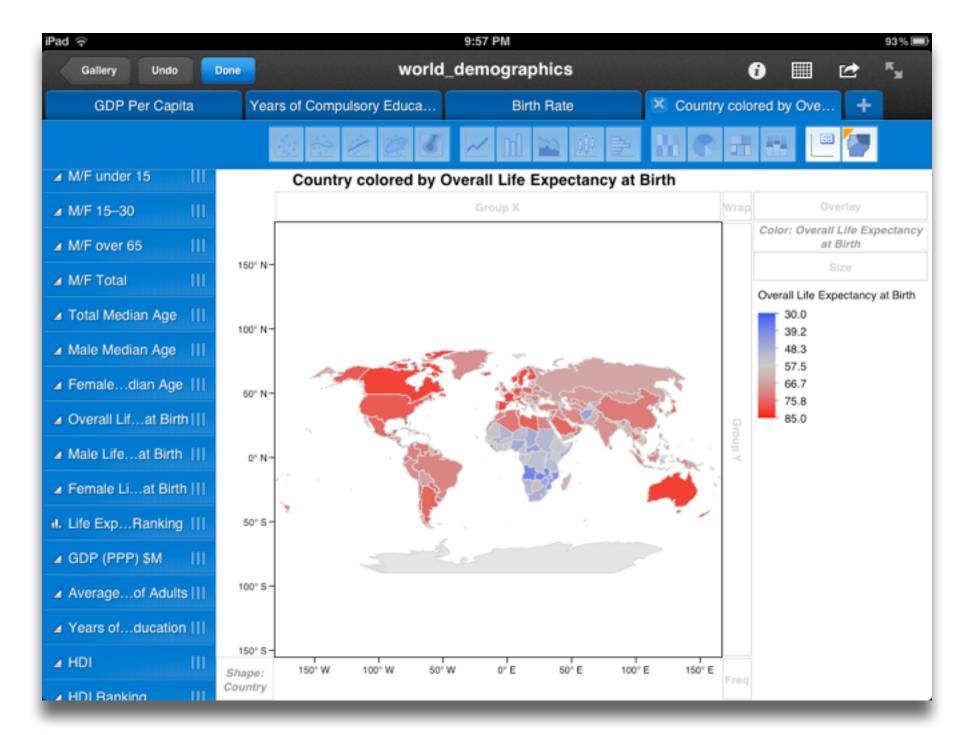
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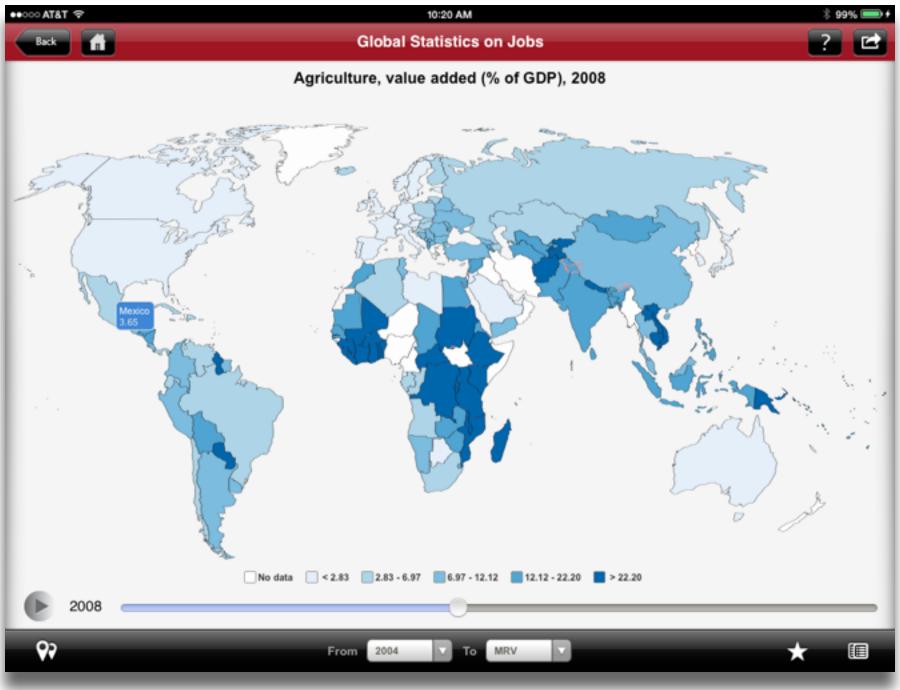
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