Great Learning
POWER AHEAD

Welcome! We will begin shortly

From Insights to Impact

Transforming Industries with Data Science

Learning Outcomes

- Discover different problems spaces in various industries
- Understand the problems involved & the key questions
- Explore how data can used to solve problems
- Get an idea of what a data-driven approach looks like

Guidelines

Listen only mode

Ask questions at the interest of the larger audience

FAQ

Questions in the Q&A Box

Thank you

Kindly utilize the chat box for **subject-relevant questions only** to maximize your learnings from the session.
Your **questions** are being managed by the academic team, and they will be **answered**

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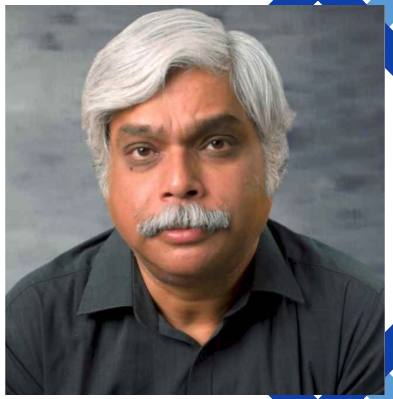
Meet Your Speaker



Dr. Abhinanda Sarkar
Academic Director at Great Learning

- Alumnus - Indian Statistical Institute, Stanford University
- Faculty - MIT, Indian Institute of Management, Indian Institute of Science
- Experienced in applying probabilistic models, statistical analysis and machine learning to diverse areas
- Certified Master Black Belt in Lean Six Sigma and Design for Six Sigma in GE

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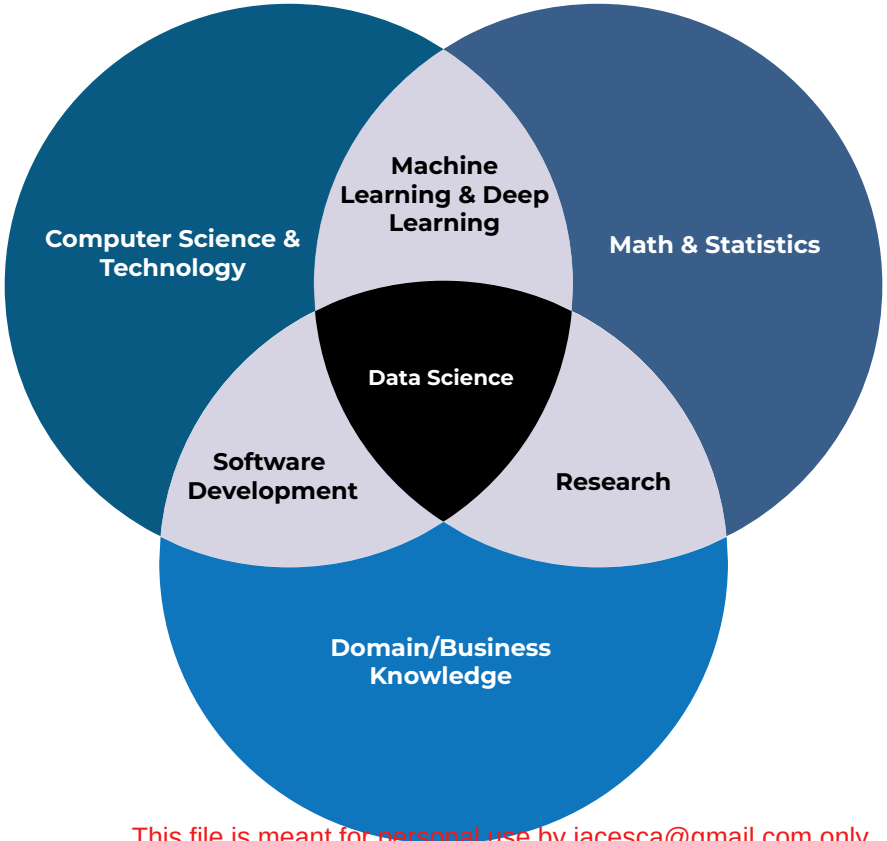
Let’s begin by defining data science...



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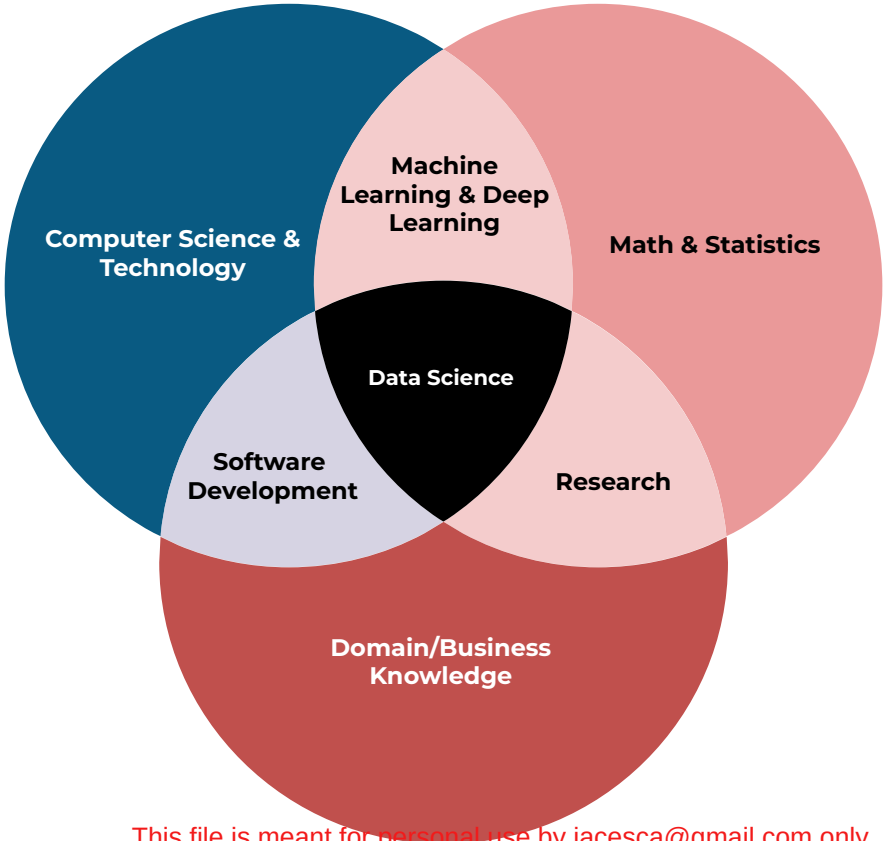

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Problem Space - Retail Industry

retail

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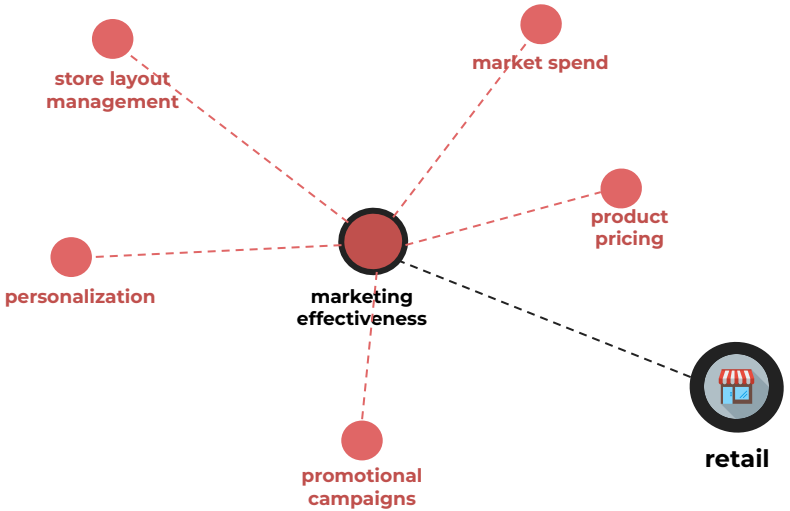

