



Disciplinary dynamics in emerging social neurosciences and neuroeconomics

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Research Goals



- Investigation of the disciplinary impact of social neurosciences and neuroeconomics
- Investigation of its relation to established disciplines interested in human behavior
- Identifying key persons and their institutional affiliation
- Analyzing the correlation of fields of publications and citations
- Consider the existence of target Journals



Research Questions

1. Question : Are the young „neuro“- disciplines more than just a hype in applied social sciences?
2. Question: Where lies the origin of social neurosciences and what are its “root - disciplines” e.g. psychology, medical sciences, biology, psychiatry ?
3. Question: What is the impact of social neuroscience? Are there differences between social neuroscience/neuroscience of ethics and neuroeconomics due to areas of publications and areas of citation?



Definitions

Neuroscience and Human Social Behavior

Understood as an interdisciplinary approach investigating social interactions with neuroscientific methods

Disciplinary Differentiation and Research Topics:

Social Neuroscience: *Empathy, Emotions, Theory of Mind*

Neuroscience of Ethics: *Moral Reasoning, Moral Behavior, Justice*

Neuroeconomics: *Decision Making, Trust, Fairness, Cooperation*



Question 1

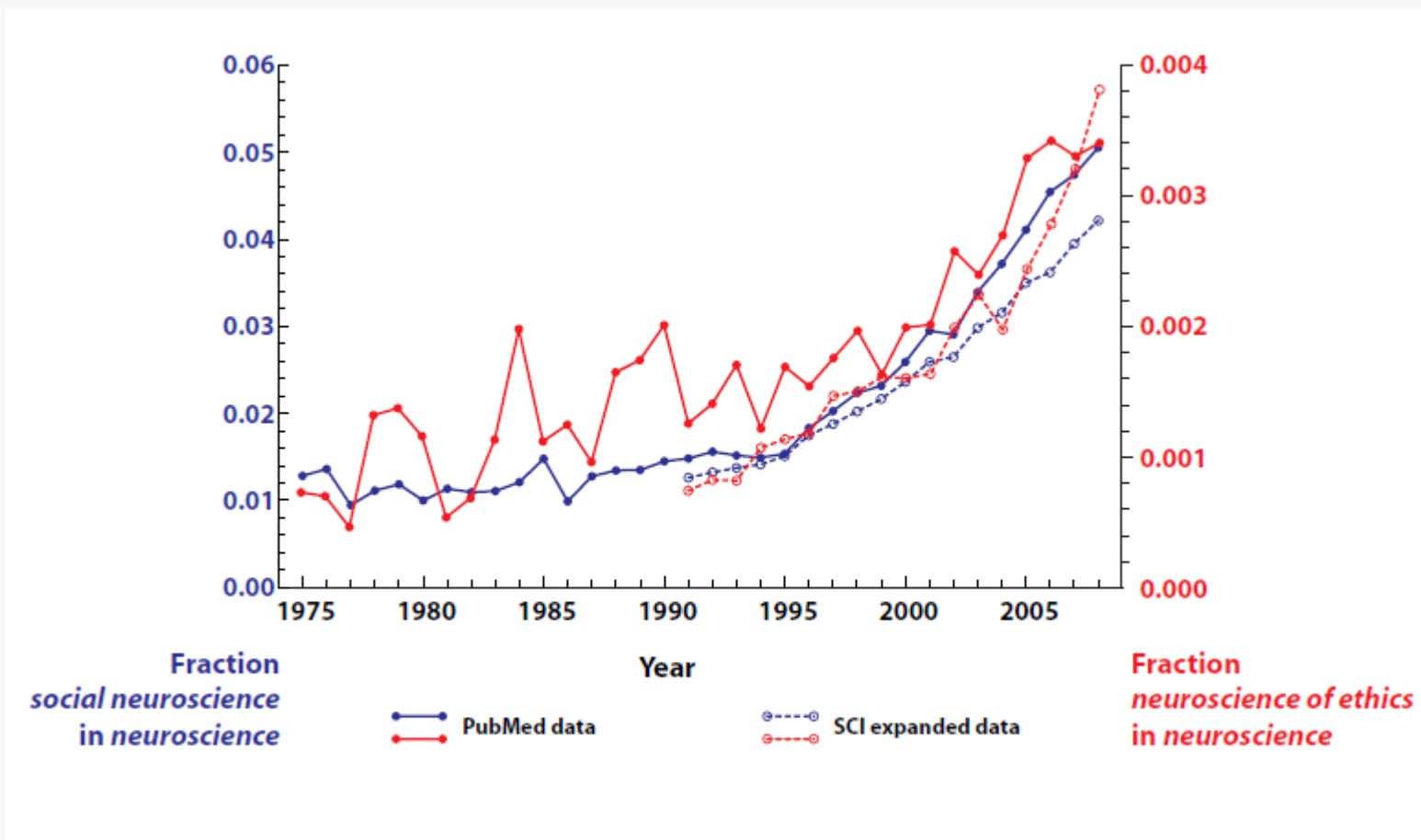
Hype or Hope?