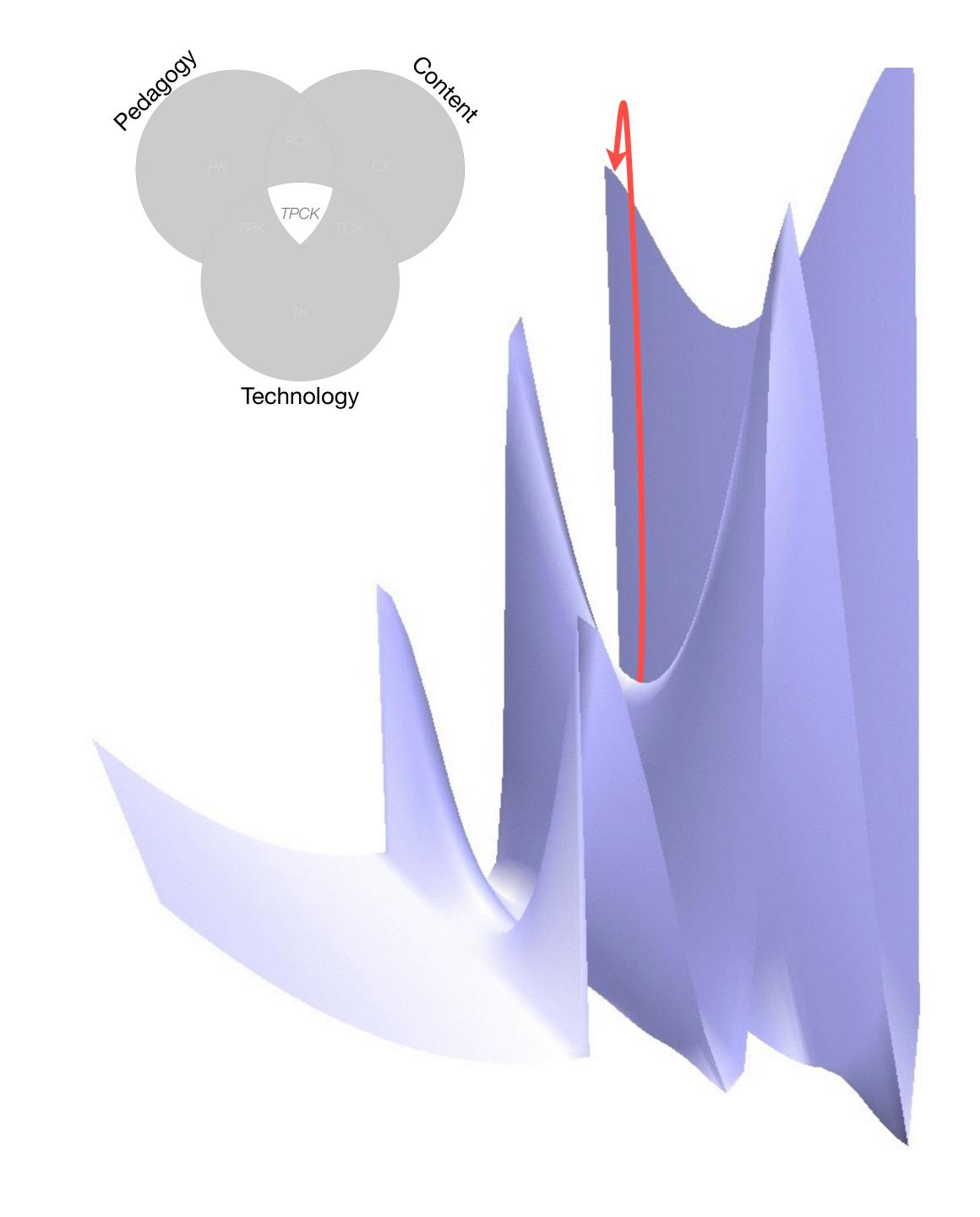
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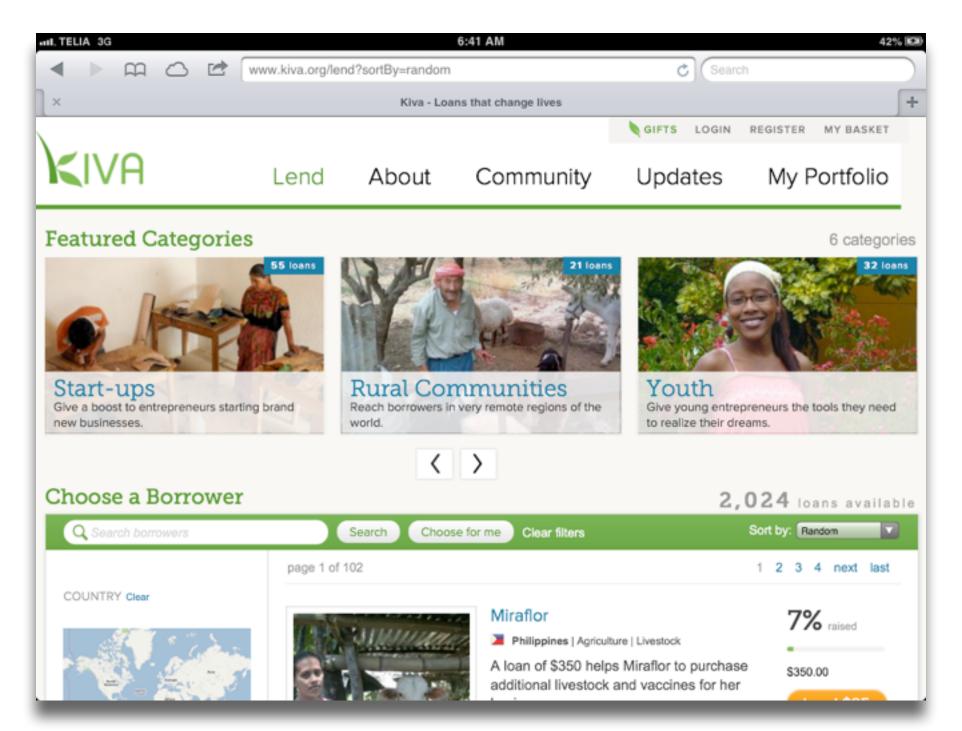
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