



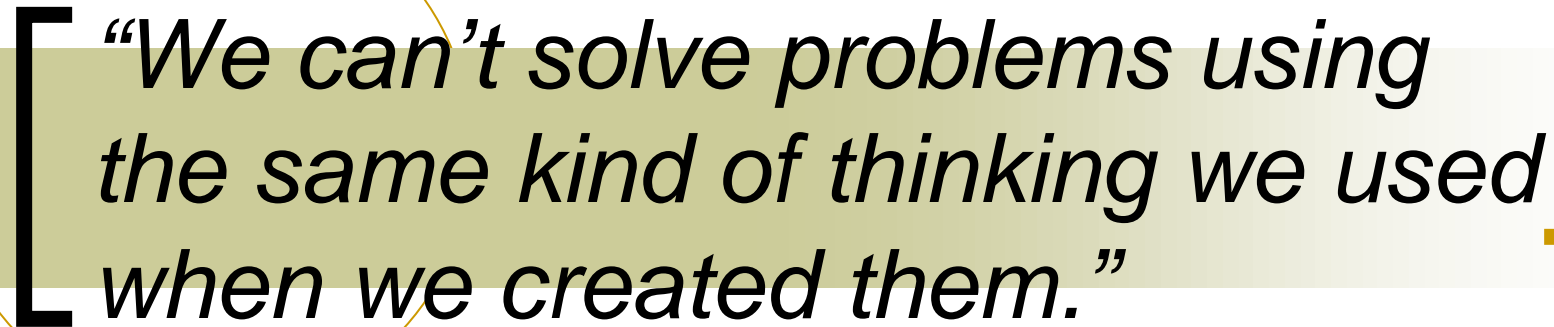
"Imagination is more important
than knowledge" (Albert Einstein)

--Rethinking how we manage
access to knowledge and
information

APLIC-I 2003 (29 April 2003) – Wendy L. Thomas

- 
- A large black left bracket and a large yellow right bracket are positioned at the top of the slide, with a thin yellow horizontal line connecting them across the width of the page.
- *How changes in information creation and dissemination have provided an opportunity for us to manage and provide access to both knowledge and information in new and creative ways.*

- 
- A large black left square bracket and a large yellow right square bracket are positioned at the top of the slide. A thin, light green horizontal line spans the width of the slide, positioned below the brackets.
- *What this means for the type of information infrastructure we need to build collectively, and how we can use that to relay experience and knowledge that is targeted to individual user needs.*



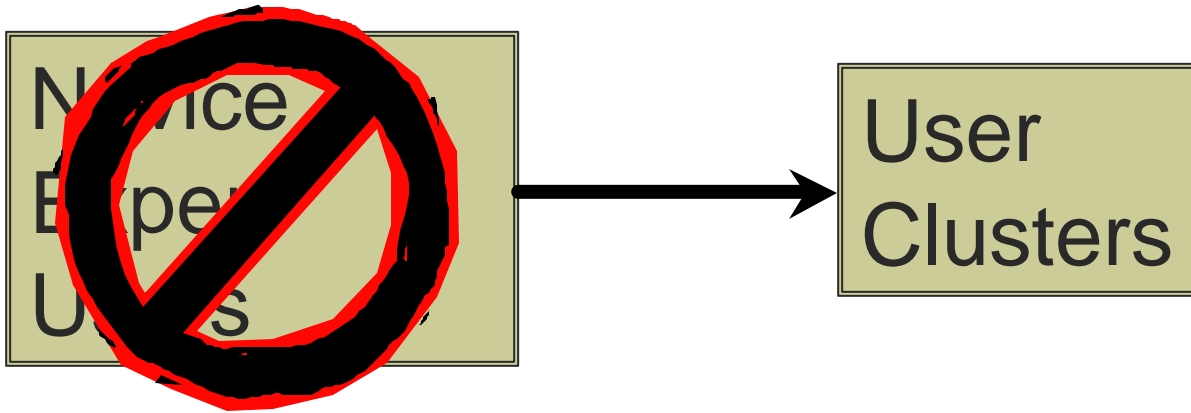
*“We can’t solve problems using
the same kind of thinking we used
when we created them.”*