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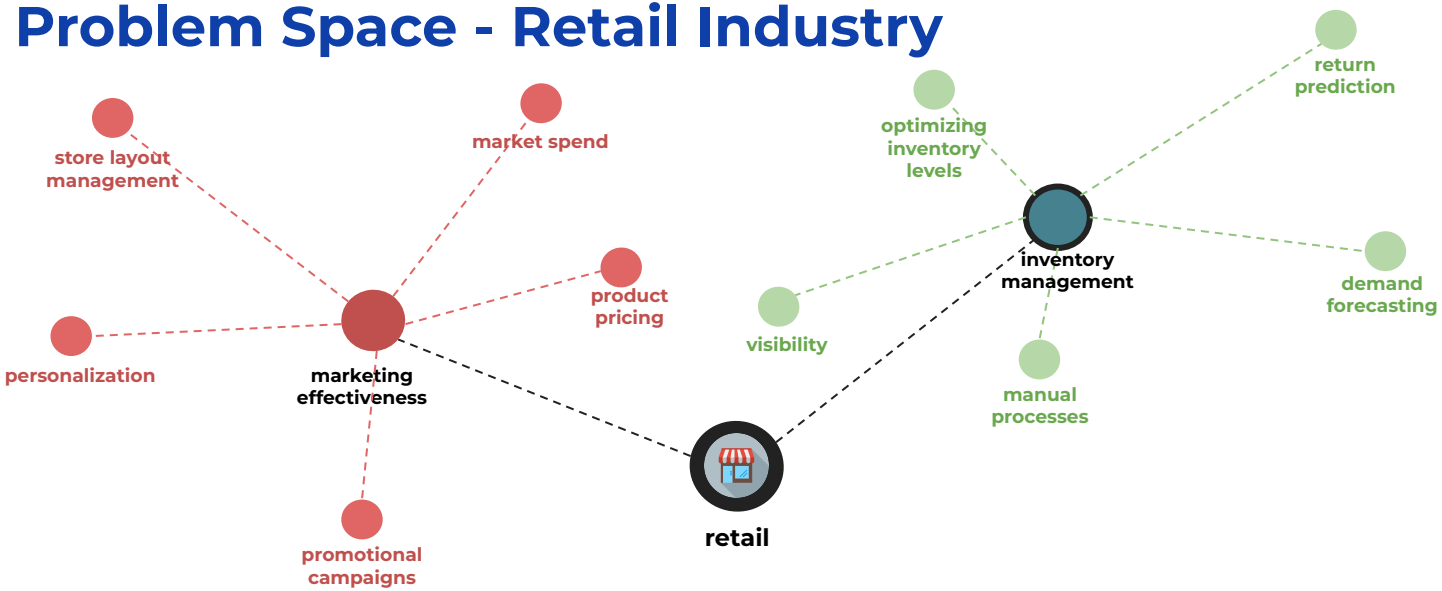

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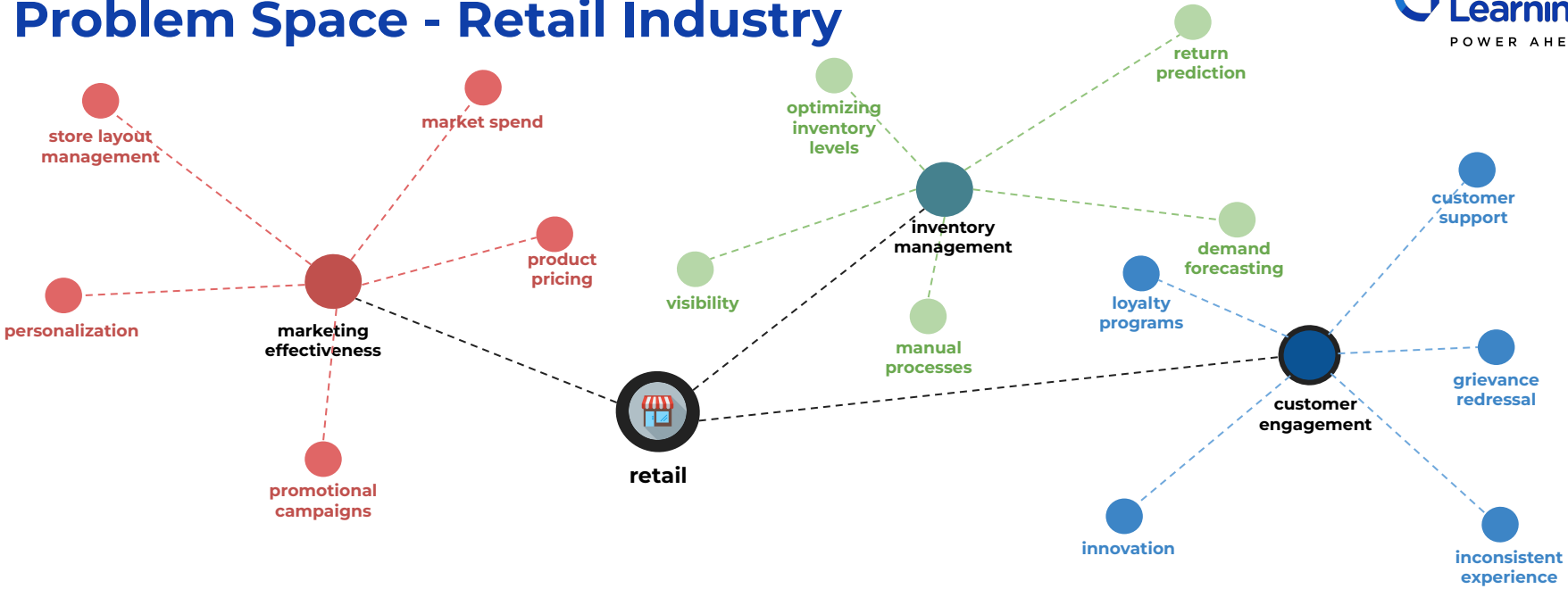

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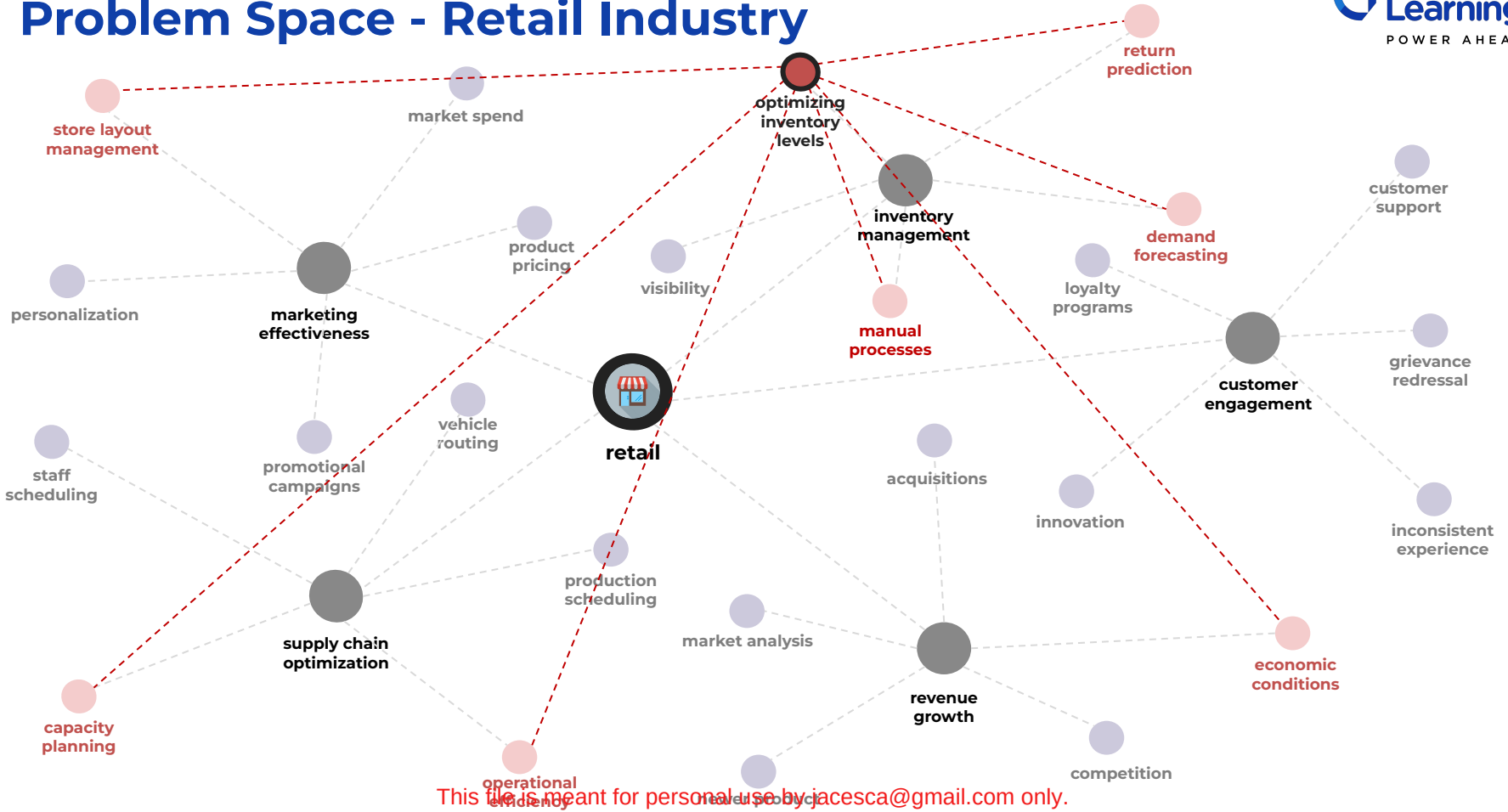

