

Critical Data Literacy & the ACRL Framework as an Educational Reform Movement

IASSIST 2017

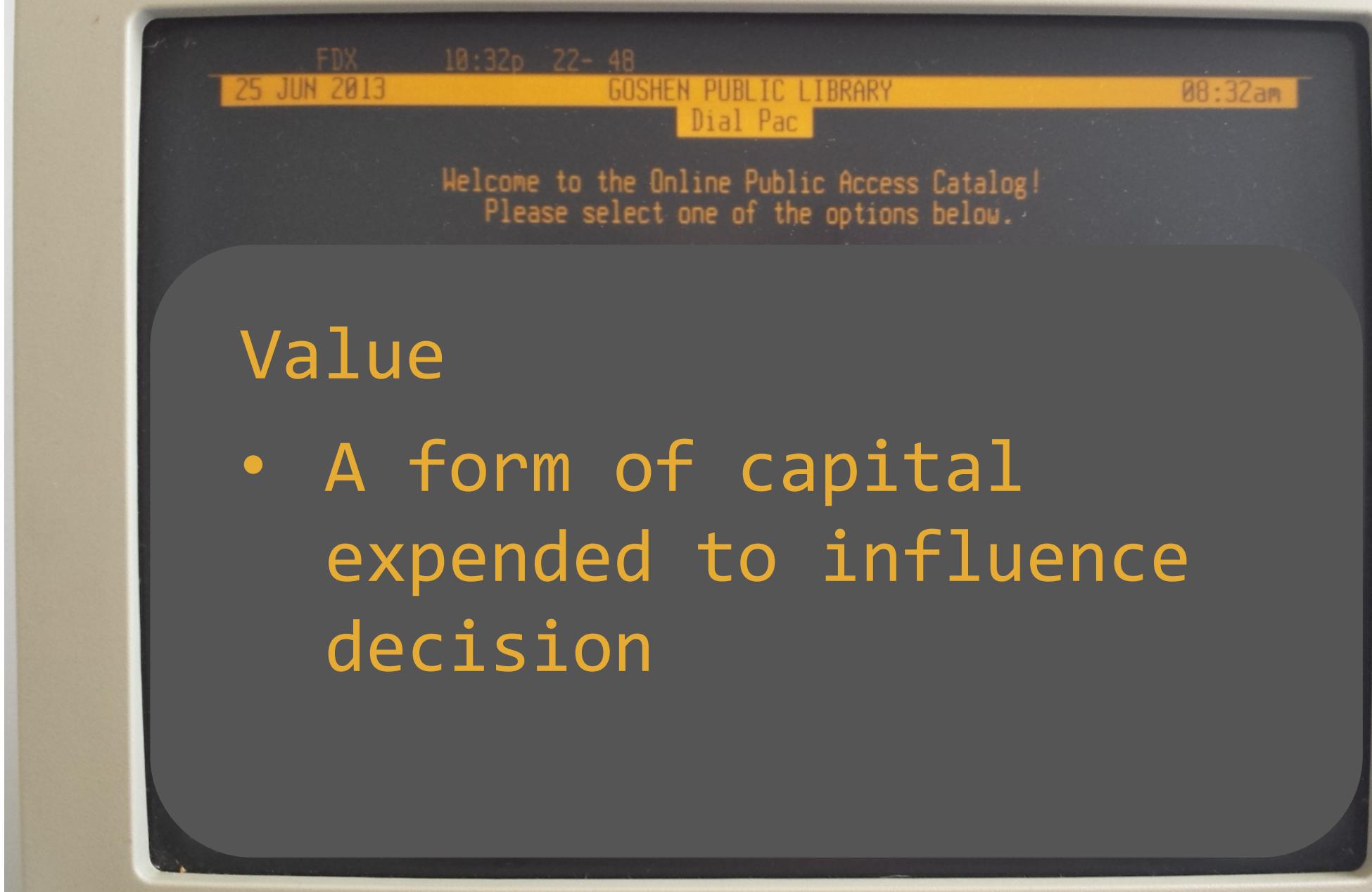
I. Introduction

Research Questions

