

Rituals Between Mind and Society 2021 4-5 November 2021



Jewish Theological Seminary University of Jewish Studies

Circumcision, immersion Jewis and dietary restrictions as rituals

Jewish rituals extending the Lawson — McCauley model

Tamás Biró

tamas.biro@btk.elte.hu, http://birot.web.elte.hu/

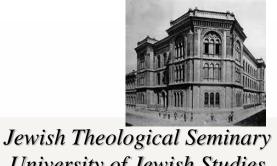
ELTE Eötvös Loránd University

birot@or-zse.hu, http://www.or-zse.hu/

Jewish Theological Seminary – U. of Jewish Studies



Overview



University of Jewish Studies

- 1. What is meant by 'cognitive' in the cognitive science of religion?
- 2. A CSR approach to rituals: Lawson and McCauley (1990) model a linguistic fresh view
- 3. Jewish rituals and a revision of the Lawson McCauley model



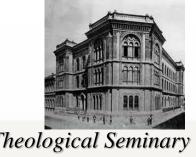
Overview



- 1. What is meant by 'cognitive' in the cognitive science of religion?
- 2. A CSR approach to rituals: Lawson and McCauley (1990) model
 - a linguistic fresh view
- 3. Jewish rituals and a revision of the Lawson McCauley model



What is CSR today?



Jewish Theological Seminary University of Jewish Studies

- Cognitive science of religion:
 a biological approach to religion,
- as opposed to (or: in addition to) theological, historical, social, psychological, semiotic etc. approaches.



What is CSR today?



Jewish Theological Seminary University of Jewish Studies

Put it differently: **religion** viewed

addition to as a historical, social,

as a biological phenomenon, in

- Cognitive science of religion:
 a biological approach to religion,
- as opposed to (or: in addition to) phycological etc. phenomenon.
 theological, historical, social, psychological, semiotic etc. approaches.
- Hence:

psychological, neurological, physiological, evolutionary etc. research questions & methodologies.

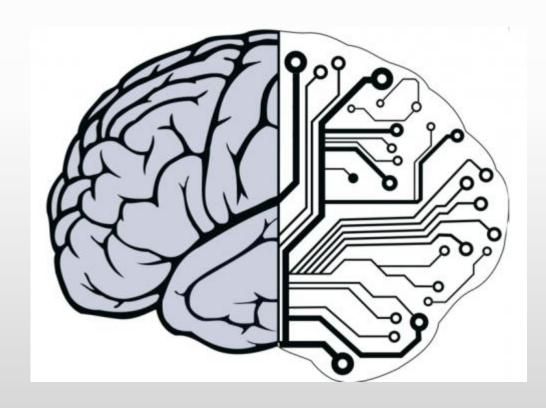


What was CSR originally, in 1990? (at least, so I believe)



Jewish Theological Seminary University of Jewish Studies

- Cognitive turn in the 1950s, 1960s:
 the "mind is a computer" metaphor
- Focus on mind, not brain.
- Phenomena as information processing: data structures, algorithms, etc.
- Parallel distributed processing,
 embodied and embedded cognition etc.





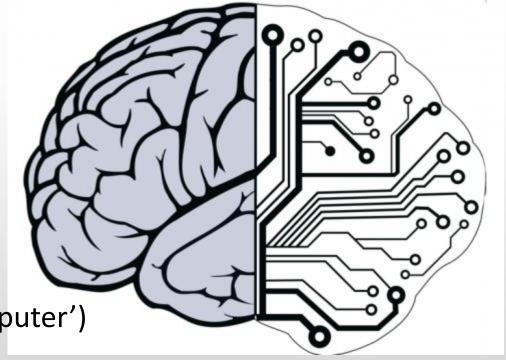
What was CSR originally, in 1990? (at least, so I believe)



Jewish Theological Seminary University of Jewish Studies

- Cognitive science of religion:
 the "mind is a computer" metaphor
- Religious concepts, beliefs, narratives, objects, specialists, <u>rituals</u>...
 as mental "representations"
- ... at least in a computational model:

 ('computational' from 'computing', not from 'computer')
- data structures and algorithms processing them







Jewish Theological Seminary University of Jewish Studies

- Why couldn't CSR follow the path of linguistics,
 the first humanities field / the first field studying higher cognition that underwent the cognitive turn?
- 1. Using the knowledge accumulated in the past centuries, structural analysis of the phenomena.
- 2. Turning those structural analyses into formal models.
- 3. Analysis of further phenomena lead to rejection / corroboration / refinement of the existing models.