-- Albert Einstein

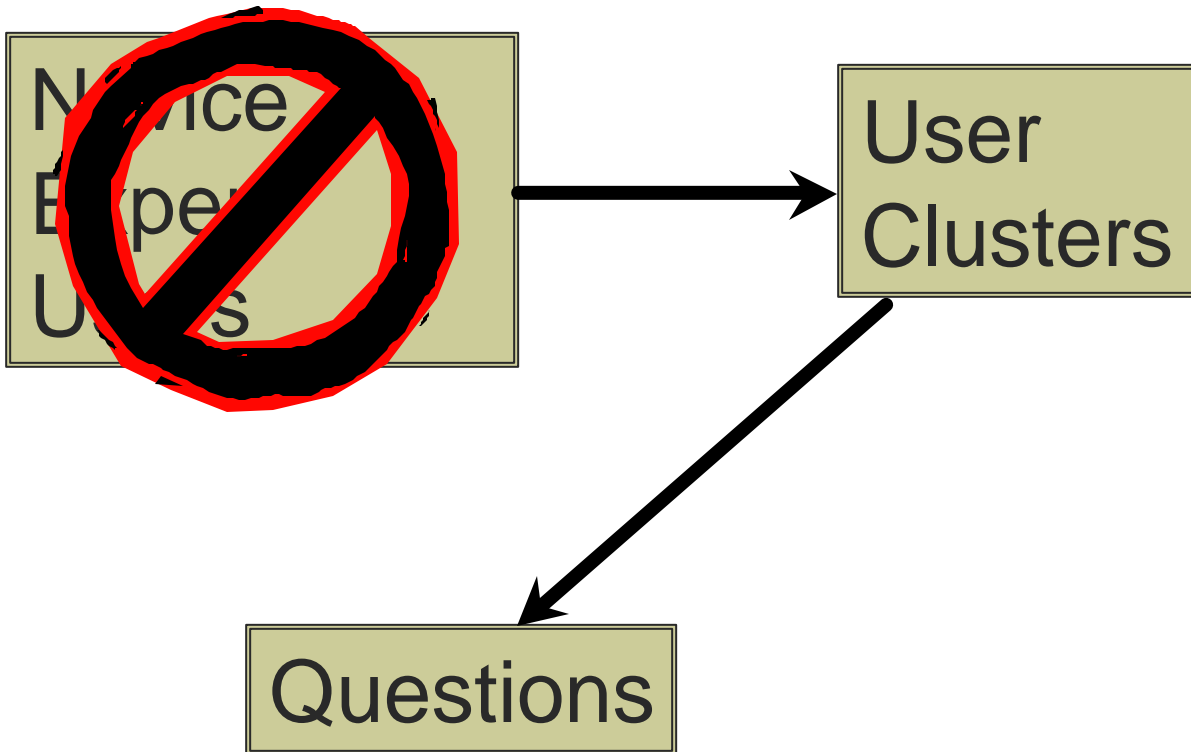
[Shifting the focus]