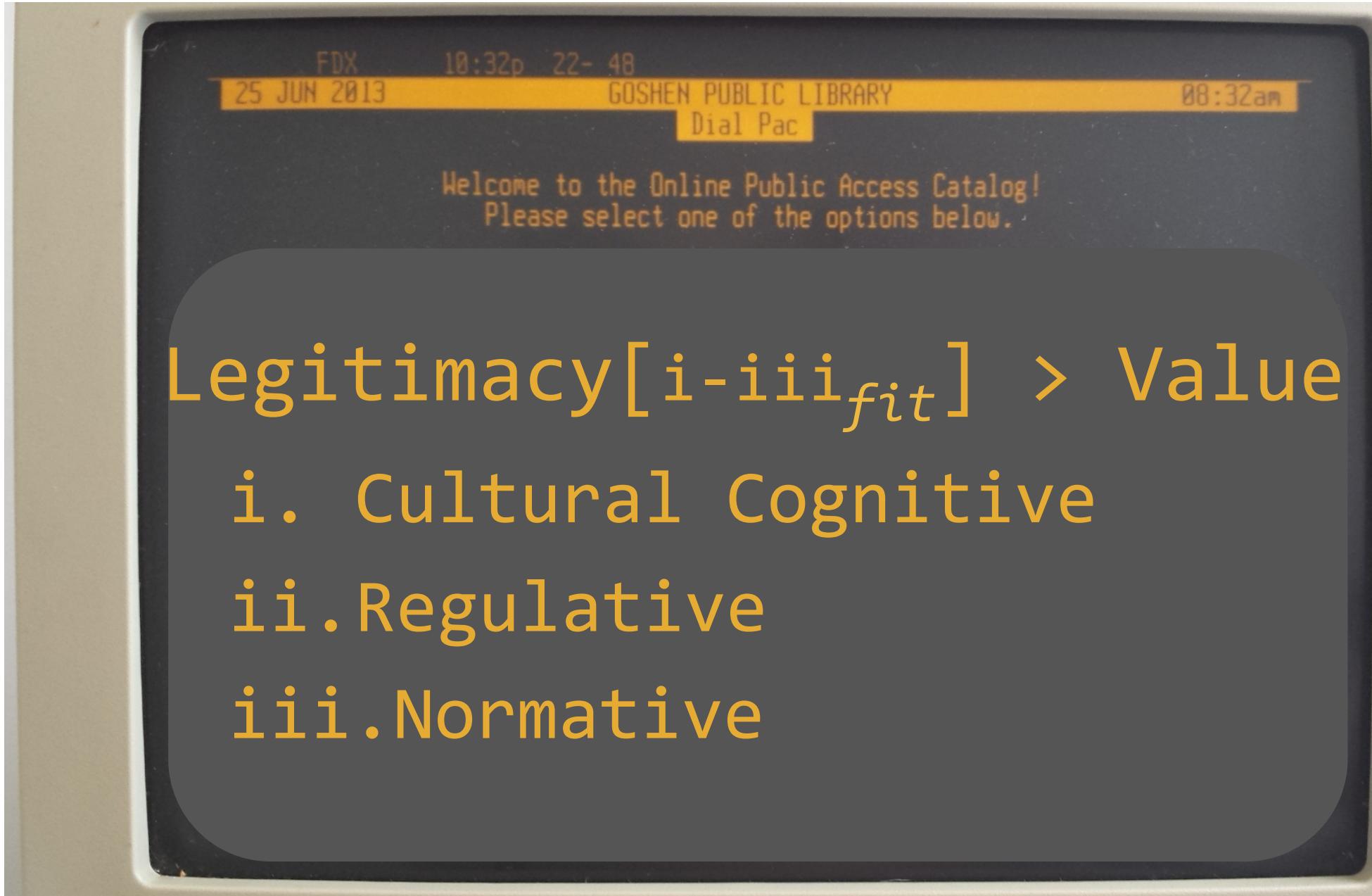


- I. How do we *define* the value of critical data literacy?
- II. How do we *assess* the value of critical data literacy?