Importance of social neuroscience due to:

- Increase of publications
- Change in use of Methods

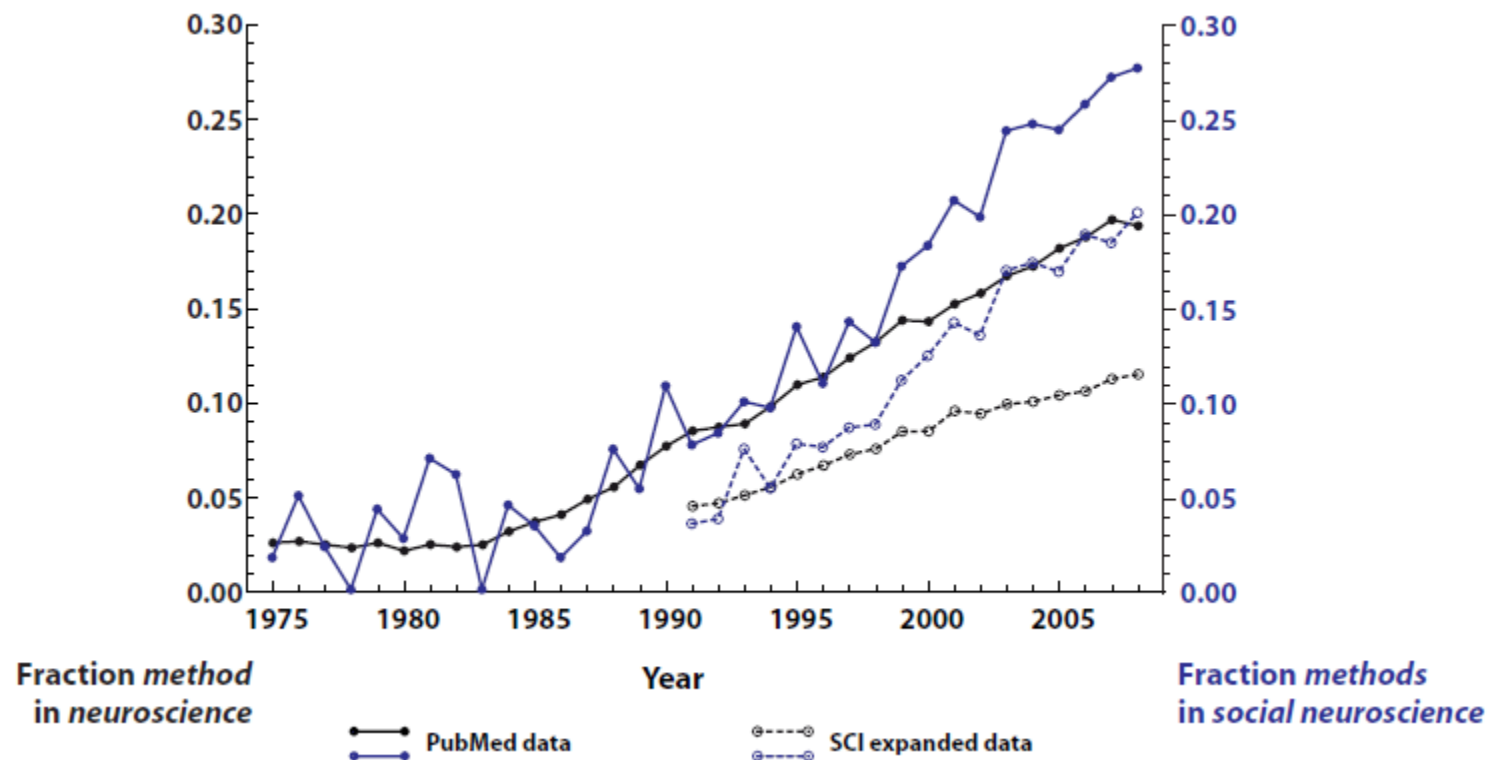


Question 1





Question 1





Question 2

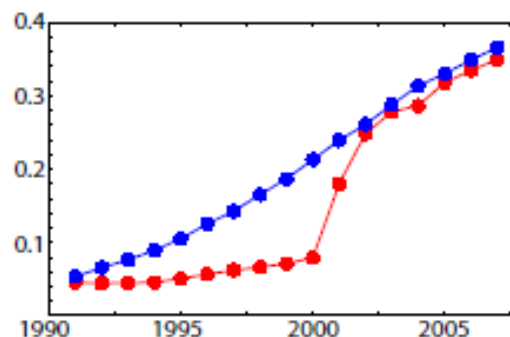
Evolutionary or Revolutionary?

Disciplinary Development of social neuroscience due to:

- Research topics (Functions, Mechanisms, Emotions, brain regions)
- Methods

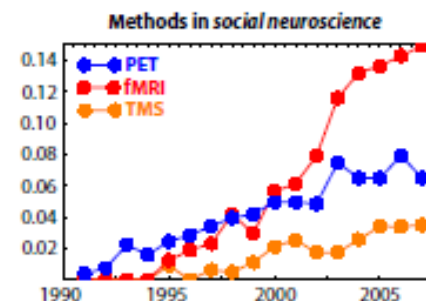
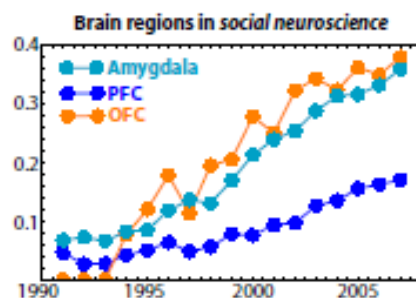
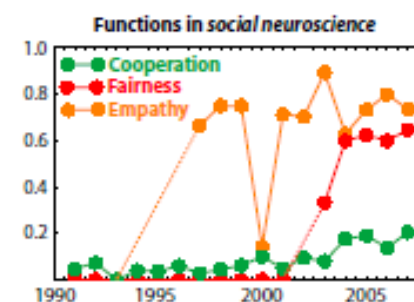
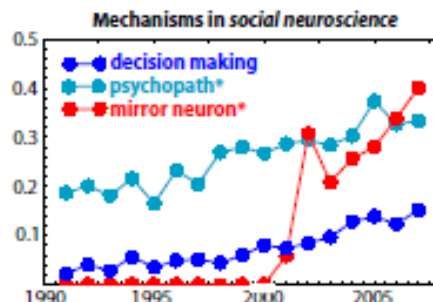
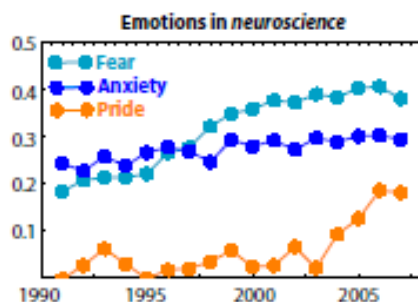


Question 2



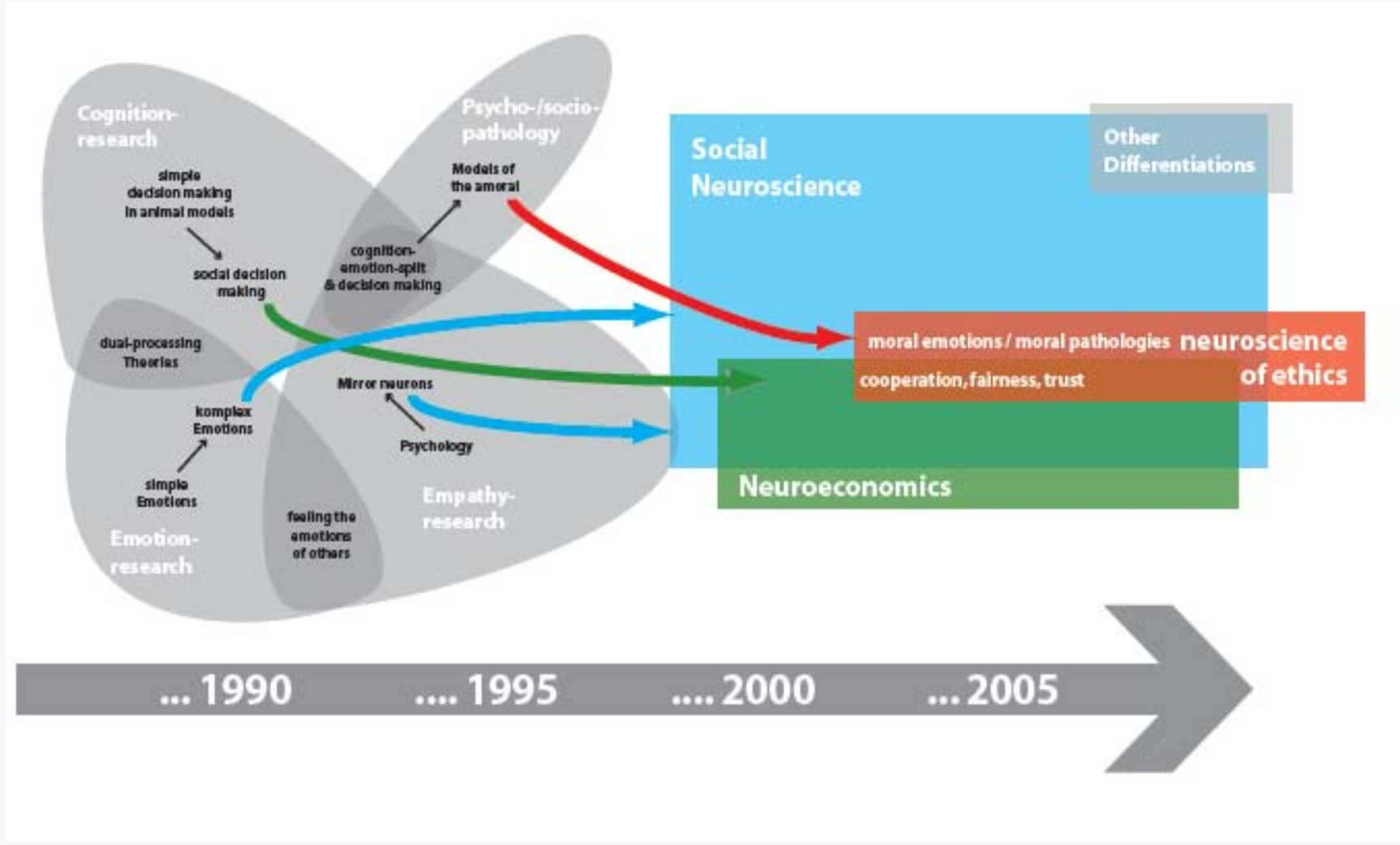
Type 1: evolutionary
steady increase of topics (probably within disciplines)