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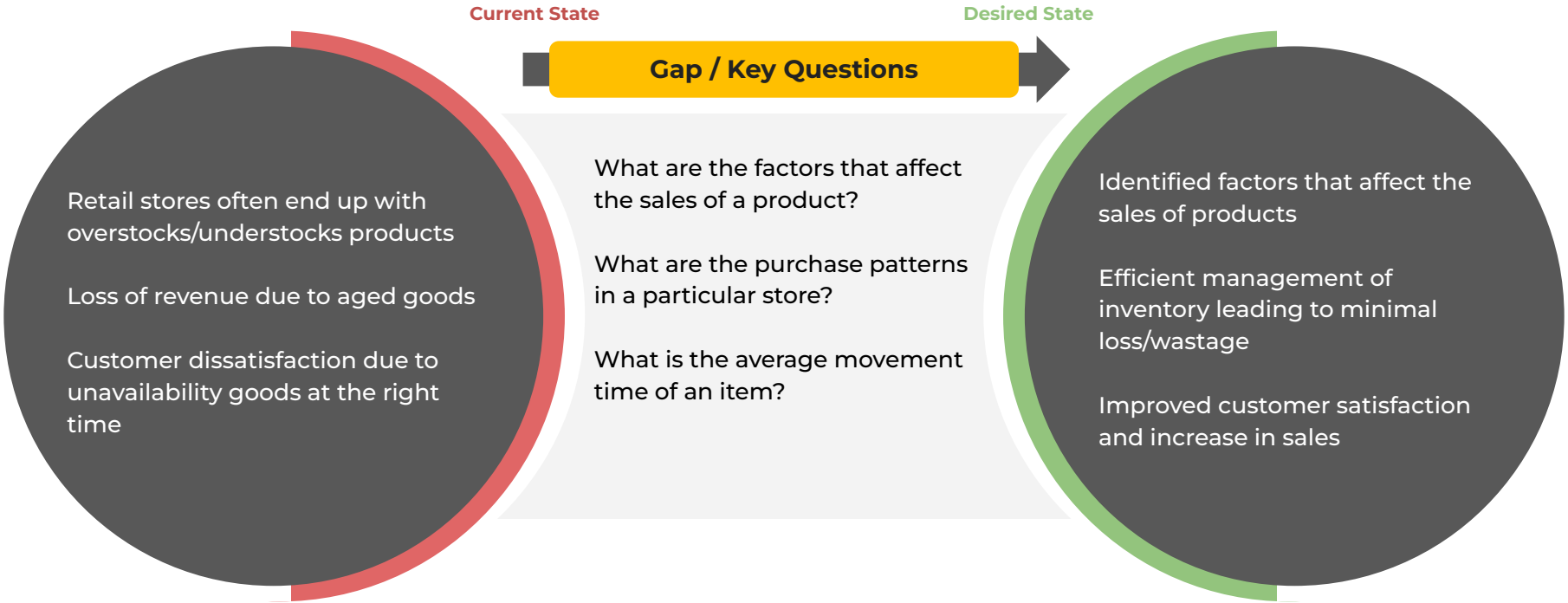
Optimizing Inventory Levels



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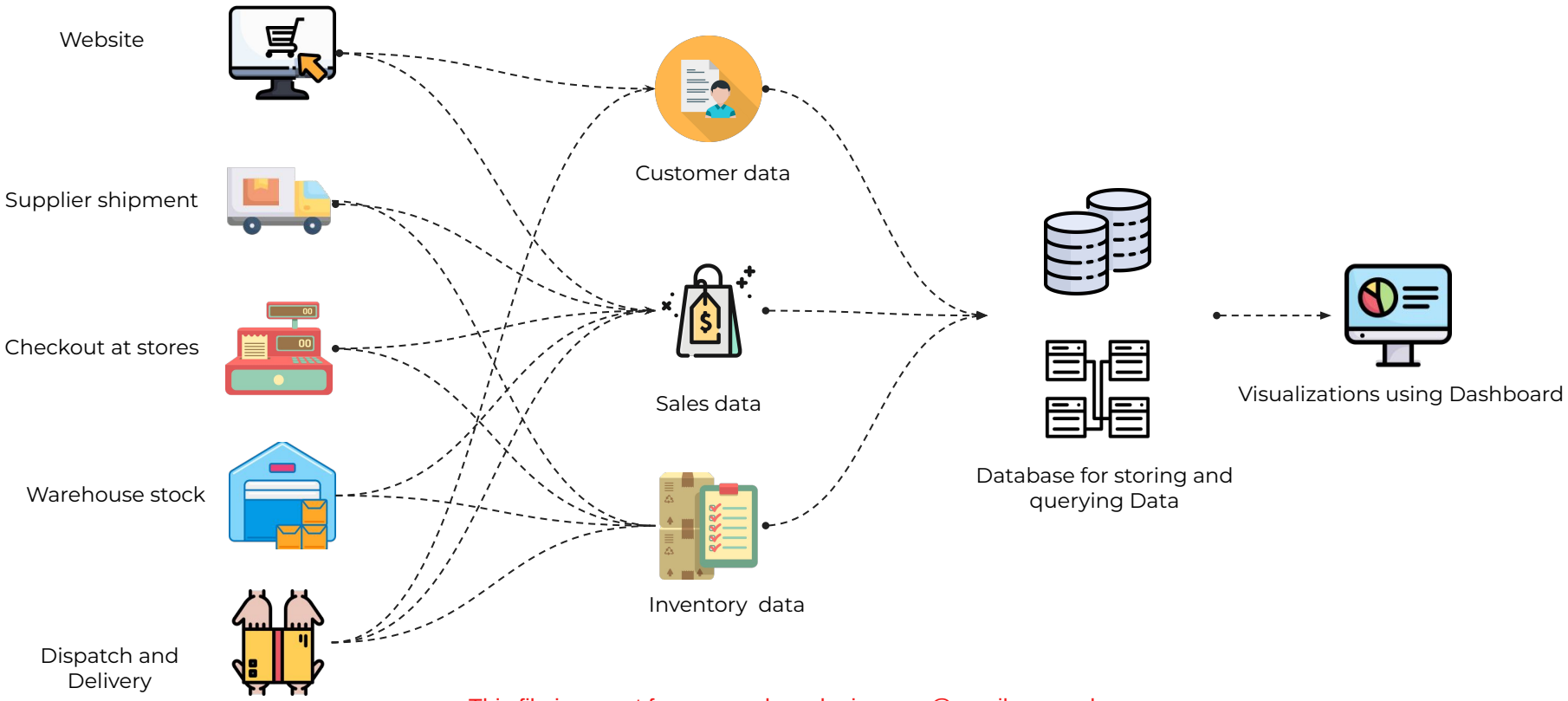
Optimizing Inventory Levels - Approach



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Optimizing Inventory Levels - Approach