I. Defining Value



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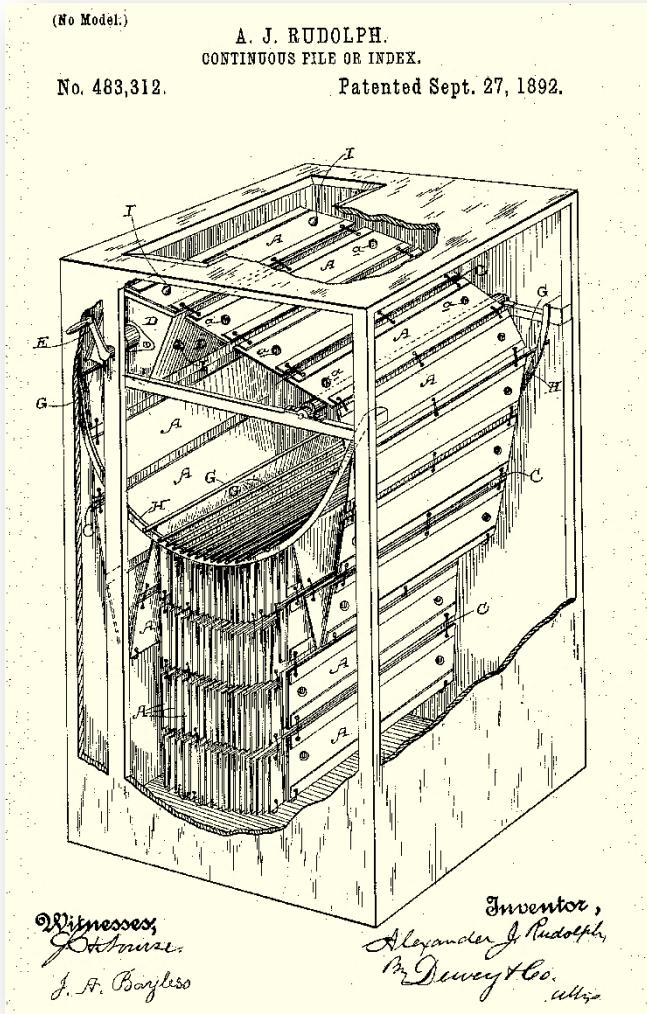
Basis of Legitimacy: *Cultural-Cognitive*

Drake University

- Mission Statement
 - “... commitment to diversity, equity and inclusion”
- Statement of Principles
 - “... redress historical injustices that results in continued marginalization of specific groups”

I. Defining Value

Basis of Legitimacy: *Regulative*



Professional Association: ACRL

- Framework for Information Literacy for Higher Education
 - ...*information literacy as an educational reform movement*

I. Defining Value

Basis of Legitimacy: *Normative*



Authority is constructed & contextual

- acknowledge biases that privilege some authority based upon: *Worldviews, gender, sexual orientation or cultural orientation*

