



Intelligent Information Systems

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Lecture Notes: Module 5



HUMAN CAPITAL
HUMAN – BEST INVESTMENT!

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Information Systems

? | $:=$ | \supset | \subset & vs. | ...

Artificial Intelligence

Module 5

Prologue

Old and New





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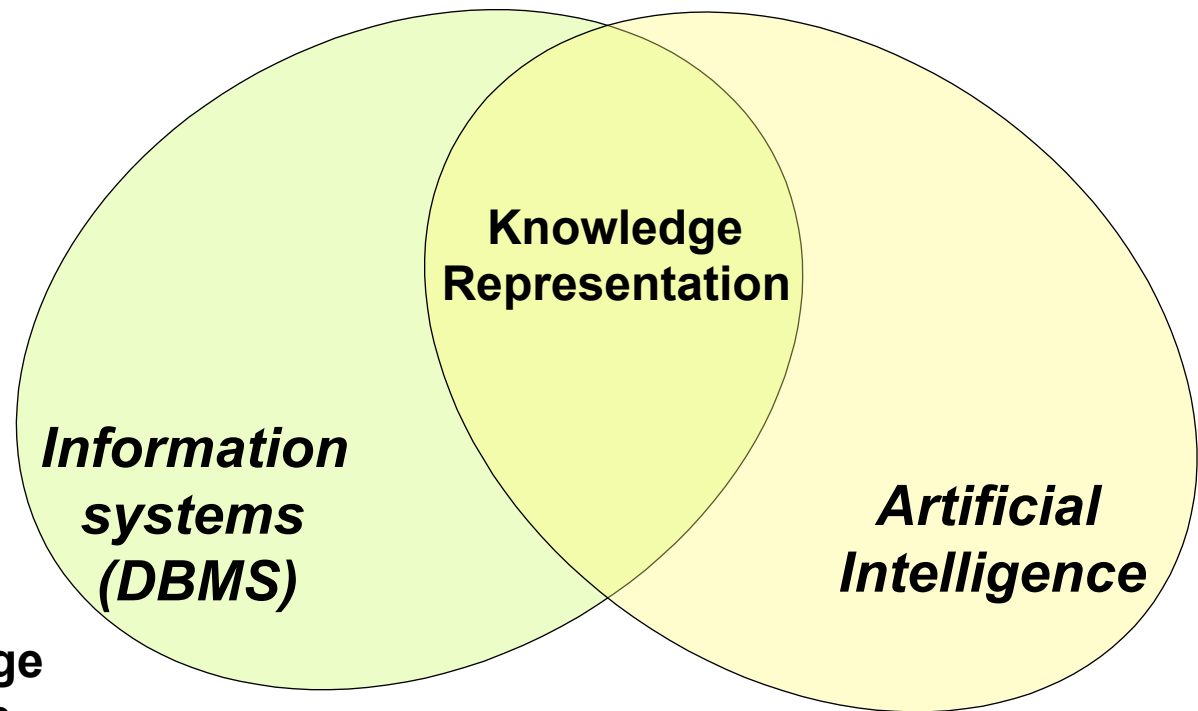
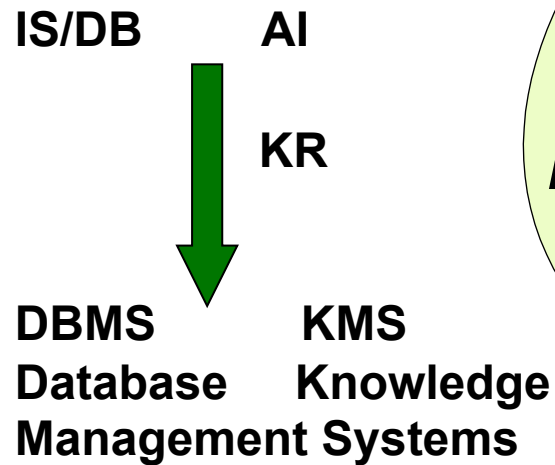
3. Epilogue

Relationships and Comparisons

IS, AI, KR - Relationship

Today: $AI \cap IS = KR$

Soon: $|AI \cap IS| \uparrow$



Comparisons

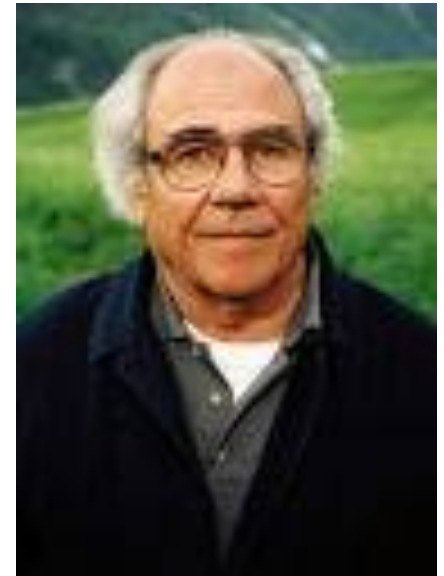
Paradigm	Presence/implemented	
	IS/DBMS	AI
Data, data model	+	+ -
Complex data structures	+ -	+
Retrieval language, manipulation language	+	+ -
Inference	-	+
Trnasactions	+	-
Optimization	+	-
Data validation	-	+
Distributed systems	+	-
Data and access protection	+	-
Performance	+	-
HR	+	-

ISs entirely based on AI have not emerged and got commercialized; however, aspects of AI are applied in standard ISs.

Epilogue

Will You Agree?

“The sad thing about artificial intelligence is that it lacks artifice and therefore intelligence”



—Jean Baudrillard



WARSAW UNIVERSITY OF TECHNOLOGY
DEVELOPMENT PROGRAMME



Thank you!



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