Novice /
Expert
Users

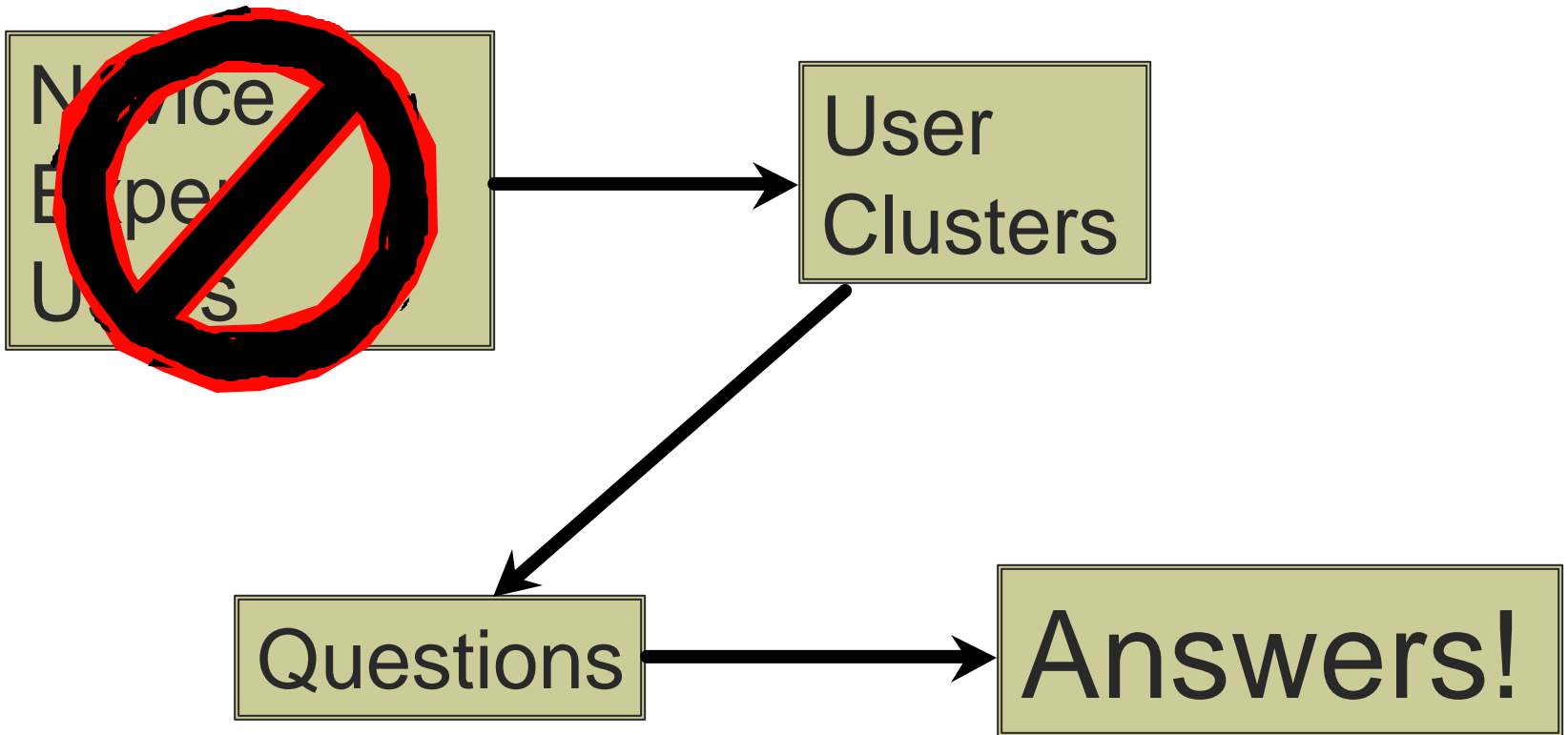
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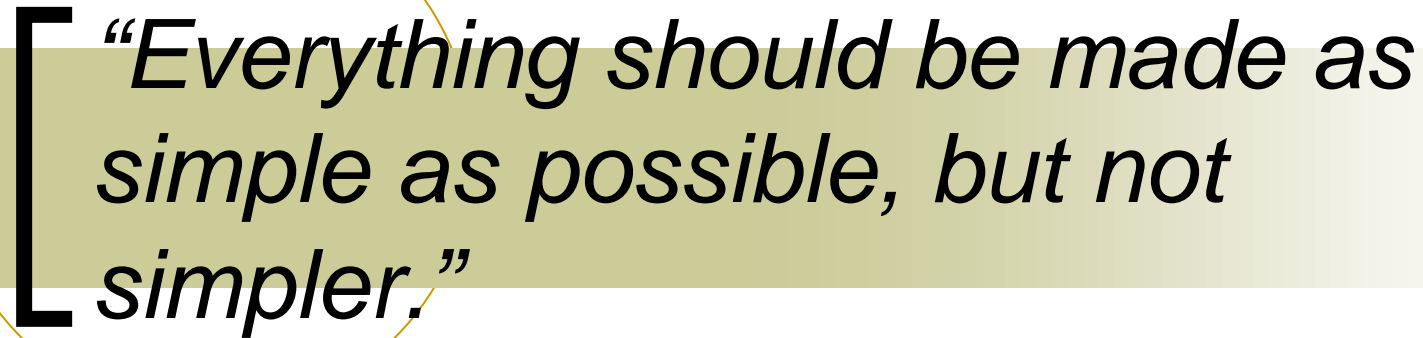


