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Knowledge Inn (in nature)

Research Profile Herbert A Simon (Nobel Laureate)

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HerbertA Simon

**Born on June 15, 1916,
Milwaukee, Wis, US**

Died on February 9, 2001

	All	Since 2014
Citations	3,46,193	85,145
h-index	175	95
# Publications	Approx. 909	
Accessed on	19-07-2019	

1978 Nobel Prize in

Economics
Decision-making
within economic
organizations

Pioneering research outcome
organizational decision-
making

- Most influential book Administrative Behavior (1947)
- Several books on computers, economics management

- Highly simplified classical approach in economic modeling

- Single decision-making
- Maximization of their own profit as the only goal

- Simon's model

- Approach with recognized multiple factors those contribute to decision making
 - + More realistic understanding of a world
 - decision making can affect prices and outputs

Innovative ideas of Herbert A Simon

- Computer : A tool simulating human thinking and augmenting it with artificial intelligence
- Herbert Simon combined different scientific disciplines

Herbert A Simon

Expertise

Mathematics	Statistics	Computer science
Operations research	Philosophy of science and sociology	
Economics	Psychology	Cognitive psychology
Public administration	Business administration	Management
Considered to be one of founders of artificial intelligence Profounder of "Theory of corporate decision making known as "behaviourism"		

Working skills

Broad base of knowledge	Reasonable skills
○ Economics	○ Advanced mathematics
○ Political science	○ Symbolic logic
	○ Mathematical statistics

Employment / Academic positions of Herbert A Simon

Employment	University of California, Berkeley, Illinois Institute of Technology in Chicago	
Professor of administration and psychology	Carnegie Institute of Technology (now Carnegie Mellon University)	1949
Richard King Mellon University Professor of Computer Science and Psychology		

Academic profile of Herbert A Simon					
Undergraduate field study					
Research assistantship	1936 graduation	<ul style="list-style-type: none"> ○ With Clarence E. Ridley in the field of municipal administration ○ Now classified as operations research ○ University of Chicago 			
Directorship, from 1939 to 1942		Research group at the University of California			
1942	<ul style="list-style-type: none"> ▶ Research grant was exhausted ▶ jobs were not plentiful ▶ Military obligations were uncertain 				
A position	In political science at Illinois Institute of Technology by the intercession of a friend who was leaving that place				
<table border="1" style="margin: auto;"> <tr> <td>Ph.D</td> <td>Political science</td> <td>1943</td> </tr> </table>			Ph.D	Political science	1943
Ph.D	Political science	1943			

Year	Awards (to) Herbert A Simon
1986	U.S. National Medal of Science A.M. Turing Award

Family profile of Herbert A Simon		
Mother	Accomplished pianist	<ul style="list-style-type: none"> ○ A third generation American ○ Her forebears having been '48ers who immigrated from

		Prague and Köln
Father	Electrical engineer	<ul style="list-style-type: none"> ○ Migrated from Germany ○ Came to the United States in 1903 after earning his engineering diploma at the Technische Hochschule of Darmstadt, Germany ○ He was an inventor and designer of electrical control gear, later also a patent attorney

Typical titles of research output of Herbert A Simon high impact (# citations) publications	# Citations	Year of pub
Administrative behavior, a story of decision processes in business organization HA Simon London, Macmillan (1951). "A Formal Theory of the Employment Relationship ...	30274*	1947
Administrative behavior HA Simon Simon and Schuster	29450*	2013
Les organisations: 2e ed JG March, HA Simon Dunod	28992*	1979
Organizations, (1993) JG March, HA Simon, HS Guetzkow Oxford: Blackwell. Markowitz, HM, (1952), "Portfolio Selection". Journal of ...	28909*	1958
Organizations: With the Collaboration of H. Guetzkow JG March, HA Simon, HS Guetzkow Wiley	28907*	1963
Organizations: By James G. March and Herbert A. Simon, with the Collab. of Harold Guetzkow JG March, HA Simon, H Guetzkow Wiley	28906	1958
Organizations Wiley JG March, HA Simon New York 262	28904*	1958
Organizations. JG March, HA Simon Wiley	28904	1958
The sciences of the Artificial. 1969	26390*	1981

HA Simon Massachusetts Institute of Technology		
The Sciences of the Artificial. 3rd HA Simon The MIT Press	26330*	1996
The sciences of the artificial HA Simon Computers and Mathematics with Applications 5 (33), 130	26278	1997
The sciences of the artificial HA Simon MIT press	26278	1996
Human problem solving N Allen, AS HERBERT Englewood Cliffs, N_]: Prentice-Hall	20394*	1972
Human problem solving A Newell, HA Simon Prentice-Hall 104 (9)	20168	1972
A behavioral model of rational choice HA Simon Competition Policy International 6 (1), 241-258	17579*	2010
Protocol analysis: Verbal reports as data, Rev KA Ericsson, HA Simon Cambridge, MA, US: The MIT Press	17338*	1993
A behavioral model of rational choice HA Simon Organizational Decision Making, 174-184	16656*	1967
A behavioral model of rational choice HA Simon The quarterly journal of economics 69 (1), 99-118	16656	1955
Models of man; social and rational. HA Simon Wiley	13463	1957
Models of man: Social and national HA Simon New York, EEUU: Wiley	13396	1957
Models of Man Social and Rational, Mathematical Essays on Rational Human Behavior in a Social Setting. Herbert A. Simon,... HA Simon J. Wiley and Sons	13396*	1957
Protocol analysis	12984	1993

KA Ericsson, HA Simon MIT press		
The new science of decision making HA Simon New York: Harperand Row	7897*	1960
The new science of management decision. HA Simon Harper & Brothers	7850	1960
The architecture of complexity HA Simon Managing in the Modular Age: Architectures, Networks, and Organizations, 15	7685*	2009
The architecture of complexity HA Simon The general theory of systems applied to management and organization 1, 43-56	7564*	1980
The architecture of complexity HA Simon Facets of systems science, 457-476	7557	1991
Verbal reports as data. KA Ericsson, HA Simon Psychological review 87, 215	5896	1980
Verbal reports as data. KA Ericsson, HA Simon Psychological review 87 (3), 215	5896	1980
Models of bounded rationality: behavioral economics and business organization, vol. 2 HA Simon The Massachusetts Institute of Technology	5893*	1982

Yesterday's observations/ measurements paves way to
Today's Science

Yesterday's Science molds into
Today's technology

Today's technology blossoms into
Tomorrow's prototype products

Today's prototype products refine into
Tomorrow's value-added/ finished / consumer
friendly prods with outstanding utility

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