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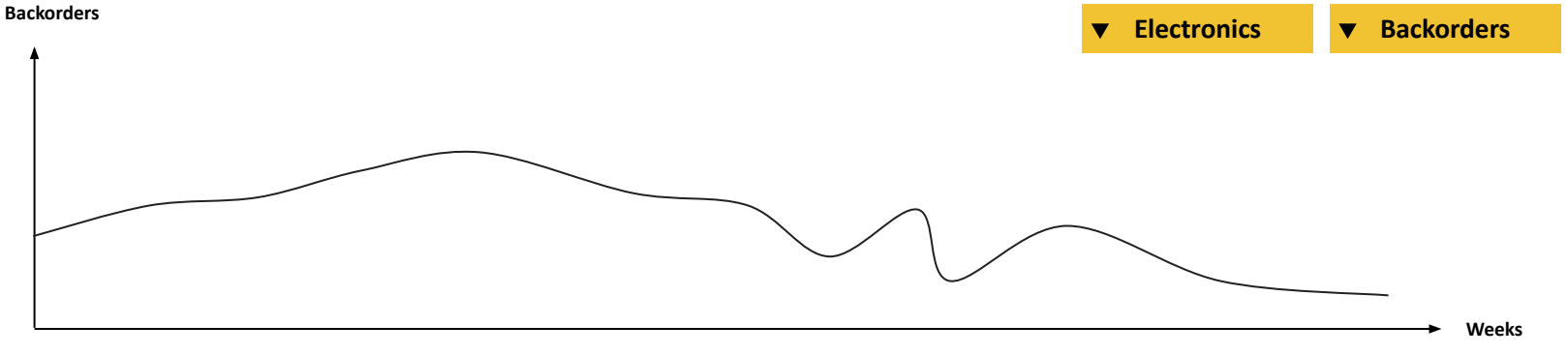
Dashboard Title: Weekly Inventory Trend (Overview)

Weekly Inventory Turnover	Weekly Stockout Rate	Weekly Backorders
WoW	WoW	WoW



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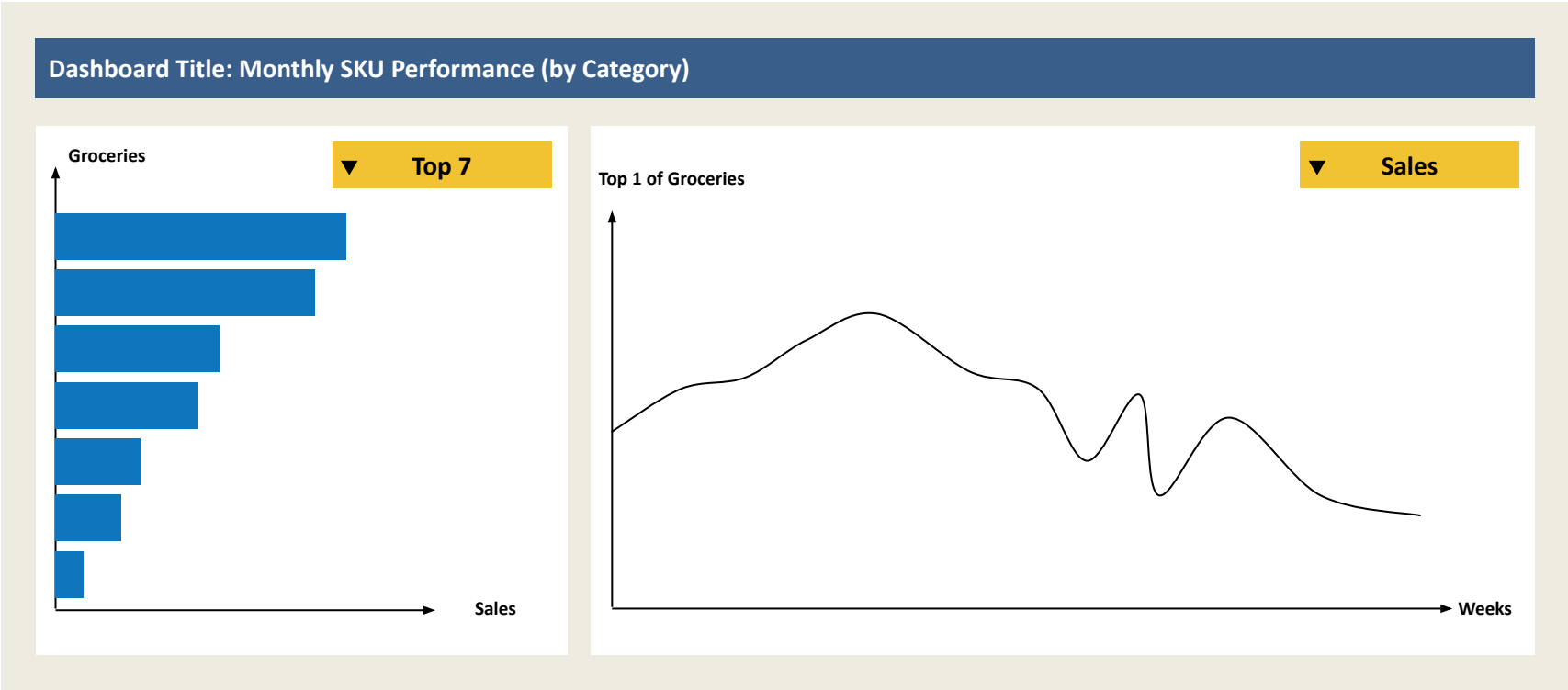
Optimizing Inventory Levels - Approach



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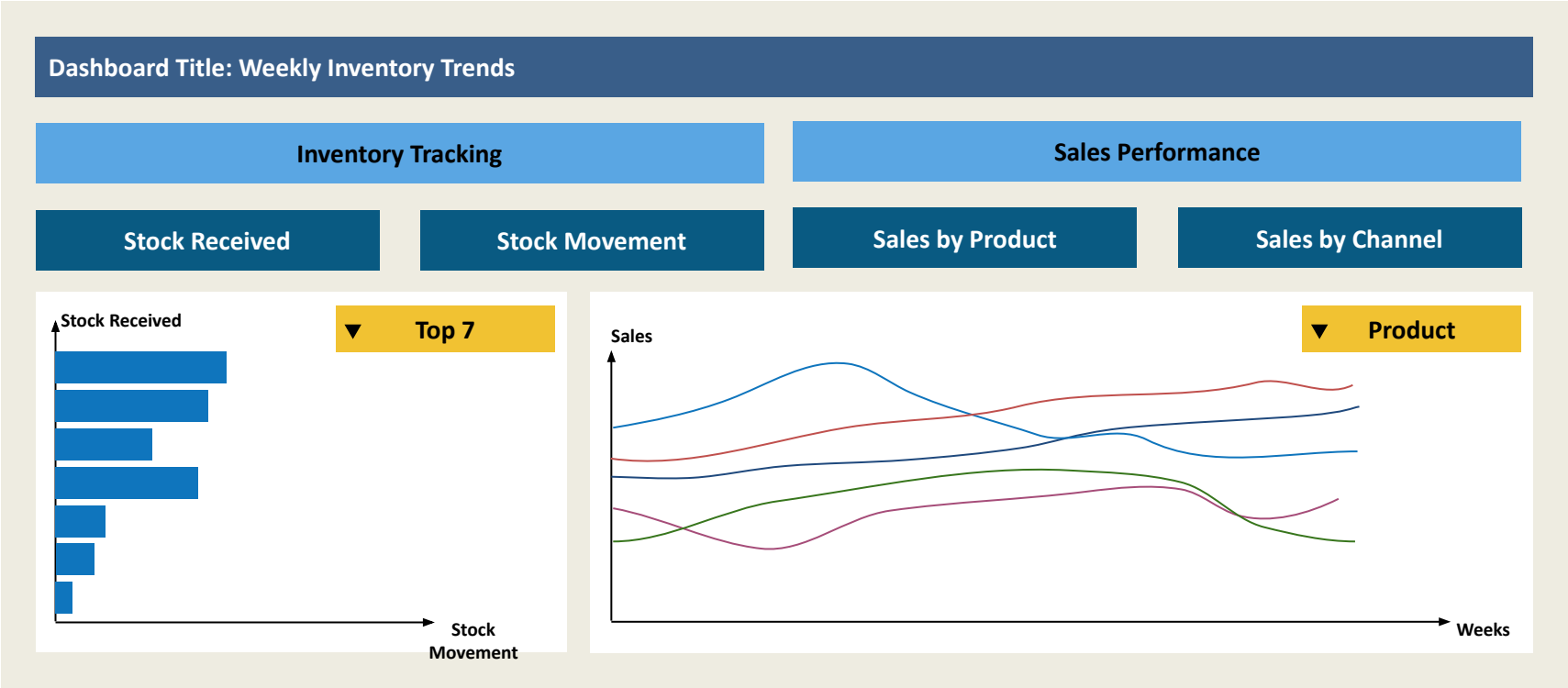
Optimizing Inventory Levels - Approach