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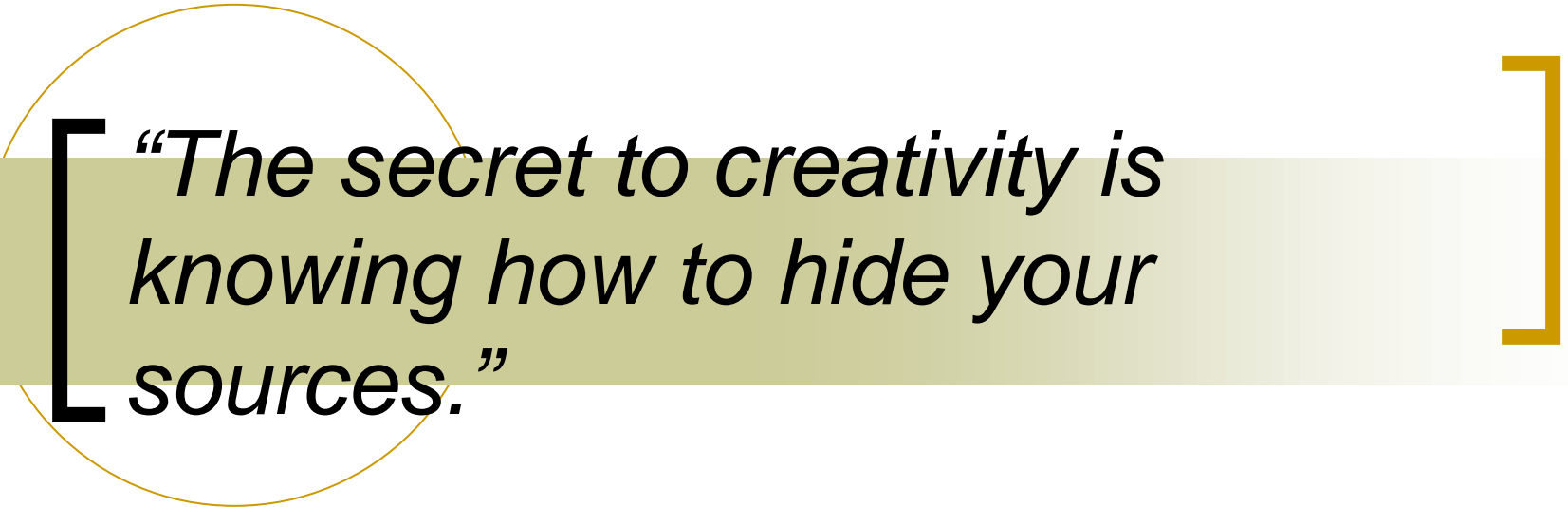
[Shifting the focus]





“Everything should be made as simple as possible, but not simpler.”

-- Albert Einstein



“The secret to creativity is knowing how to hide your sources.”