Cf. Biró, T (2014), in TopiCS





Jewish Theological Seminary University of Jewish Studies

- Using the knowledge accumulated in the past centuries, structural analysis of the phenomena.
- 2. Turning those structural analyses into formal models.
- 3. Analysis of further phenomena lead to
 - rejection / corroboration / refinement of the existing models.



- 4. How can these models be implemented in the wetware of the brain?
- 5. Connection to other cognitive functions/phenomena?
- 6. How can these models be learnt by a learner (ontogeny)?
- 7. How could those models evolve (phylogeny)?

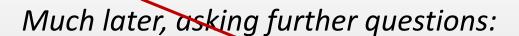
Cf. Biró, T (2014), in TopiCS





Jewish Theological Seminary University of Jewish Studies

- Using the knowledge accumulated in the past centuries, structural analysis of the phenomena.
- 2. Turning those structural analyses into formal models.
- 3. Analysis of further phenomena lead to
 - rejection / corroboration / refinement of the existing models.



- 4. How can these models be implemented in the wetware of the brain?
- 5. Connection to other cognitive functions/phenomena?
- 6. How can these models be learnt by a learner (ontogeny)?
- 7. How could those models evolve (phylogeny)?

Cf. Biró, T (2014), in TopiCS





Jewish Theological Seminary University of Jewish Studies

- Why couldn't CSR follow the path of linguistics,
 the first humanities field / the first field studying higher cognition
 that underwent the cognitive turn?
- 1. Using the knowledge accumulated in the past centuries, structural analysis of the phenomena.
- 2. Turning those structural analyses into formal models.
- 3. Analysis of further phenomena lead to rejection / corroboration / refinement of the existing models.

An example from the study of Judaism



Overview



- 1. What is meant by 'cognitive' in the cognitive science of religion?
- 2. A CSR approach to rituals: Lawson and McCauley (1990) model
 a linguistic fresh view
- 3. Jewish rituals and a revision of the Lawson McCauley model



Ped:

Jewish Theological Seminary
University of Jewish Studies

 Cognitive science of religion: approaches religious phenomena as biological phenomena, viz. products of the human mind

Instead of historical phenomena, social phenomena, etc.

• Religious phenomena = everyday phenomena with a twist.

• Rituals = actions with a twist.

• Twist here: some culturally postulated superhuman agent is present.



Theological Seminary

Jewish Theological Seminary
University of Jewish Studies

- Cognitive science of religion:
- Rituals = actions with a twist.
- Action representation system:

 agent
 patient
 instrument
 place, time, beneficiary...

• Twist here: some culturally postulated superhuman agent is present.





Jewish Theological Seminary University of Jewish Studies

• Cognitive science of religion – motivation:

- (1) John broke the window with the hammer.
- (2) John broke the window.
- (3) The hammer broke the window.
- (4) The window was broken.
- (5) The window was broken by John.
- (6) The window was broken by the hammer.
- (7) The window was broken with the hammer.
- (8) * The window was broken with John.

Syntactic positions: subject, object, etc.



Semantic / thematic roles: agent, patient, etc.





- Cognitive science of religion motivation:
- Action representation system universally mirrored by human language:
 - Subject ≈ agent: wilful initiator of the action.

PSA: principle of superhuman agency

- Object ≈ patient: passive undergoer of action.
- Instrument: contributing to the result of the action without will.
- Etc. But in fact, more complex than that...