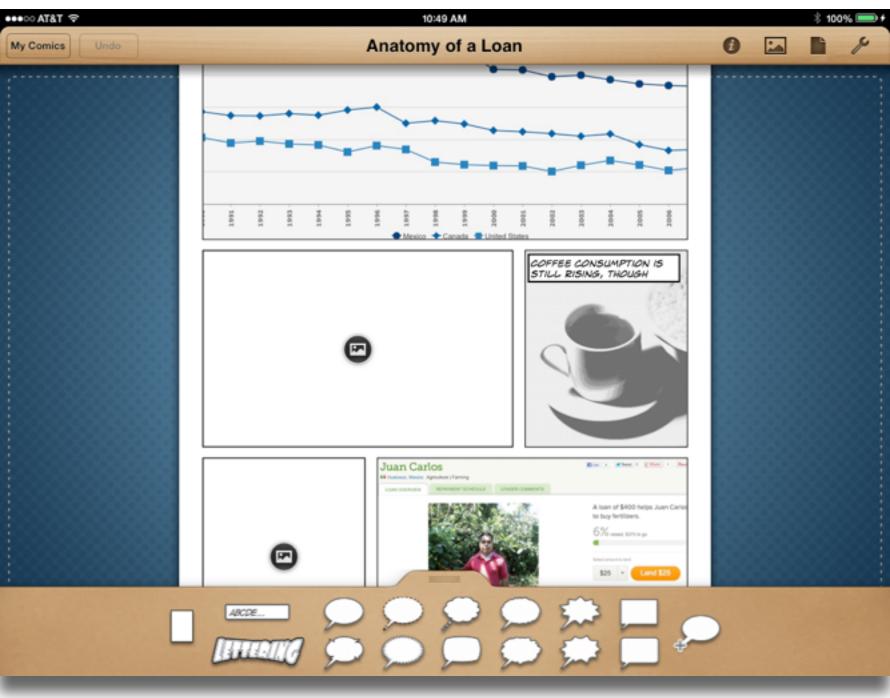
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# Choosing the First SAMR Ladder Project: Three Options