-- Albert Einstein

[1990 STF4 HA45]

Data Dictionary Version:

T1 HA45 34815 2443 9 0 12 3

T2 HA45 TENURE BY RATIO OF INCOME IN 1989 TO POVERTY LEVEL BY MOBILITY AND

T2 HA45 SELF-CARE LIMITATION STATUS AND AGE OF PERSONS IN UNIT

T3 HA45 Occupied housing units

T4 HA45 TENURE 2

T4 HA45 Owner occupied

T4 HA45 Renter occupied

T5 HA45 RATIO OF INCOME IN 1989 TO POVERTY LEVEL 2

T5 HA45 Under 2.00

T5 HA45 2.00 and over

T6 HA45 MOBILITY AND SELF-CARE LIMITATION STATUS AND AGE OF PERSONS IN UNIT 3

T6 HA45 1 or more persons in unit with a mobility or self-care limitation:

T6 HA45 All persons in unit with a mobility or self-care limitation

T6 HA45 under 62 years

T6 HA45 1 or more persons in unit with a mobility or self-care

T6 HA45 limitation 62 years and over

T6 HA45 No persons in unit with a mobility or self-care limitation

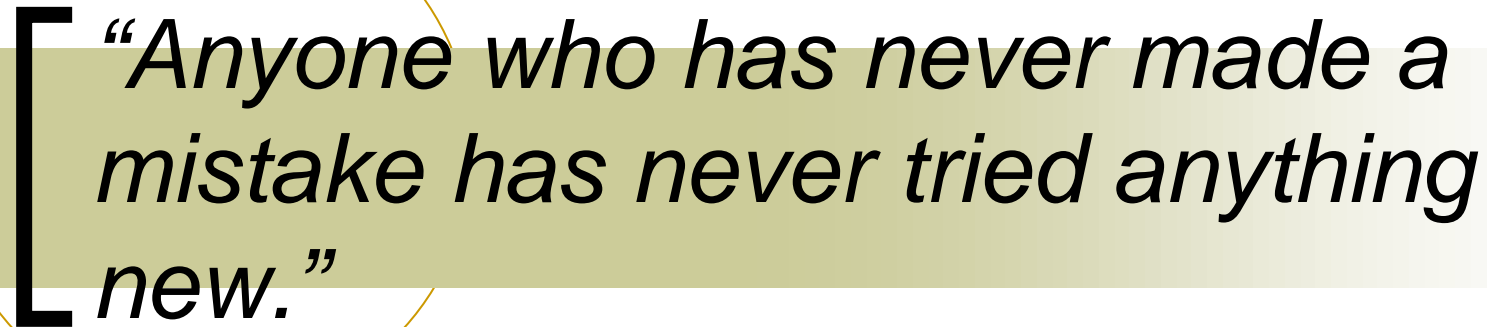
[Part of the XML version]

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TENURE BY RATIO OF INCOME IN 1989 TO POVERTY LEVEL BY MOBILITY AND SELF-CARE LIMITATION STATUS AND AGE OF PERSONS IN UNIT (NHA45)

(*Universe : Occupied housing units*)
(*Nation : United States*)

		RATIO OF INCOME IN 1989 TO POVERTY LEVEL					
		Under 2.00			2.00 and over		
		MOBILITY AND SELF-CARE LIMITATION STATUS AND AGE OF PERSONS IN UNIT			MOBILITY AND SELF-CARE LIMITATION STATUS AND AGE OF PERSONS IN UNIT		
		1 or more persons in unit with a mobility or self-care limitation:			1 or more persons in unit with a mobility or self-care limitation:		
		All persons in unit with a mobility or self-care limitation under 62 years	1 or more persons in unit with a mobility or self-care limitation 62 years and over	No persons in unit with a mobility or self-care limitation	All persons in unit with a mobility or self-care limitation under 62 years	1 or more persons in unit with a mobility or self-care limitation 62 years and over	No persons in unit with a mobility or self-care limitation
TENURE	Owner occupied	877,897	1,901,875	10,203,137	1,792,026	2,430,555	41,825,888
	Renter occupied	1,311,298	1,268,555	12,948,059	716,923	548,882	16,122,315