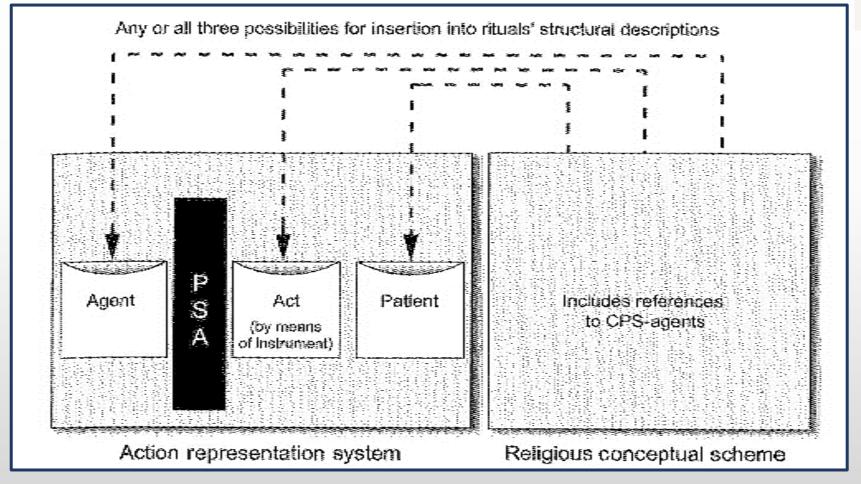


Lawson and McCauley 1990 (revised):

a model of religious rituals

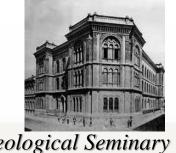


Jewish Theological Seminary University of Jewish Studies



(McCauley and Lawson 2002, p. 27.)





Jewish Theological Seminary University of Jewish Studies

- Proposed data structure: attribute-value matrices (AVMs)
- Examples:

John broke the window with the hammer.

BREAKING EVENT

AGENT

PATIENT

INSTRUMENT

hammer





Examples: a prior, enabling action → agent represented by a proxy
 A hammer, thrown by John, breaks the window.

BREAKING-EVENT				
PATIENT	wir	ndow		
INSTRUMENT	1	HAMMER		
		ENABLING	THROWING-A	CTION
			AGENT Jo	$hn \qquad \Big \Big(\Big $
			PATIENT 1	$\rfloor \rfloor \rfloor$





Jewish Theological Seminary University of Jewish Studies

• Examples: ritual = action with a twist

John feeds the child.

GIVING-ACTION

AGENT John

RECIPIENT child

PATIENT food

John offers food sacrifice to the local deity.

GIVING-ACTION

AGENT John

RECIPIENT local deity

PATIENT food



Overview



- 1. What is meant by 'cognitive' in the cognitive science of religion?
- 2. A CSR approach to rituals: Lawson and McCauley (1990) model
 a linguistic fresh view
- 3. Jewish rituals and a revision of the Lawson McCauley model



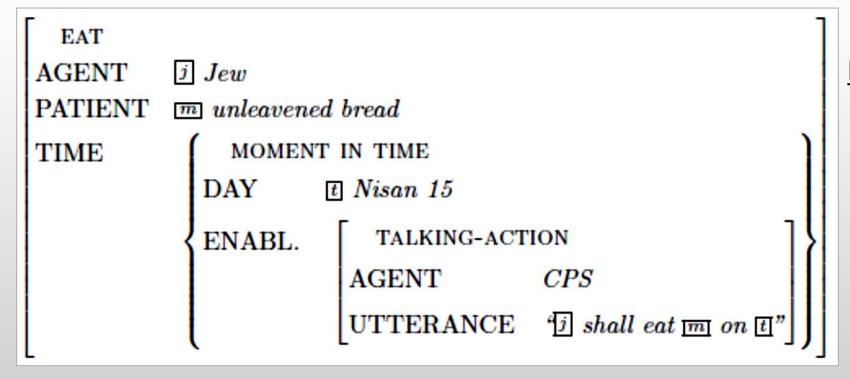


Jewish Theological Seminary University of Jewish Studies

• Examples from Judaism:

Biró (2013). 'Is Judaism boring?'

