PhD highlights poster, final EPI conference

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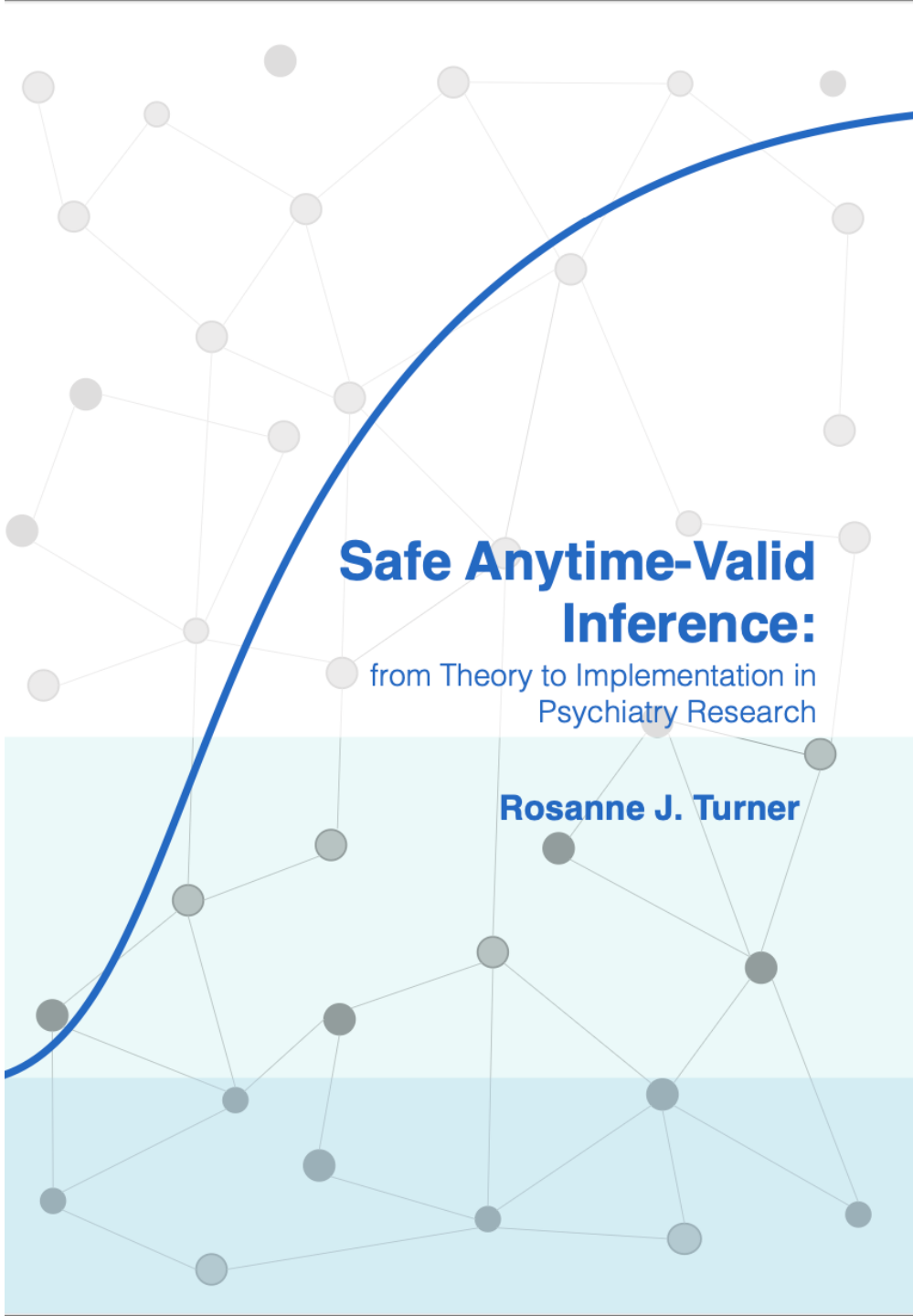
Work for this PhD project was carried out at