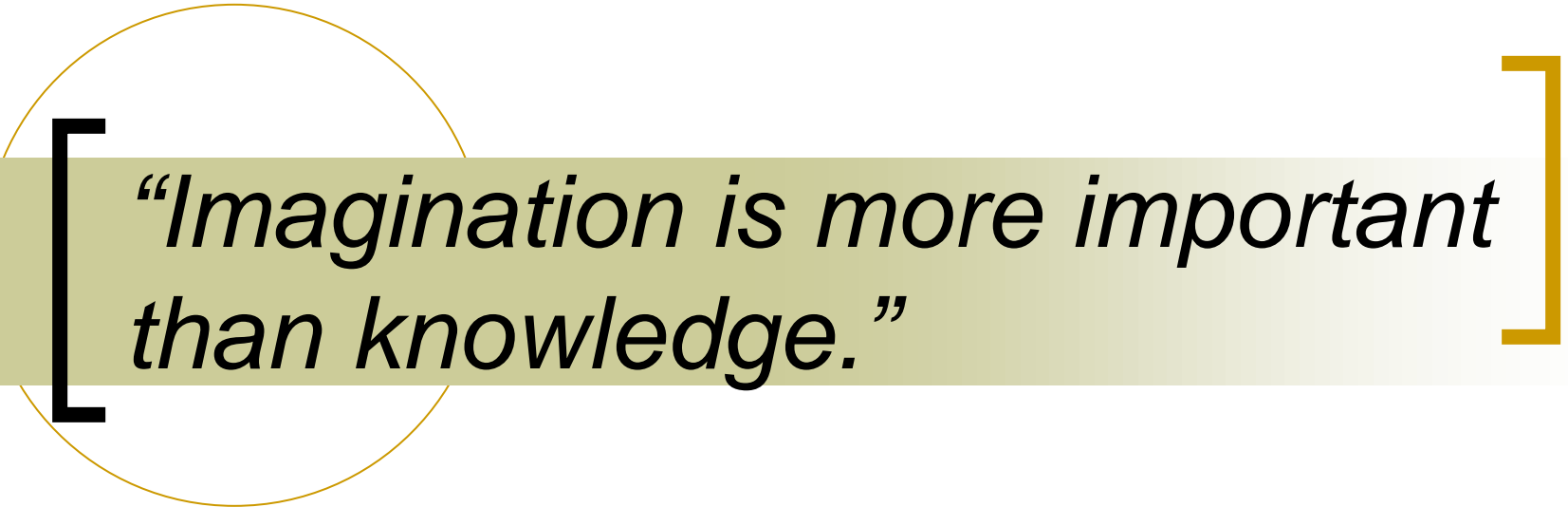


*“Anyone who has never made a
mistake has never tried anything
new.”*

-- Albert Einstein

[Finding a development balance]

- Programmers want full specs up front
- Designers want a fully iterative process
- We are exploring the problems as well as designing a system
- We are creating and recreating the tools as we go along