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Problem Space - Healthcare Industry

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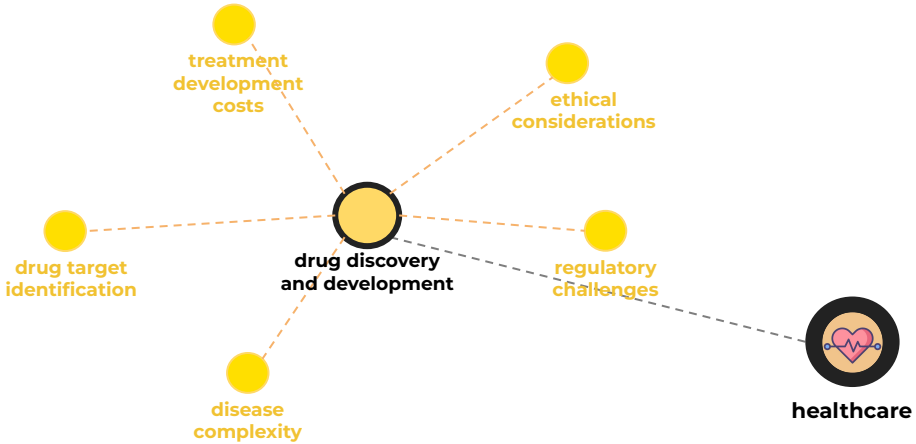
Problem Space - Healthcare Industry



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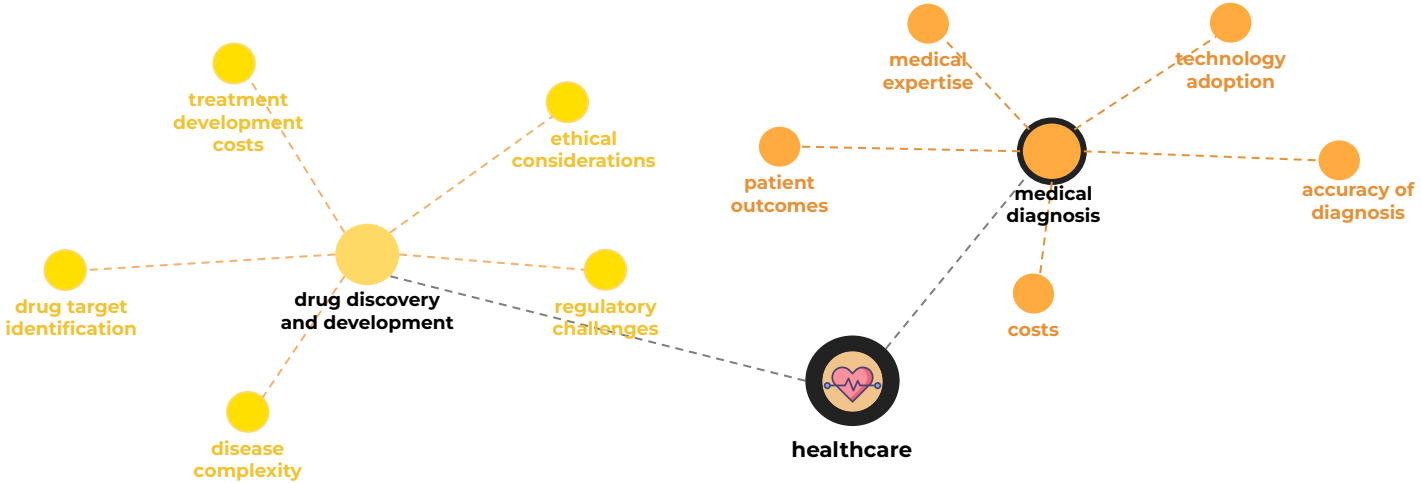

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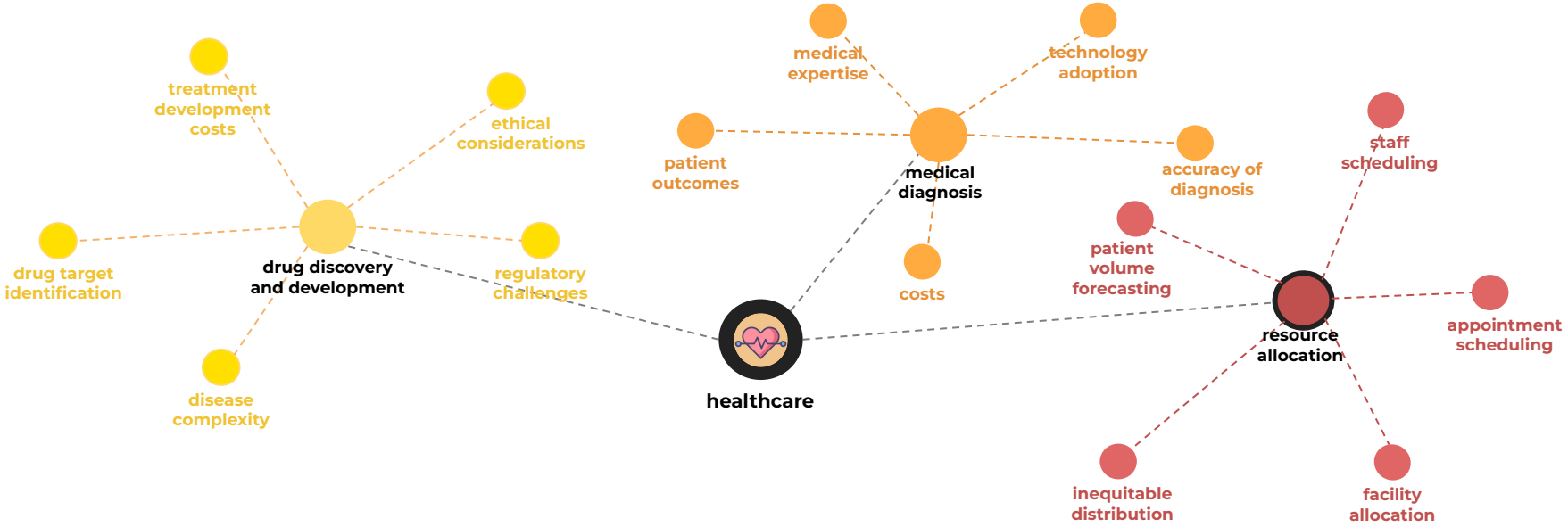