Type 2: revolutionary
sudden interest in topics (probably taken from other disciplines)





Question 2





Question 3

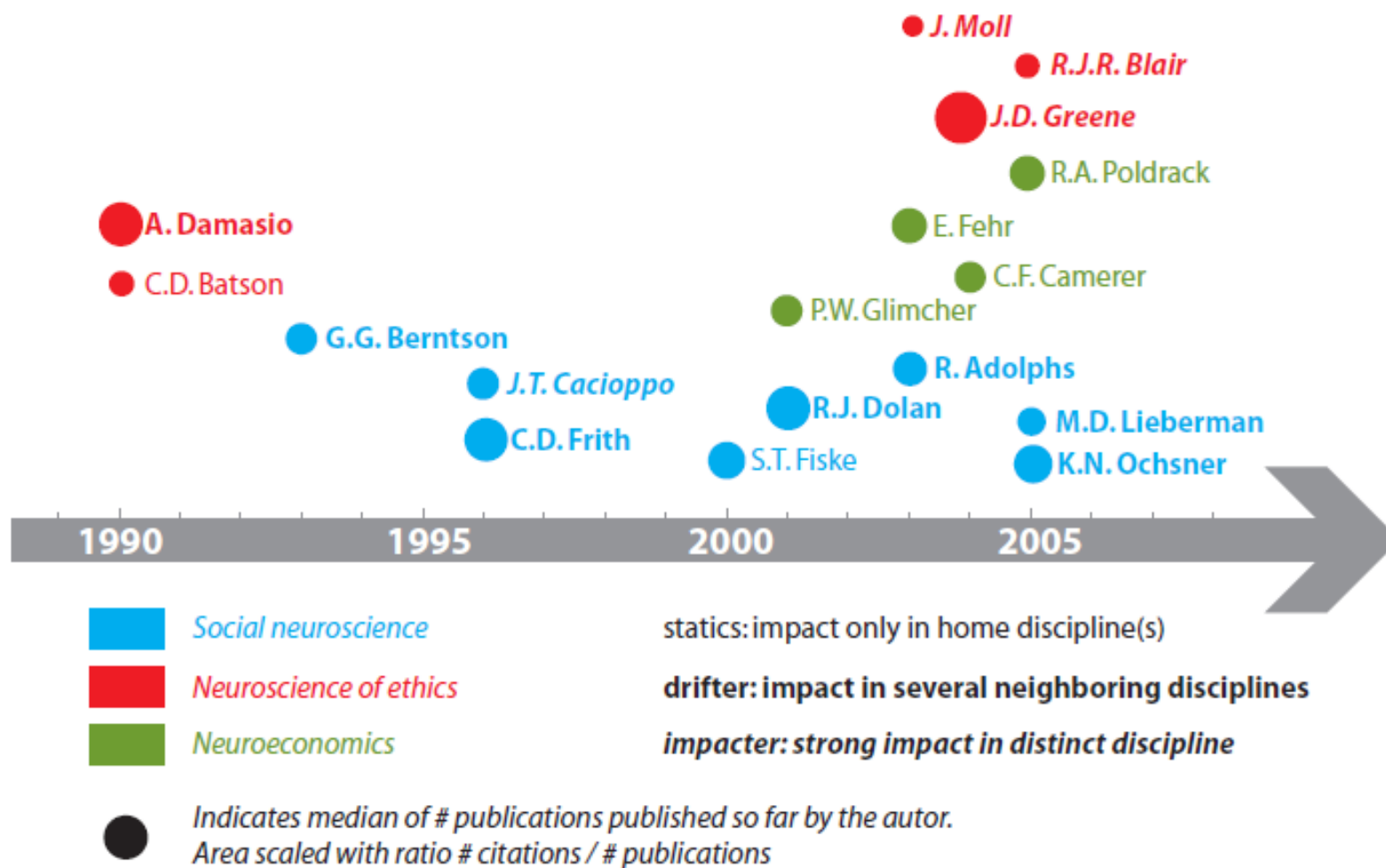
Inter- or Intra-disciplinary impact?

Impact of social neuroscience due to:

- key authors
- comparison of publication and citation activities



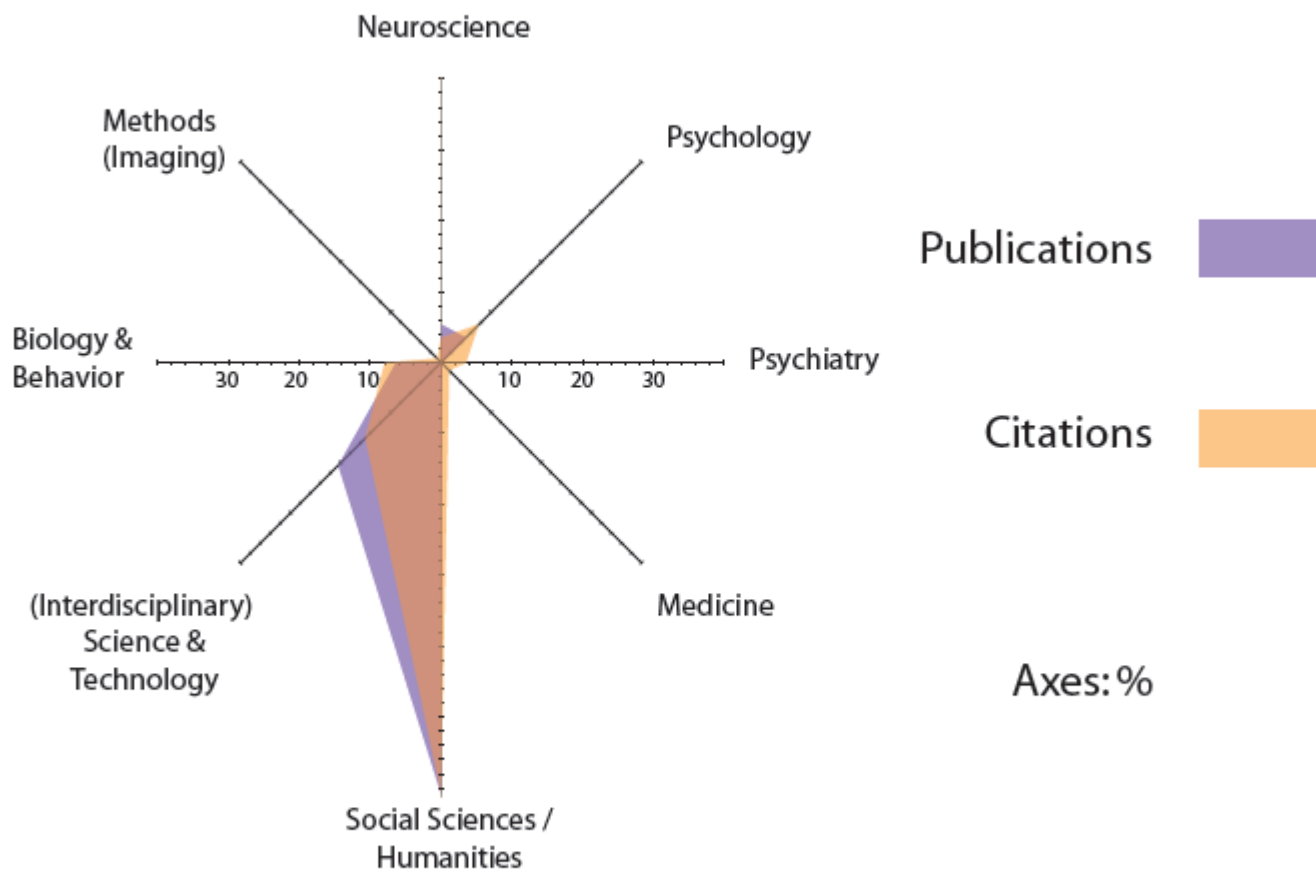
Question 3





Question 3

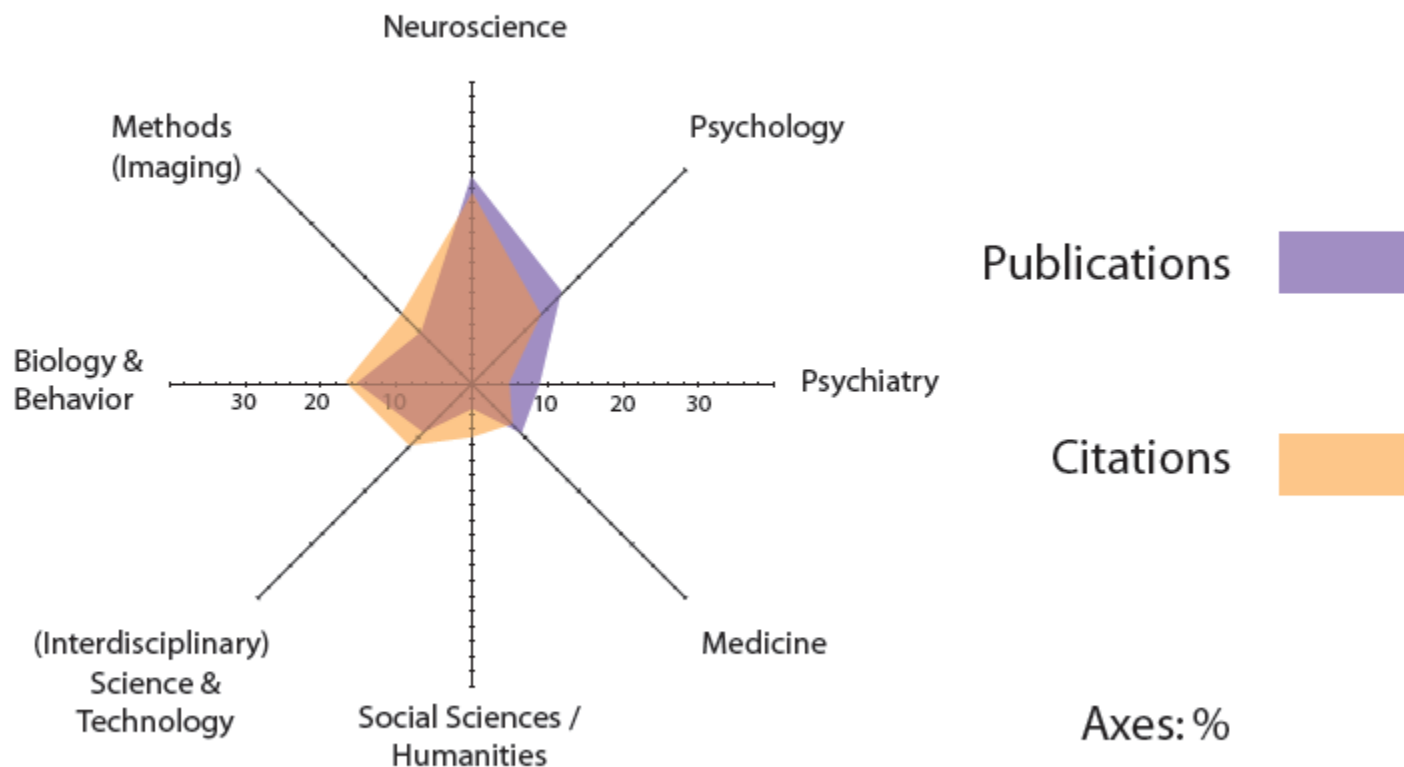