Defining the Value of Critical Data Literacy

Legitimacy as Fit

- *Cultural-Cognitive*
- *Normative*
- *Regulative*

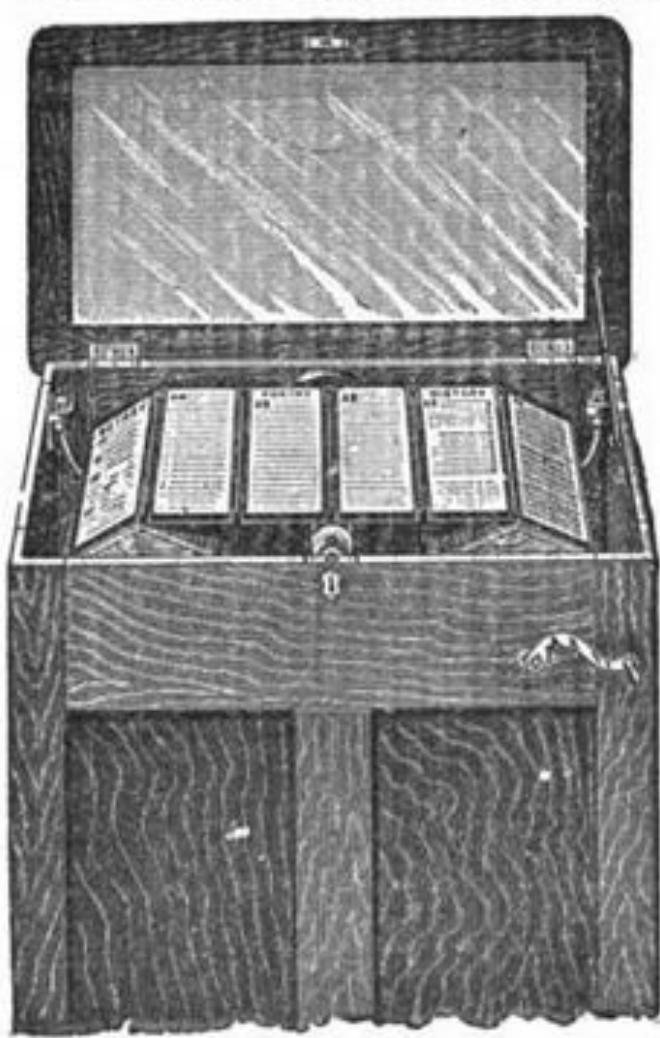


Value [*Decision Making Capital*]

Critical Data Literacy

- Cultural Cognitive = [*University Social Justice Values*]
- Regulative = [*ACRL Framework as a Social Movement*]
- Normative Practices = [*Authority is Constructed & Contextual*]

II. ASSESSING Value



Critical Data Literacy: *Instrument & Unit of Analysis*

Knowledge Practices: *External*

- Recognize indicators of authority & elements that temper that authority

Disposition: *Internal*

- Question traditional notions of authority

II. ASSESSING Value

Critical Data Literacy: *Methodology*



Knowledge Practices: *Moral Analysis of Outcomes*

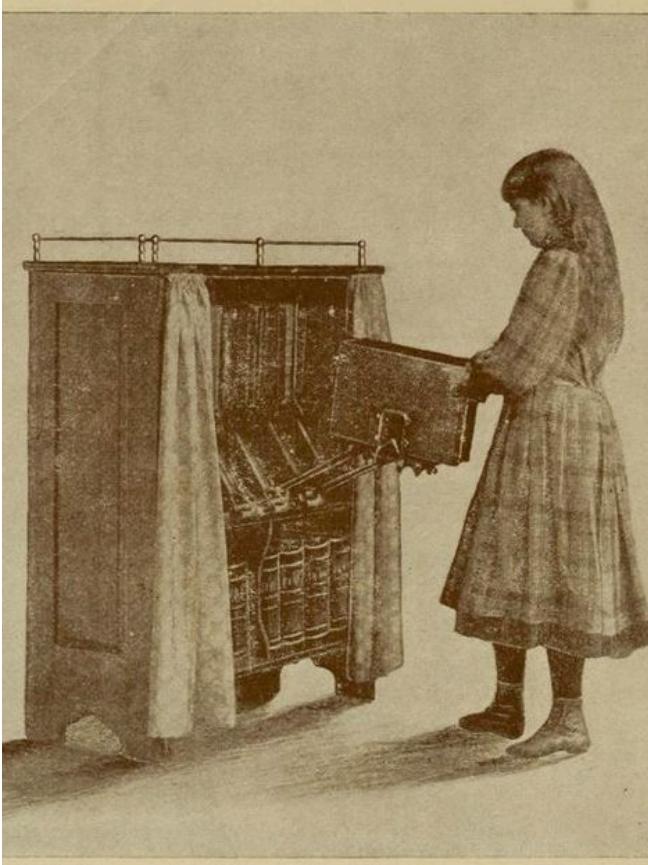
- Rights & Duties
- Utility Value

Disposition: *Moral Analysis of Intent*

- Virtuous disposition
- Respect for persons

II. Assessing Value

Critical Data Literacy: *Theoretical Perspective*



Knowledge Practices: *Threshold Theory*

- *Core concepts once grasped create ways of understanding & challenging a discipline*

Disposition: *Metaliteracy*

- *Critical reflection required to collaborate, create & share within a digital environment*

I. Conclusion

Critical Data Literacy & ACRL Framework

How do we (I) *value* and (II) *assess* critical data literacy

- I. Legitimacy [*cultural cognitive, normative, regulative*] = Value as decision making capital
- II. Assessing Critical Data Literacy:
 - *Authority is Constructed & Contextual*)

	Constructed (External)	Contextual (Internal)
Instrument	Knowledge Practices	Dispositions
Methodology	Rights & Duties, Utility	Virtue, Respect for Person
Theory	Threshold	Metaliteracy