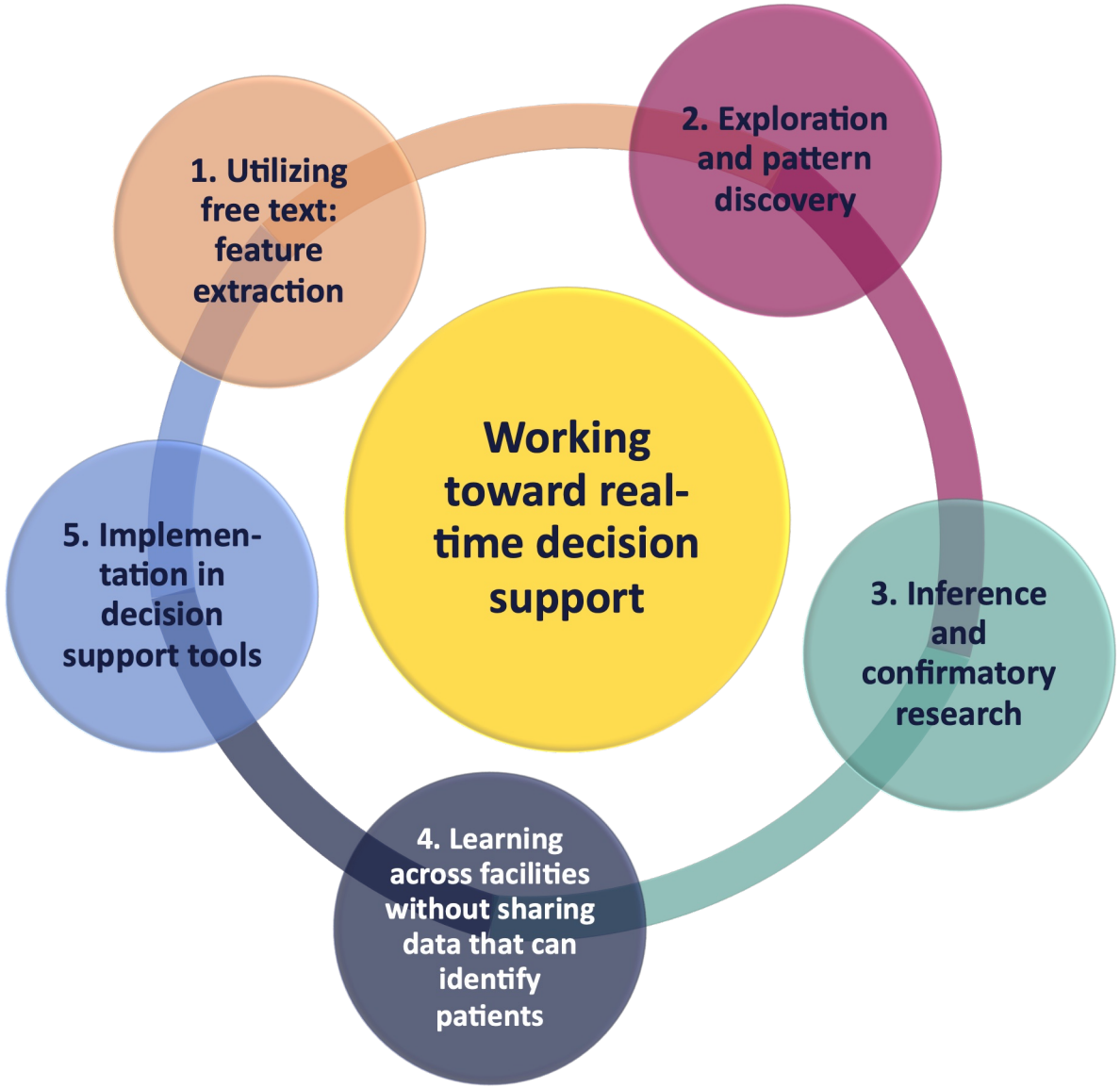
UMC Utrecht

CWI

PSY DATA

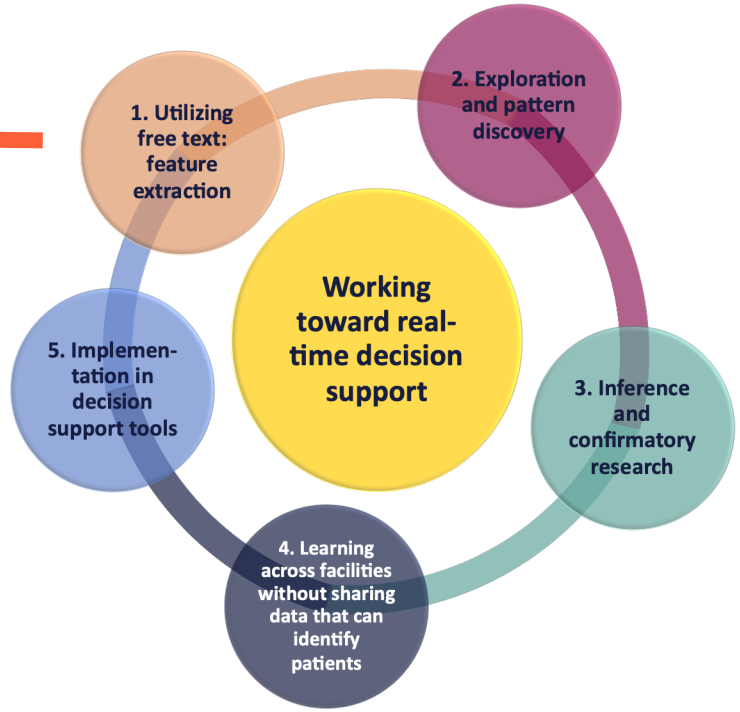
Centrum Wiskunde & Informatica



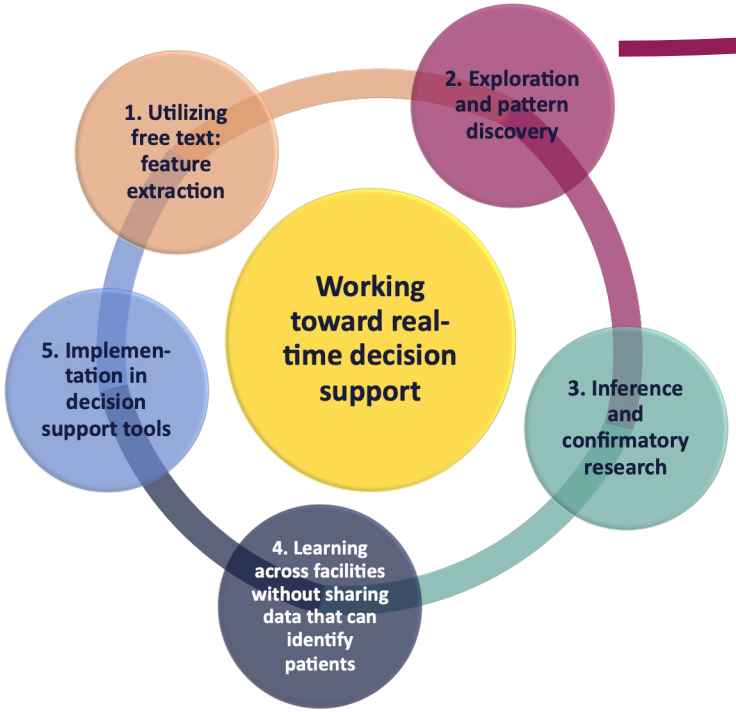

1. Utilizing free text: feature extraction
2. Exploration and pattern discovery
Working toward real-time decision support