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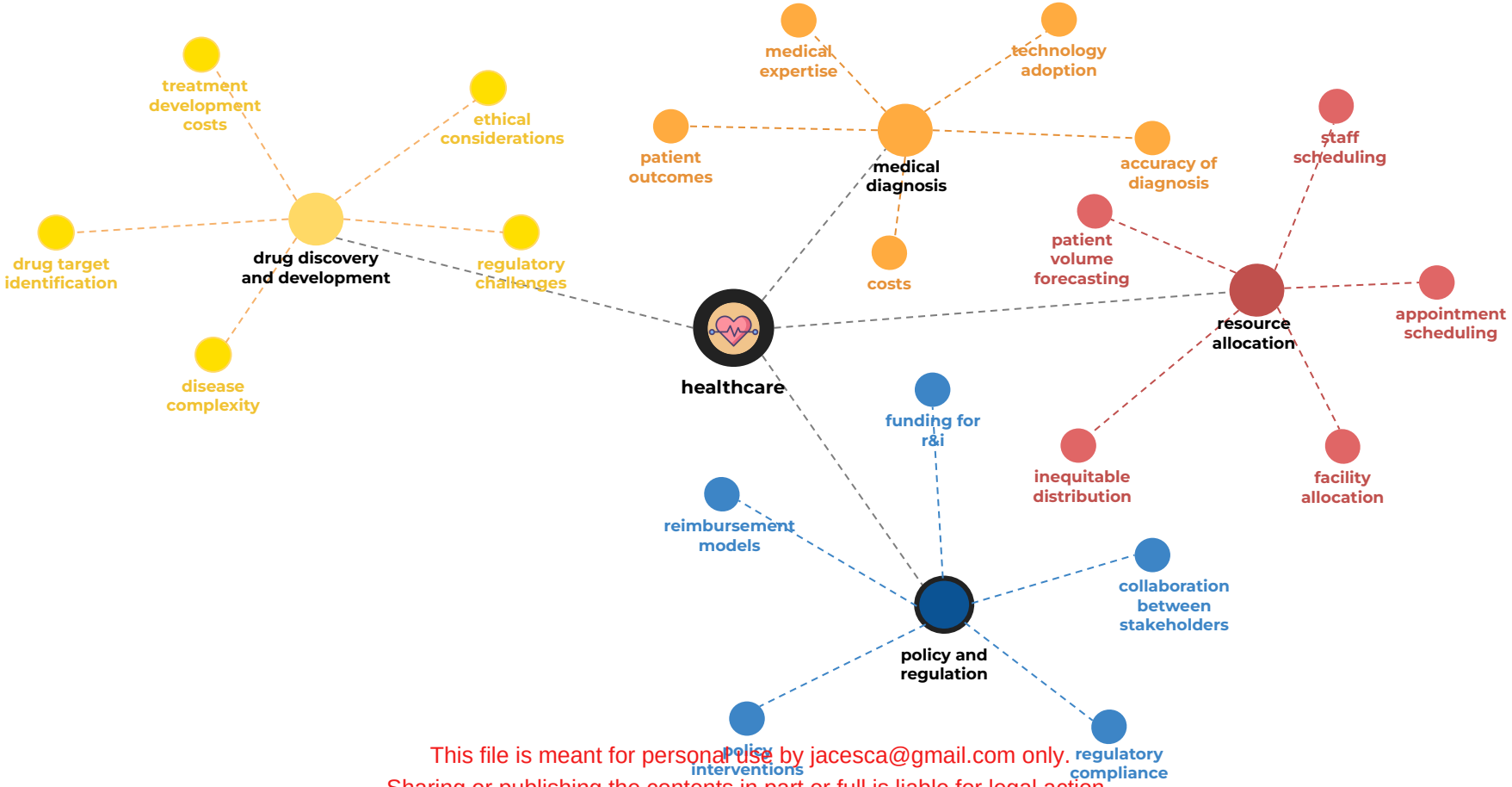

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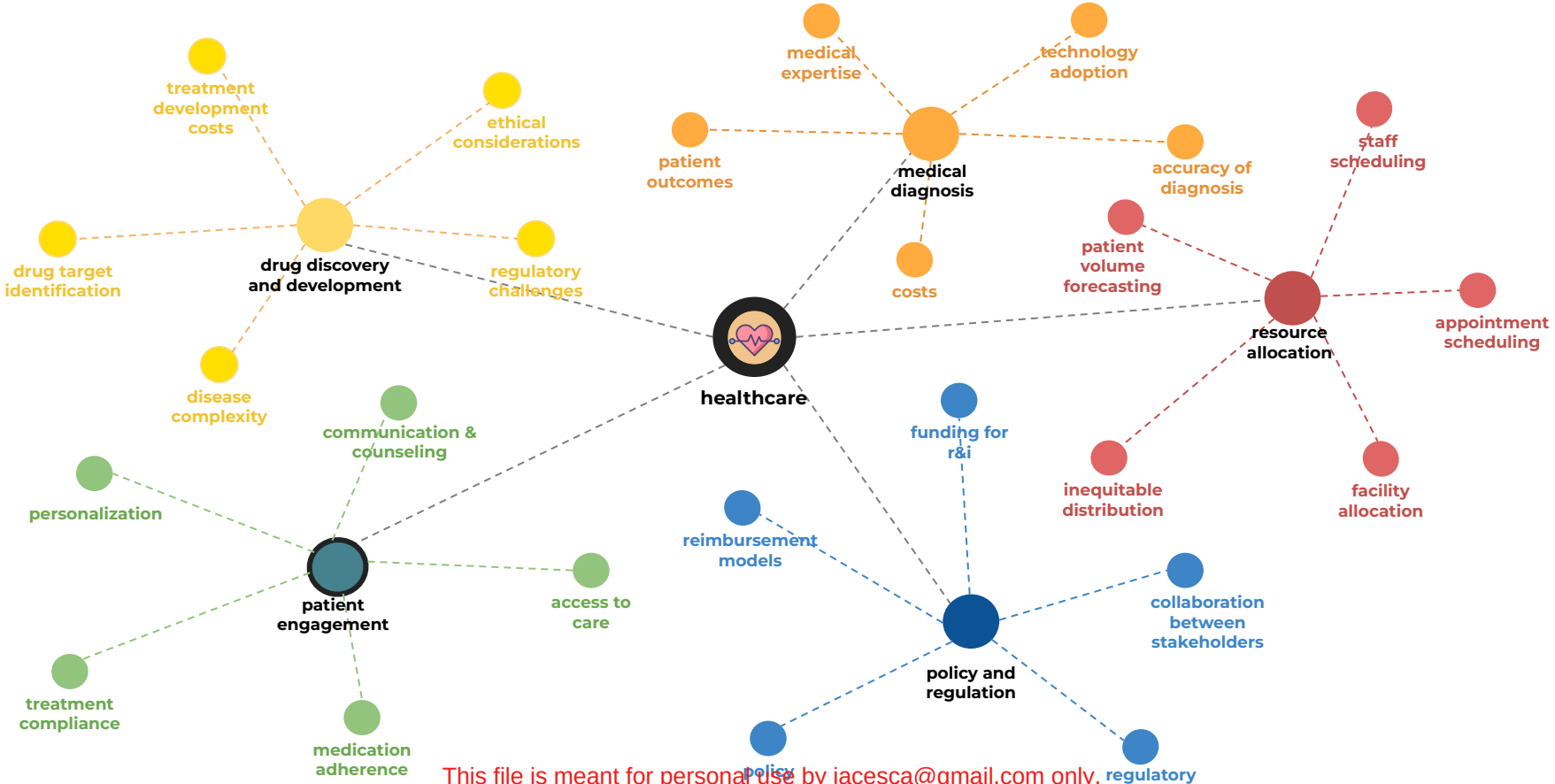