Eating matzah on the 15th of Nisan



<u>Novelties</u> with respect to the Lawson – McCauley model:

- 1. Slot for TIME.
- 2. Prior enabling narratives.
- 3. Modalities: obligation, prohibition.





Jewish Theological Seminary University of Jewish Studies

• Examples from Judaism:

Biró (2013). 'Is Judaisam boring?'

Immersion in the mikveh

Where is the superhuman agent?



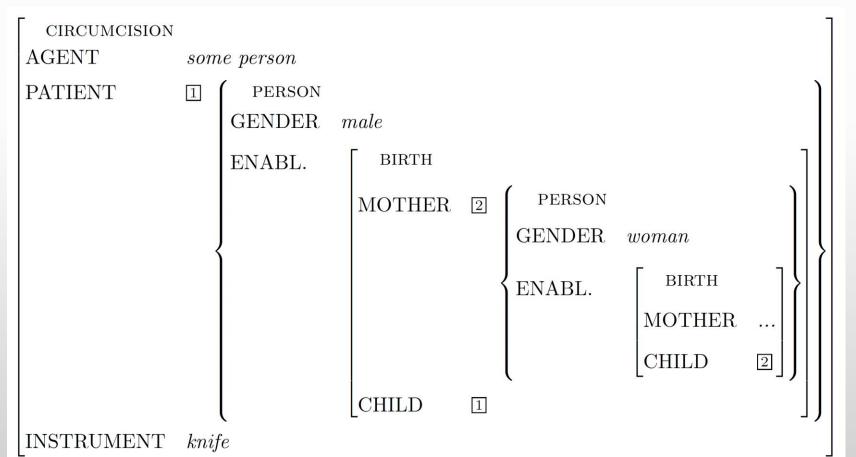


Jewish Theological Seminary University of Jewish Studies

• Examples from Judaism:

circumcision

Biró (2013). 'Is Judaisam boring?'



Halakhically correct representation

Where is the superhuman agent?





Jewish Theological Seminary University of Jewish Studies

(Biró 2013, 'Is Judaism boring?'; and elsewhere)

Lawson & McCauley 1990 applied to Judaism:

- requires references to time and place,
- requires negations for prohibitions
- requires enabling states of affairs (instead of / beside enabling rituals)
- + prior narratives(enabling non-ritualistic past actions)

Many actions considered as Jewish rituals lack a superhuman agent in their structure!



Overview



Jewish Theological Seminary University of Jewish Studies

If time permits:

Ritual dynamics according to McCauley and Lawson (2002): rabbis and rebbes.



Harvey Whitehouse



Jewish Theological Seminary University of Jewish Studies

Modes of religiosity:

- Fieldwork on Pomio Kivung in Dadul village (a cargo cult in Papua New Guinea)
- Observes a "splinter group outburst" with new high-arousal rituals.
- Doctrinal modes vs. imagistic mode.
- "The Pomio Kivung ritual system is unusual in that it includes *no* special agent rituals." (McCauley and Lawson 2002: 180)



McCauley and Lawson 2002



Jewish Theological Seminary University of Jewish Studies

Types of rituals:

• Form:

special agent

special patient special instrument

Sensual pageantry:

high



low

• Frequency:

low



high



McCauley and Lawson 2002



Jewish Theological Seminary University of Jewish Studies

Types of rituals:

• Form:

special agent

Sensual pageantry:

high

• Frequency:

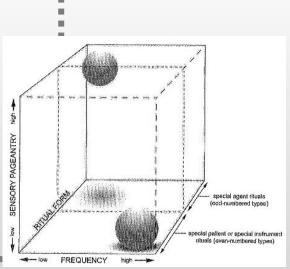
low

 \Leftrightarrow

special patient special instrument

low

high



McCauley & Lawson 2002, p. 203.