3. Inference and confirmatory research
4. Learning across facilities without sharing data that can identify patients
5. Implemen-tation in decision support tools

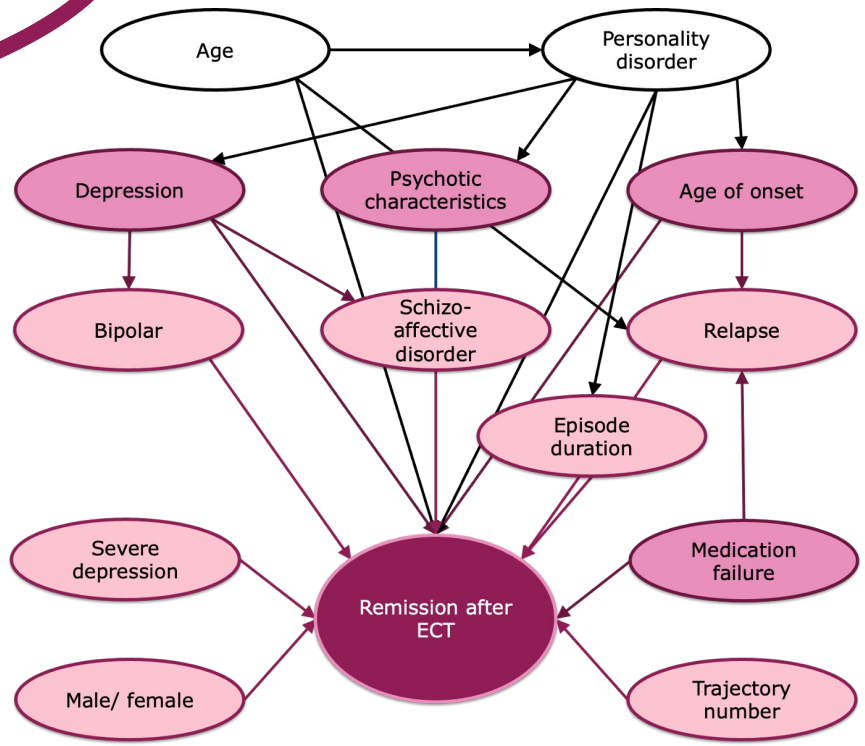
1. Feature extraction from routinely written clinical text
Tools: MedCAT, SpaCy, Prodigy, PsyNLP (rule-based context detection)