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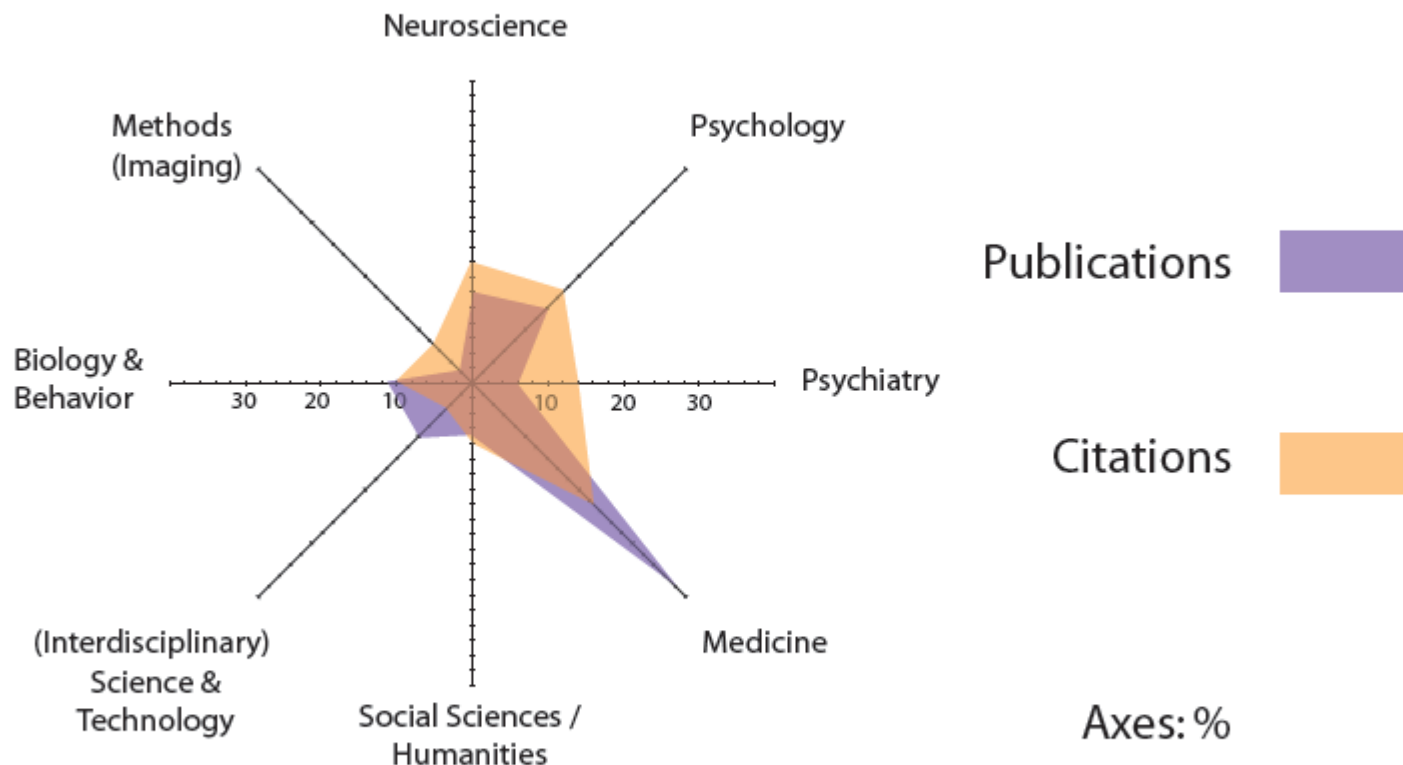
Impact Analysis P.W. Glimcher / R.A. Poldrack