Jewish Theological Seminary

Types of ritu

• Comparable amount of both types of rituals: balanced ritual system. • Too frequent high pageantry special agent system: sensual overload.

• Too few sp. agent rituals \rightarrow "tedium effect" \rightarrow "splinter group outbursts.

• Form:

special agent

Sensual pageantry:

high

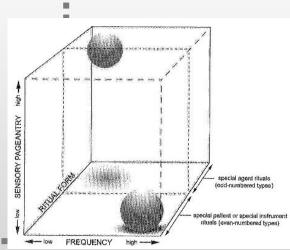
Frequency:

low

special patient special instrument

low

high



McCauley & Lawson 2002, p. 203.



Hypothesis



Jewish Theological Seminary University of Jewish Studies

Judaism lacks a balanced ritual system,

therefore:

- tedium effects?
- splinter groups?

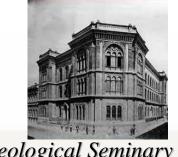


Well, yes and no.

It is more complicated than that.



"Modes of Judaism"



Jewish Theological Seminary University of Jewish Studies

- "Theologically (halakhically) correct" Judaism
 - might encode an unbalanced ritual system. Yet,
- Folk religion
 - compensating for that with other rituals and beliefs.
- Folk interpretations of Judaism
- "Splinter groups" with charismatic leaders as a "proxy" for the divine introducing new rituals and interpretations.
- Revising the McCauley Lawson theory is also an option.



The hasidic tish:



Jewish Theological Seminary University of Jewish Studies

• A high-arousal and special-agent GIVING-EVENT.



GIVING EVENT

AGENT RECIPIENT LPATIENT rebbe hasid food _



Source: https://commons.wikimedia.org/wiki/File:Boyan_tish, Sukkot 2009.jpg

https://commons.wikimedia.org/wiki/File:%D7%94%D7%A8%D7%91%D7%99 %D7%9E%D7%91%D7%95%D7%98%D7%95%D7%A9%D7%90%D7%9F %D7%91%D7%95%D7%98%D7%98%D7%99%D7%95%D7%A8%D7%99%D7%96%D7%95%D7%96%D7%95%D7%96



The changing / re-interpreted role of the contemporary rabbi

Jewish Theological Seminary University of Jewish Studies

- Is the rabbi a "Jewish priest"?
- Is the rabbi a "Jewish phd"?







- Priestly blessing pronounced by post-war non-orthodox Hungarian rabbis:
 - József Schweitzer (1922-2015)
 - Alfréd Schöner (1948-)
 - István Darvas (1974-)

special instrument





Fortepan, nos. 105190, 114484, 114336, 114314



Overview



- 1. What is meant by 'cognitive' in the cognitive science of religion?
- 2. A CSR approach to rituals: Lawson and McCauley (1990) model
 a linguistic fresh view
- 3. Jewish rituals and a revision of the Lawson McCauley model

Summary



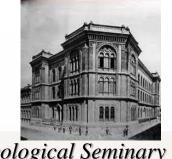
Summary



- 1. A revision of the Lawson and McCauley model, with AVMs proposed as the data structures to encode rituals (and much more)
- 2. Novel approaches to the interpretation of Judaism and its history.
- 3. Future work for CSR:
 - model applied to / tested on / refined on more religions +
 - + algorithms for manipulating these data structures + connection
 - to other higher and lower cognitive functions + implementations +
 - + learnability (ontogeny) + evolution 1 (history) + evolution 2 (phylogeny).



Rituals Between Mind and Society 2021 4-5 November 2021



Jewish Theological Seminary University of Jewish Studies

Thank you for your attention!

Tamás Biró

tamas.biro@btk.elte.hu, http://birot.web.elte.hu/

ELTE Eötvös Loránd University

birot@or-zse.hu, http://www.or-zse.hu/

Jewish Theological Seminary – U. of Jewish Studies