"Patient was admitted with ***severe anxiety***"



2. Pattern discovery and exploration with network analysis





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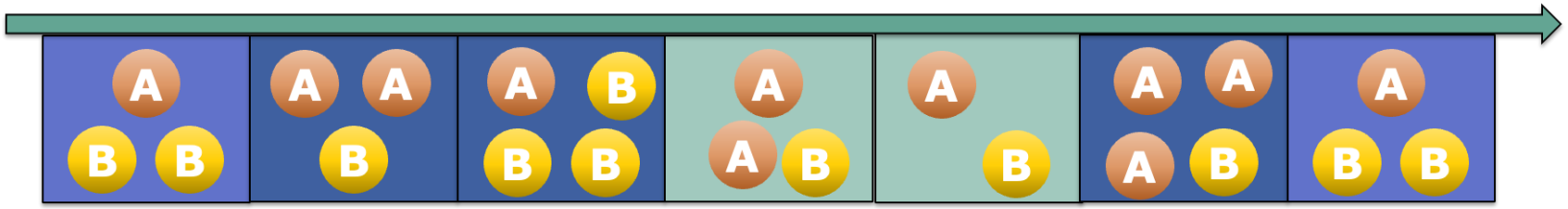
3. Inference and confirmatory research How to deal with (near) real-time study data?



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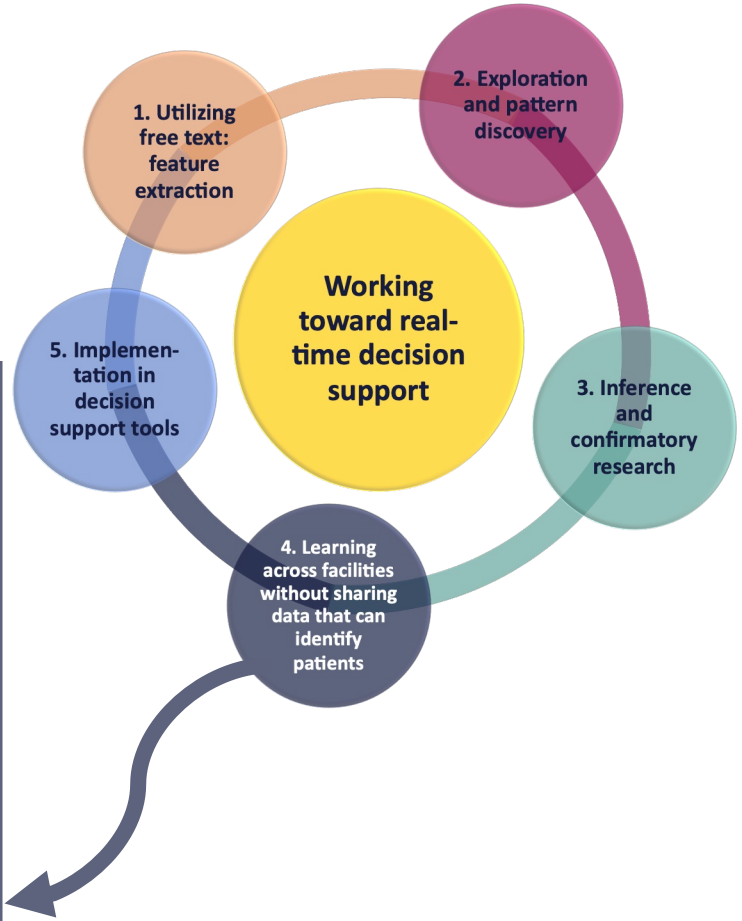
4. Let algorithms visit data on separate locations and combine at central location.

One of my current goals as data scientist at PsyData UMCU: implement durable infrastructure for federated learning across multiple mental



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5. Goal: from validation studies to implementation in routine clinical care

Current work at UMC Utrecht: decision