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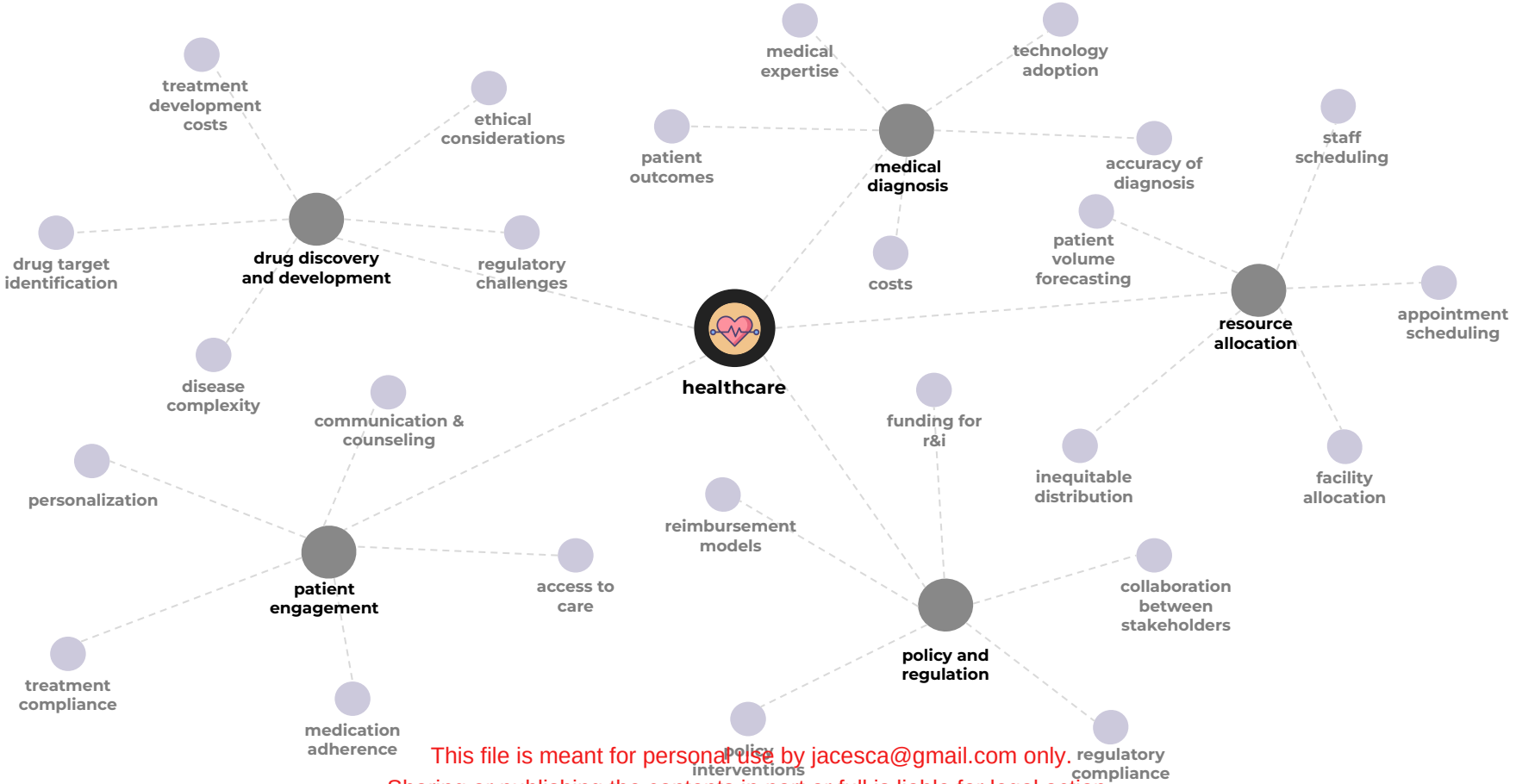

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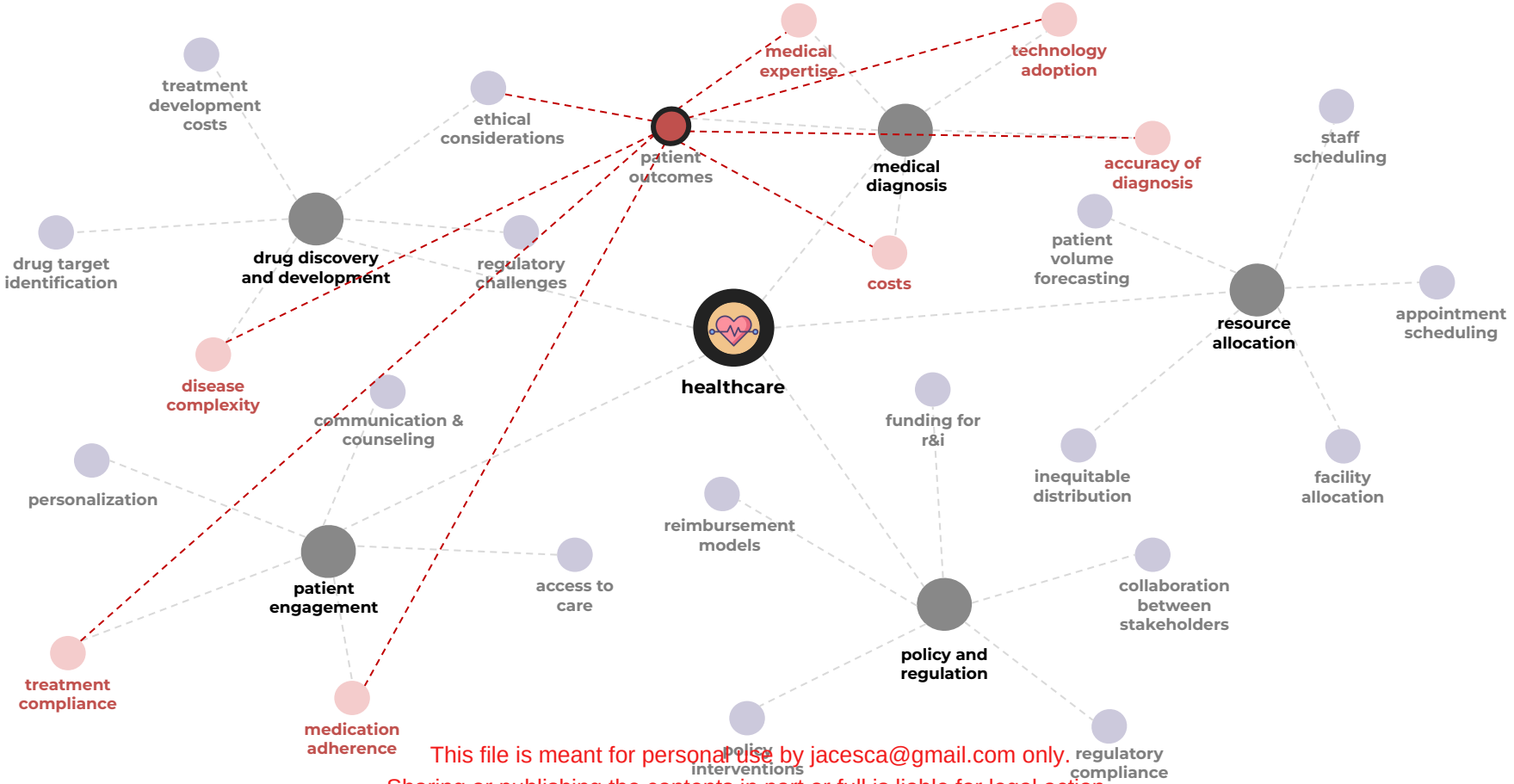

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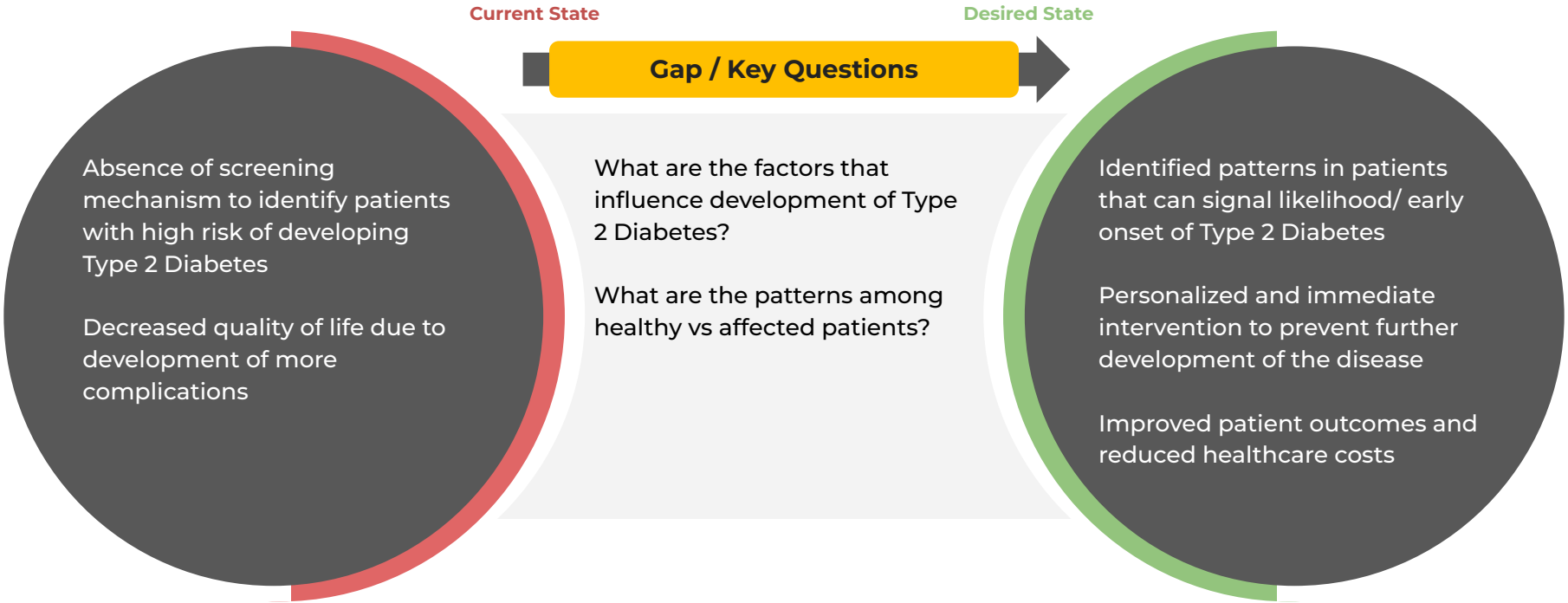
Predicting the onset of Diabetes