#### Your Passion:

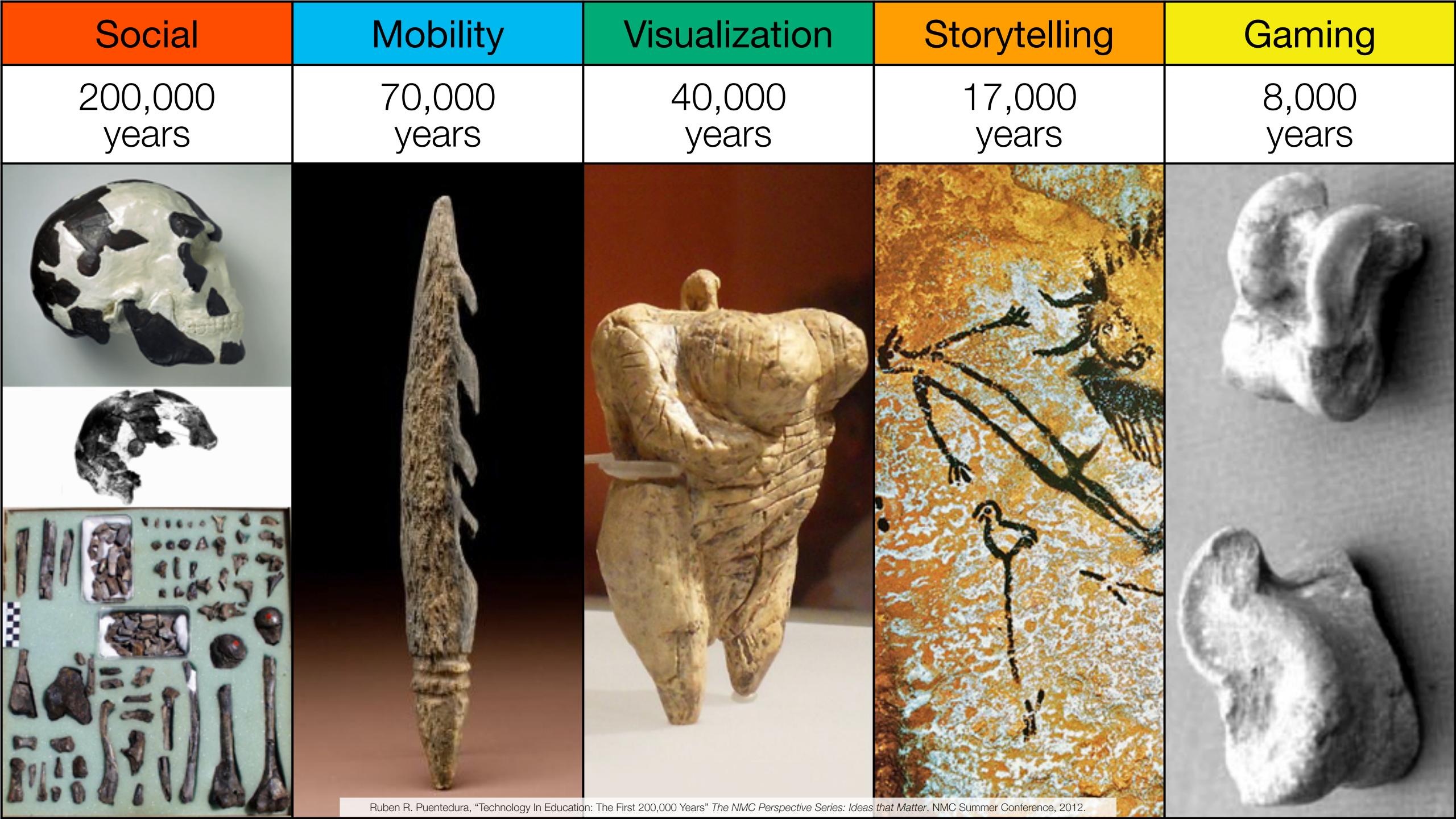
• If you had to pick one topic from your class that best exemplifies why you became fascinated with the subject you teach, what would it be?

## Barriers to Your Students' Progress:

• Is there a topic in your class that a significant number of students get stuck on, and fail to progress beyond?