Question 3

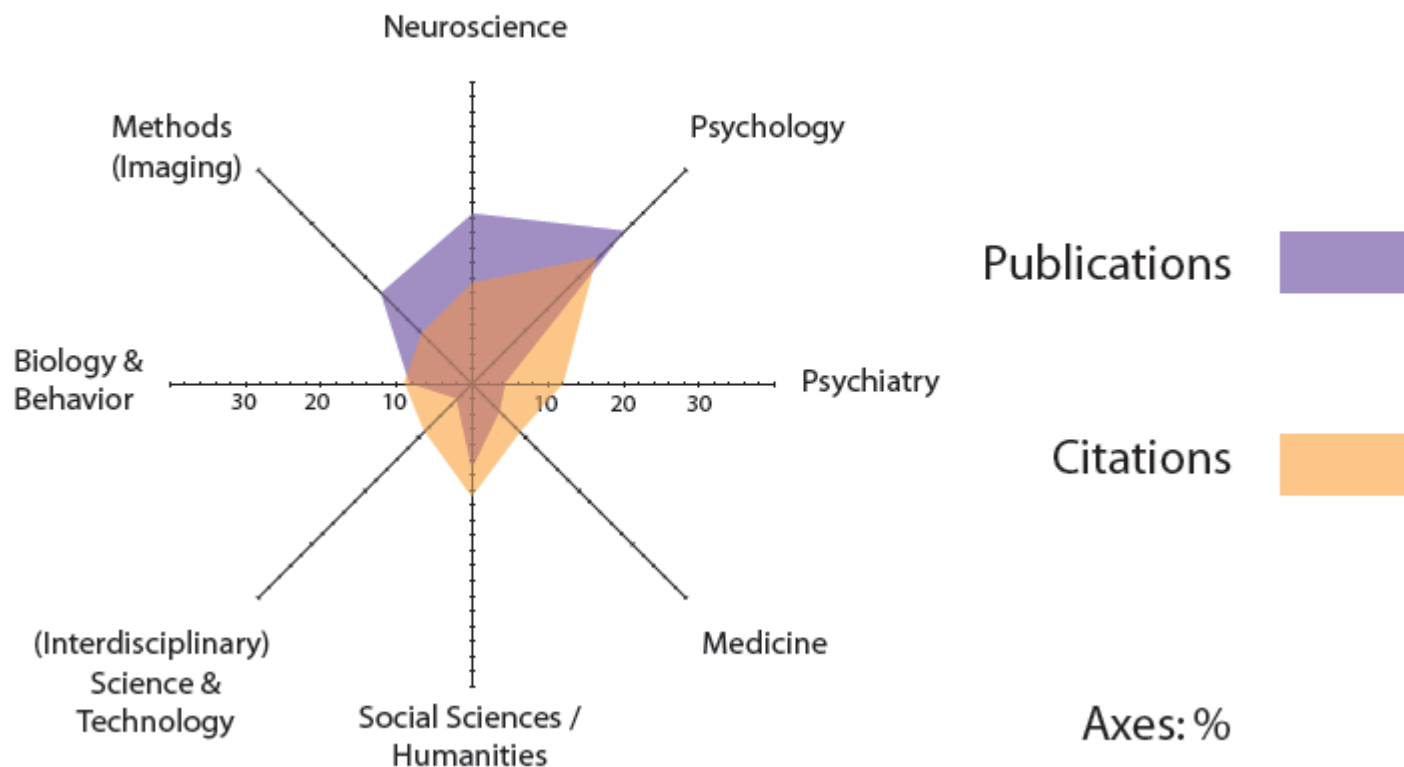
Impact Analysis A. Damasio





Question 3

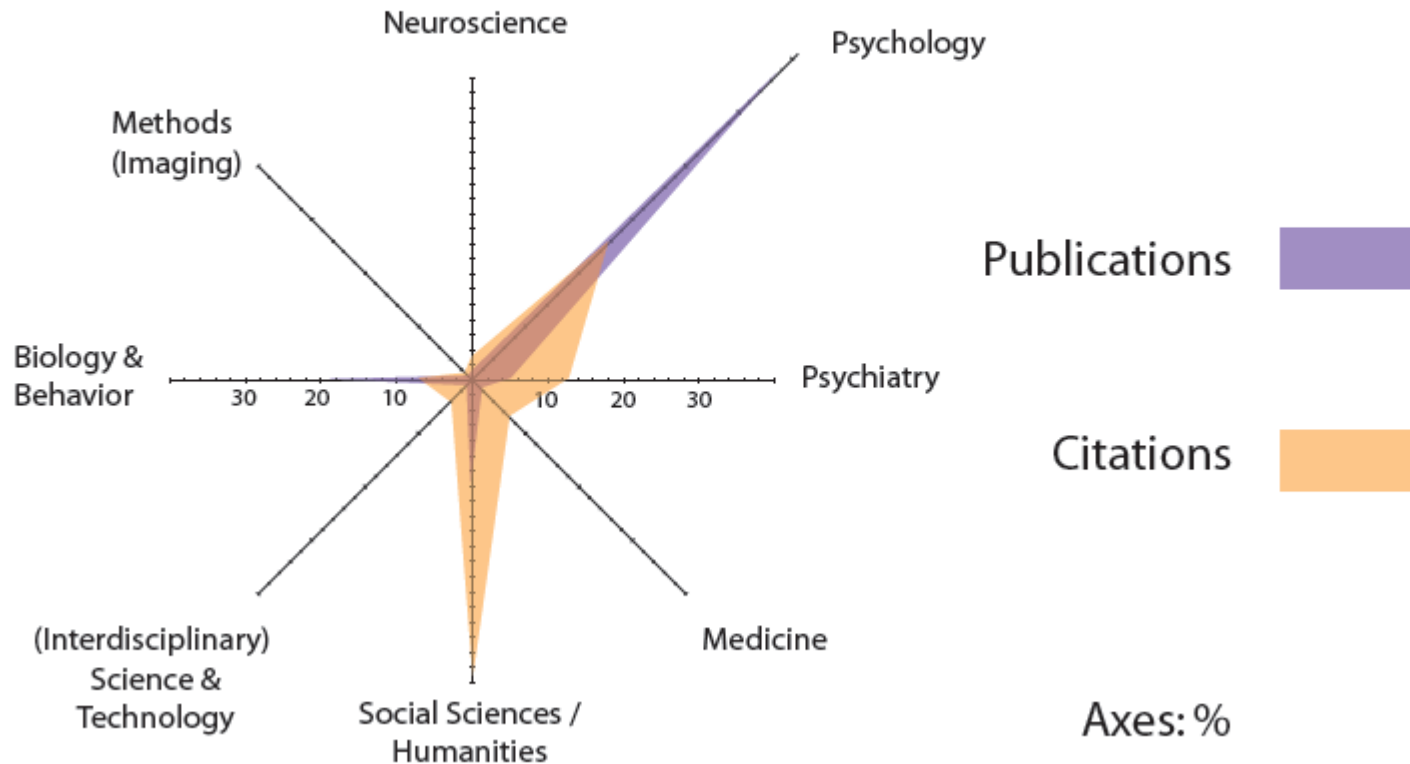
Impact Analysis M.D. Lieberman / K.N. Ochsner