*“Imagination is more important
than knowledge.”*

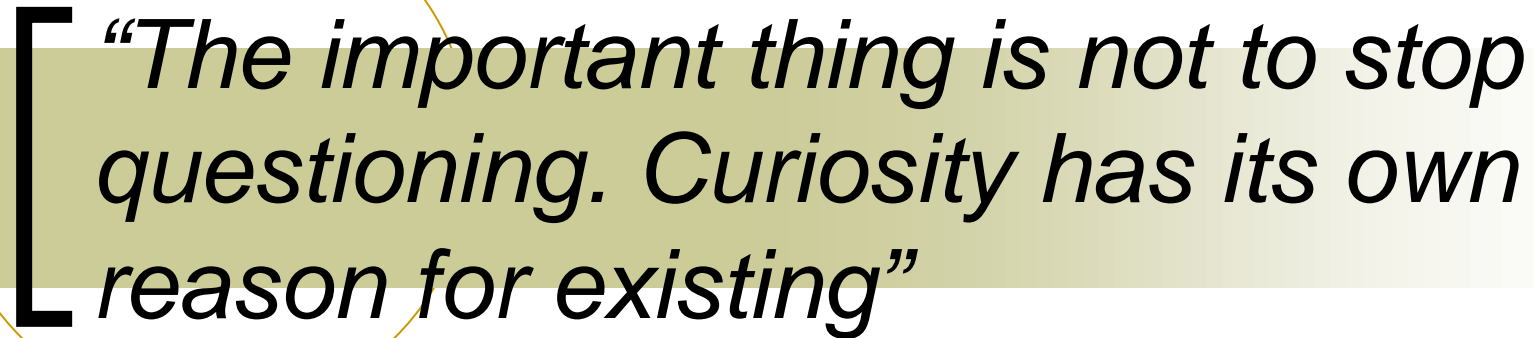
-- Albert Einstein

[Aggregate Data Description]

- What makes aggregate data different
- How can this be described in a consistent manner
- Separating physical storage from logical structure from display
- Now that we are looking at the data in this way, what does it free us to do

[Making the connection]

- “Can you link your aggregate data to my microdata”
- Maps add glitz and a whole lot more
- Recognizing what’s around the next curve
- Pulling in the right people
- Building for the future

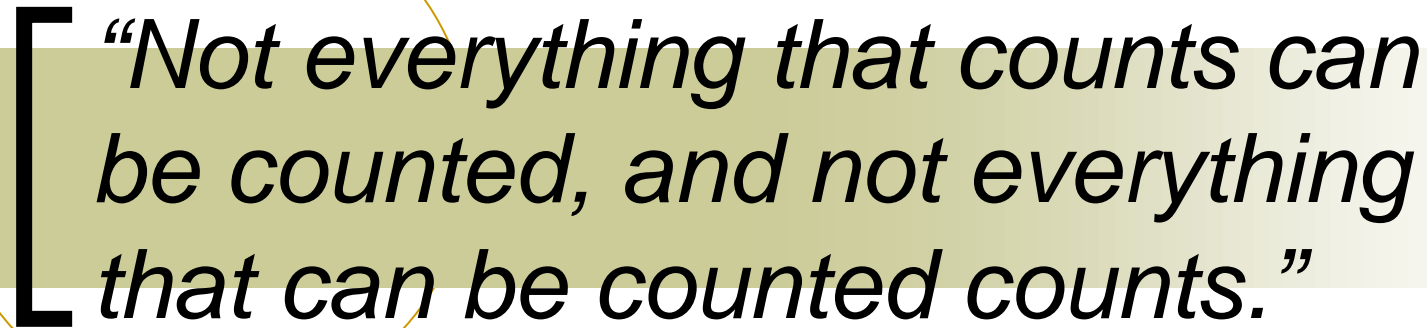


“The important thing is not to stop questioning. Curiosity has its own reason for existing”

-- Albert Einstein

[Incorporating knowledge]

- Basic knowledge core
- Refining the parts – flipping them over and looking at them from another angle
- Adding new pieces
- Learning to look at other systems for solutions



*“Not everything that counts can
be counted, and not everything
that can be counted counts.”*

-- Albert Einstein

[Contacts:]

- <http://www.ipums.org>
- <http://www.nhgis.org>
- <http://www.pop.umn.edu>
- <http://www.icpsr.umich.edu/DDI>
- wlt@pop.umn.edu

Acknowledgements to Kevin Harris for the list containing the above quotes and many others, found at <http://rescomp.stanford.edu/~cheshire/EinsteinQuotes.html>