#### What Students Will Do In the Future:

• Which topic from your class would, if deeply understood, best serve the interests of your students in future studies or in their lives outside school?



Social	Mobility	Visualization	Storytelling	Gaming
200,000 years	70,000 years	40,000 years	17,000 years	8,000 years

Bookmarks





RSS Feeds

Discussions





Microblogging

Blogging





Wikis

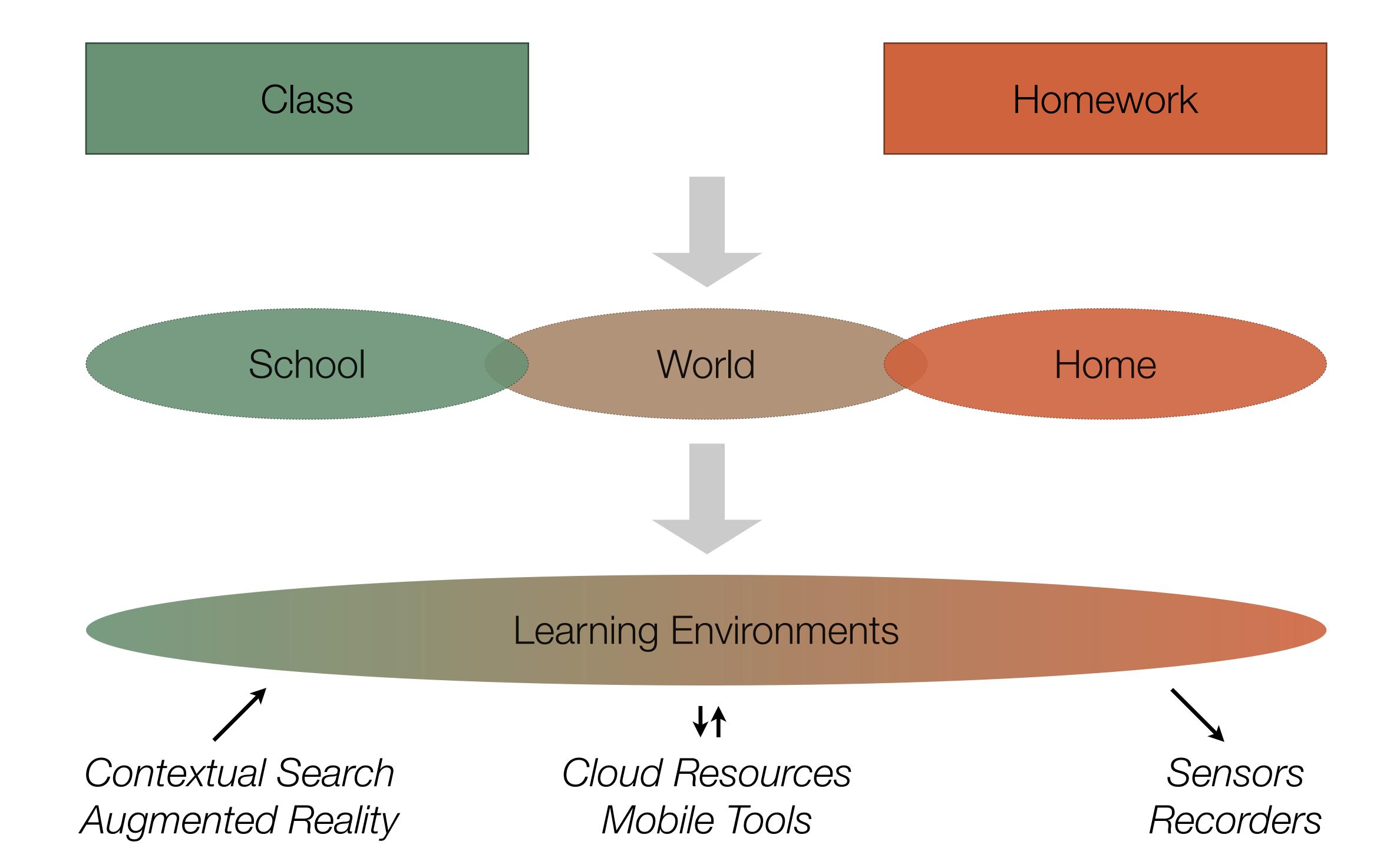
Telepresence





File Sharing

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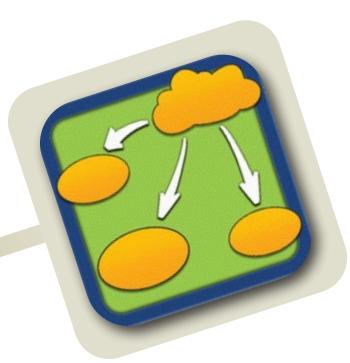
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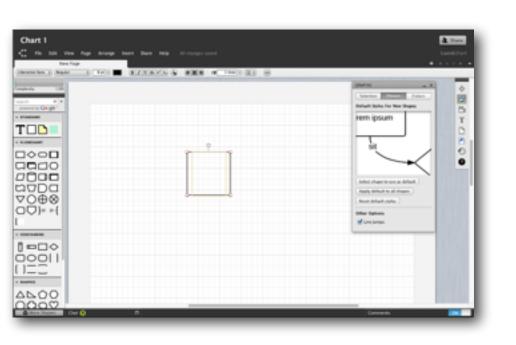