Question 3

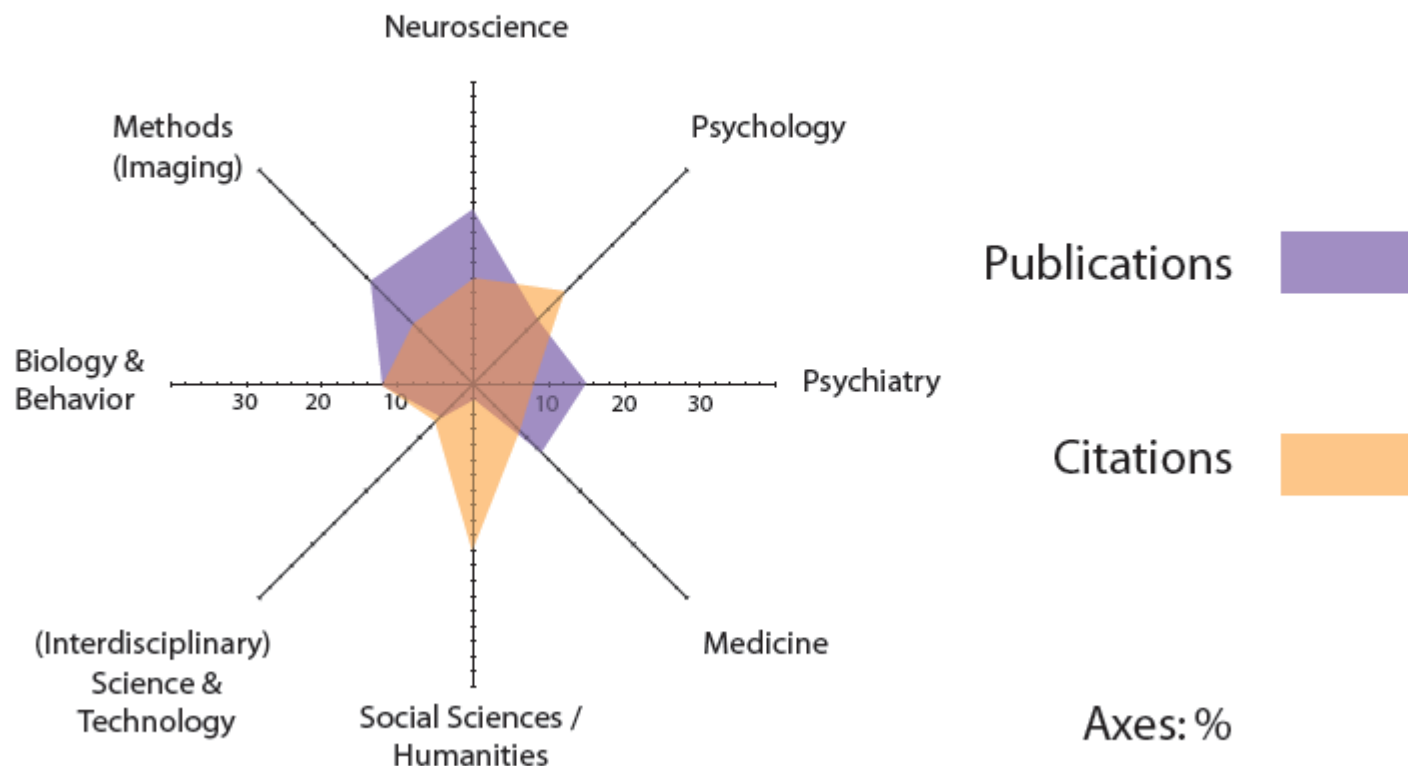
Impact Analysis J.T. Cacioppo





Question 3

Impact Analysis J. Greene / J. Moll





Thank You!