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The Economics of Online Identity: 6 Buzzwords to Impress your Boss



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@NSTICNPO



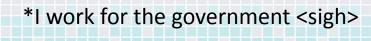


If solving market-based problems were trivial, economists wouldn't get paid so much*

- A host of economic phenomena characterize online identity
- We'll cover six you should drop at your next staff meeting:
 - Limited option sets
 - 2. High search costs
 - 3. High switching costs

- 4. Asymmetric information
- 5. Background risk
- 6. Risk ≠ Uncertainty







Limited	High
Option	Search
Sets	Costs
AND DESCRIPTION OF PERSONS ASSESSMENT ASS	

High Switching Costs

Asymmetric Info Background Risk Risk ≠ Uncertainty



#1: If the market were <u>already</u> offering what consumers wanted, we <u>wouldn't need</u> innovation

"Any customer can have a car painted any colour that he wants so long as it is black"



- Henry Ford



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Limited

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Costs

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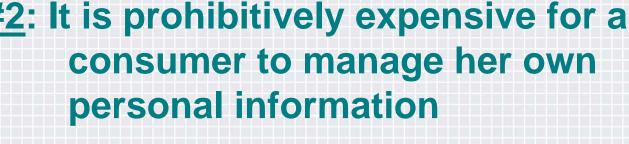
Search

High **Switching** Costs

Asymmetric Info

Background Risk

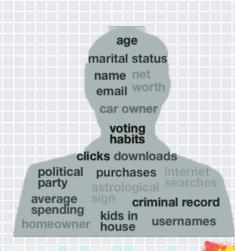
Risk ≠ **Uncertainty**



We spend our time searching for security and hate it when we get it."

- John Steinbeck, America and the Americans





Limited	High	High
Option	Search	Switchir
Sets	Costs	Costs

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Asymmetric Info

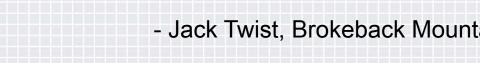
Background Risk

Risk ≠ **Uncertainty**

#3: A consumer may stick with inferior services due to his overhead costs of switching

"I wish I knew how to quit you."

- Jack Twist, Brokeback Mountain









Sets	Costs	Costs	
#4: It's	mostl	y a blacl	k
C	onsum	ers	

High

Search

"I know that you know that I know that you know I try."

High

Switching

- Portugal the Man, "Never Pleased"

Asymmetric

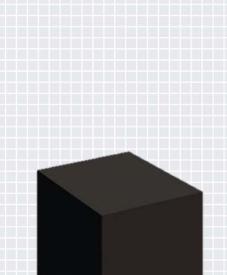
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Risk ≠

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Background

Risk



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Limited

Option

Sets

High Search Costs

High **Switching** Costs

Asymmetric Info

Background Risk

Risk ≠ **Uncertainty**



"Any man can make mistakes, but only an idiot persists in his error."







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Limited Option Sets	High Search Costs	Switching Costs	Asymmetric Info	Background Risk	Risk ≠ Uncertainty	9	#RSAC

#6: A consumer can't manage what she doesn't know

"But there are also unknown unknown unknowns."

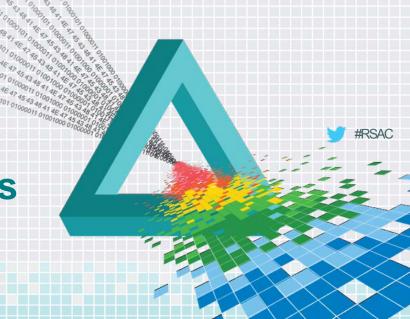
- Donald Rumsfeld





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Apply:
Three fixes for higher returns



Option Sets	High Search Costs	Switching Costs	Asymmetric Info	Background Risk	Risk ≠ Uncertainty	#RSAC
Jets	COSES	Costs				

Fix 1: Ask the hard question— are these phenomena hurting me?

"We thought that we had the answers, it was the questions we had wrong."







Option Sets	High Search Costs	Switching Costs	Asymmetric Info	Background Risk	Risk ≠ Uncertainty	#RSAC

Fix 2: Activities that reduce friction increase downstream ROI

"Everything is awesome. Everything is cool when you work as a team."

- The Lego Movie







Option Sets	Search Costs	Switching Costs	Info	Risk	Uncertainty	
Limited	High	High	Asymmetric	Background	Risk ≠	

Fix 3: Do the things you can do now.

"An organization's ability to learn, and translate that learning into action rapidly, is the ultimate competitive advantage."

- Jack Welch







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Limited

Option

Sets

High	High
Search	Switching
Costs	Costs
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Asymmetric Info

Background Risk Risk ≠ Uncertainty

- Visit us online
 - NSTIC nstic.gov
 - IDESG idecosystem.org
 - Connect.gov connect.gov
- Read our work & related publications:
 - The National Strategy for Trusted Identities in Cyberspace
 - Framework for Improving Critical Infrastructure Cybersecurity
 - The Cybersecurity Framework in Action: An Intel Use Case



Option	Search	Switching	Asymmetric	Background	Risk ≠	
Sets	Costs	Costs	Info	Risk	Uncertainty	
FIN						

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Limited

High

High