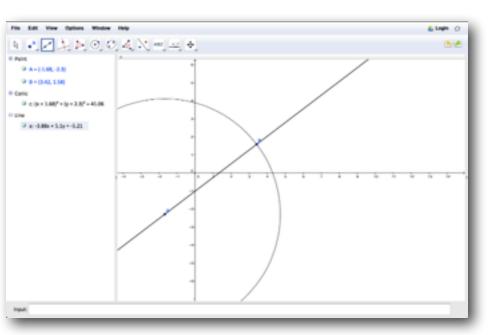




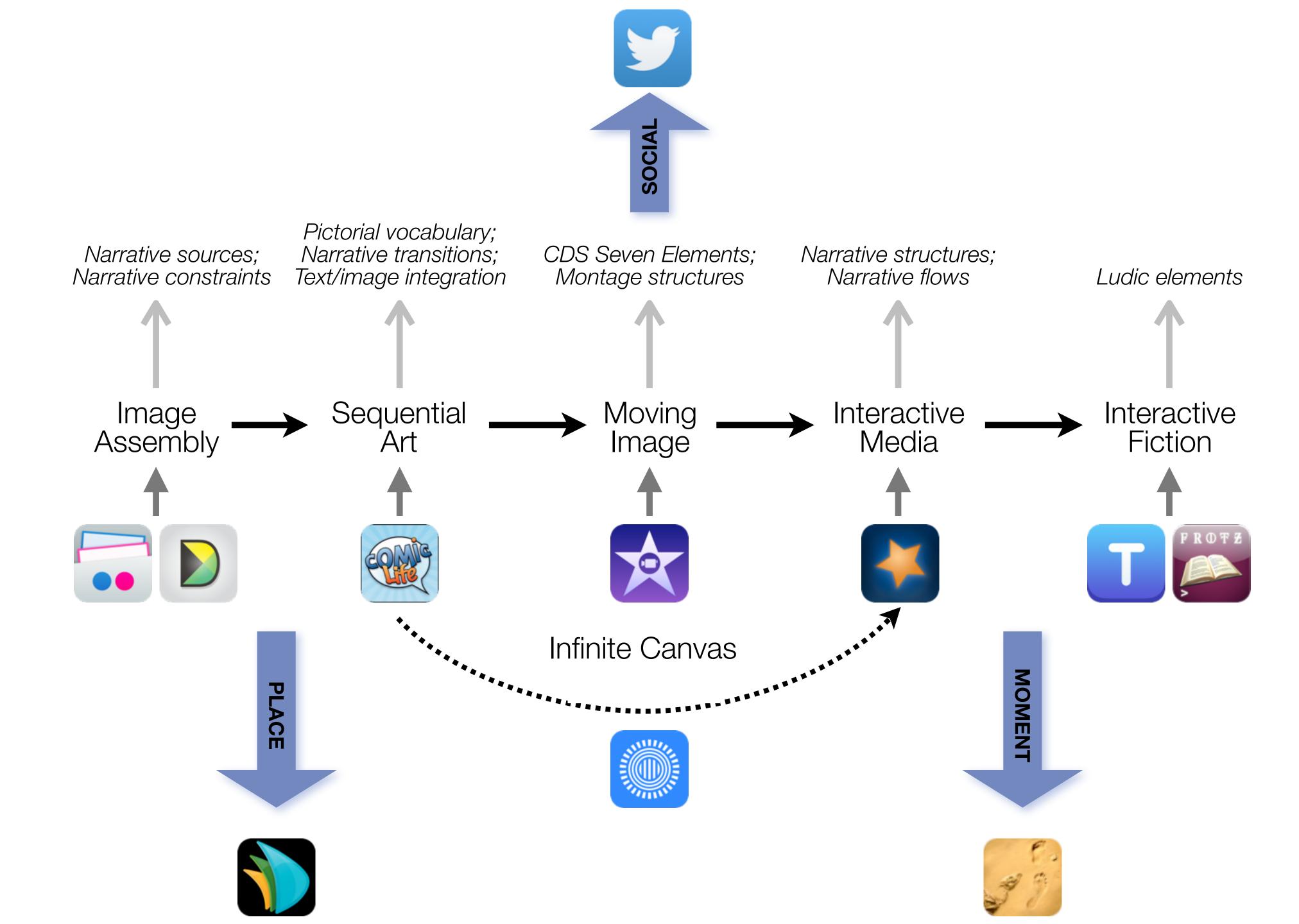








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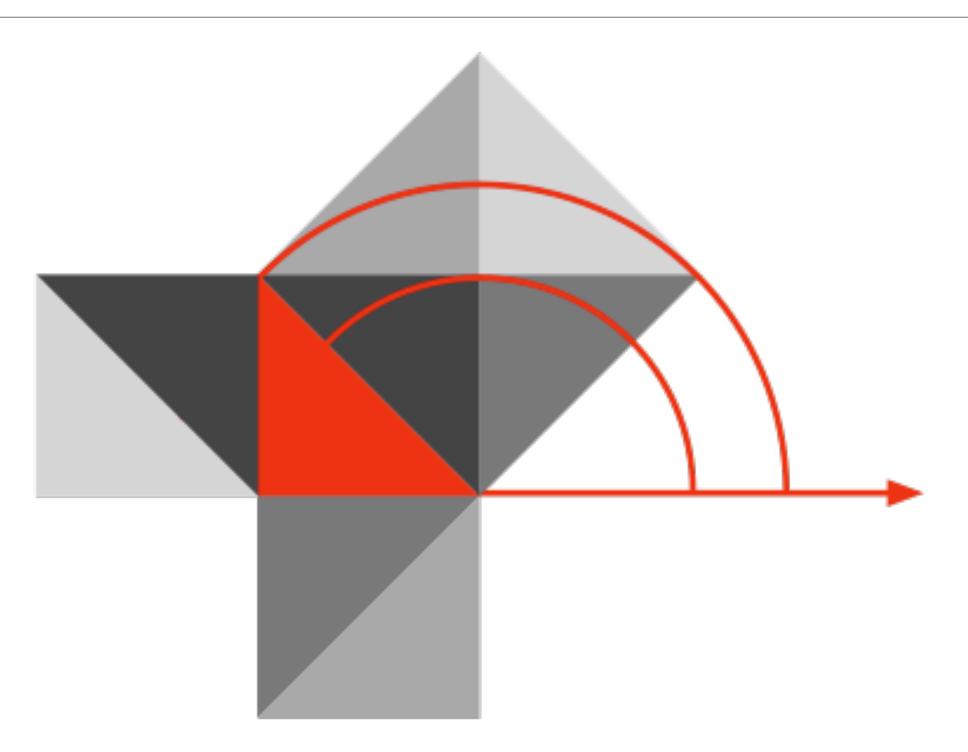
# Formal Definition of **Game** (Salen & Zimmerman)

"A game is a system in which players engage in an artificial conflict, defined by rules, that results in a quantifiable outcome."

The EdTech Quintet – Associated Practices		
Social	Communication, Collaboration, Sharing	
Mobility	Anytime, Anyplace Learning and Creation	
Visualization	Making Abstract Concepts Tangible	
Storytelling	Knowledge Integration and Transmission	
Gaming	Feedback Loops and Formative Assessment	

# Twitter Hashtag: #SAMRvcr

## Hippasus



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