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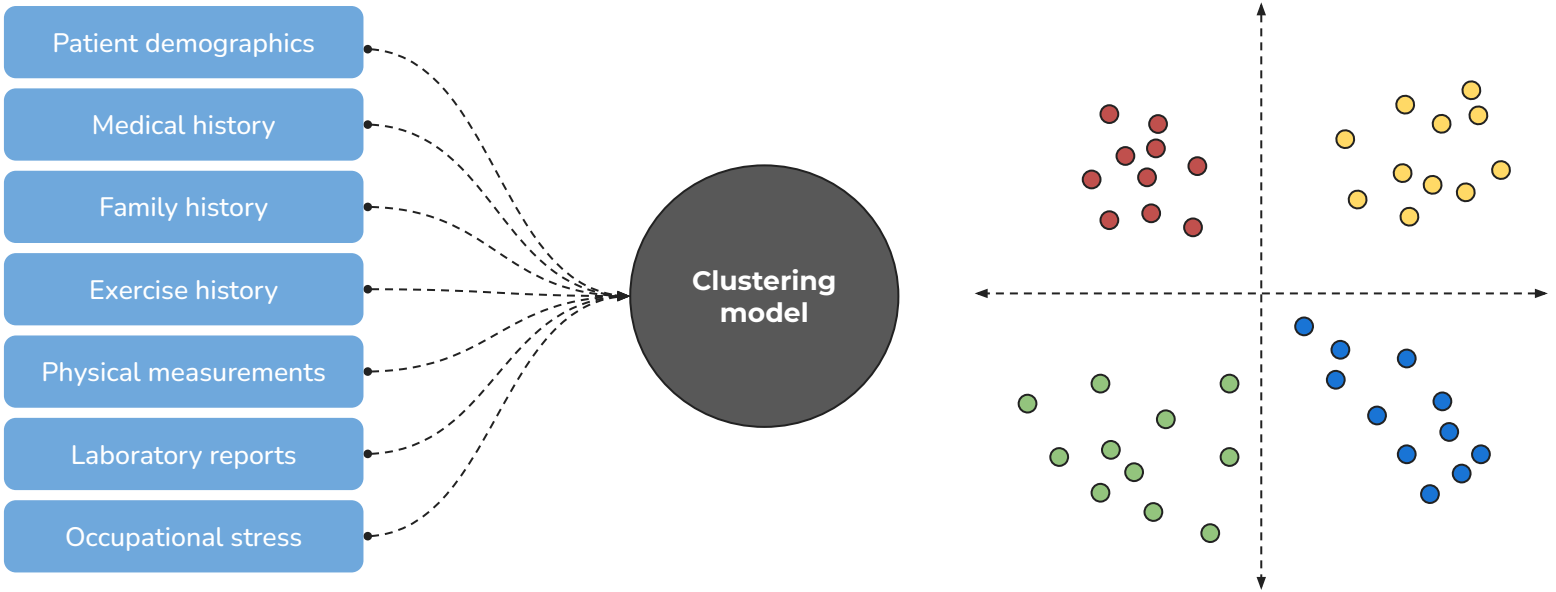
Predicting the onset of Diabetes - Approach



The model groups similar data points together by learning the patterns within the input data

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Problem Space - Banking Industry

banking

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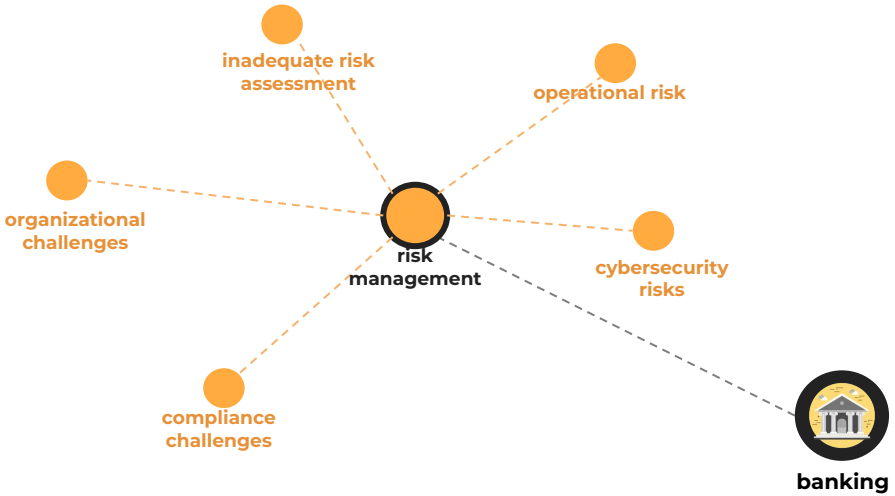

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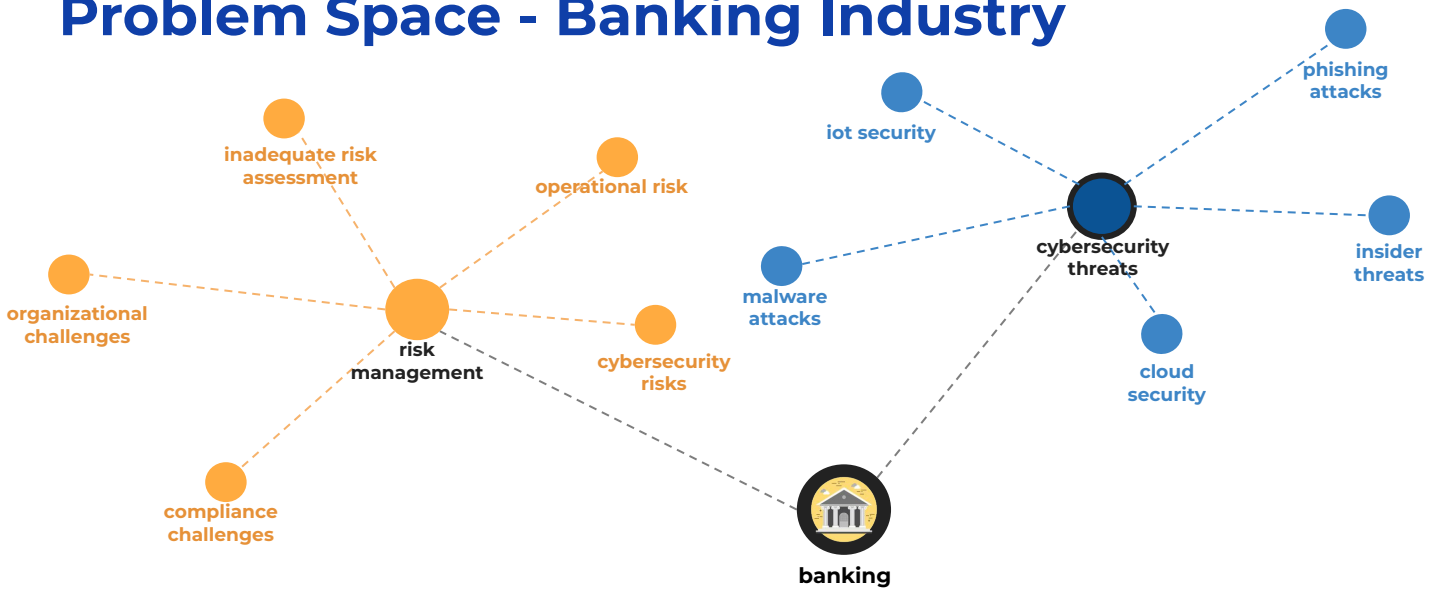

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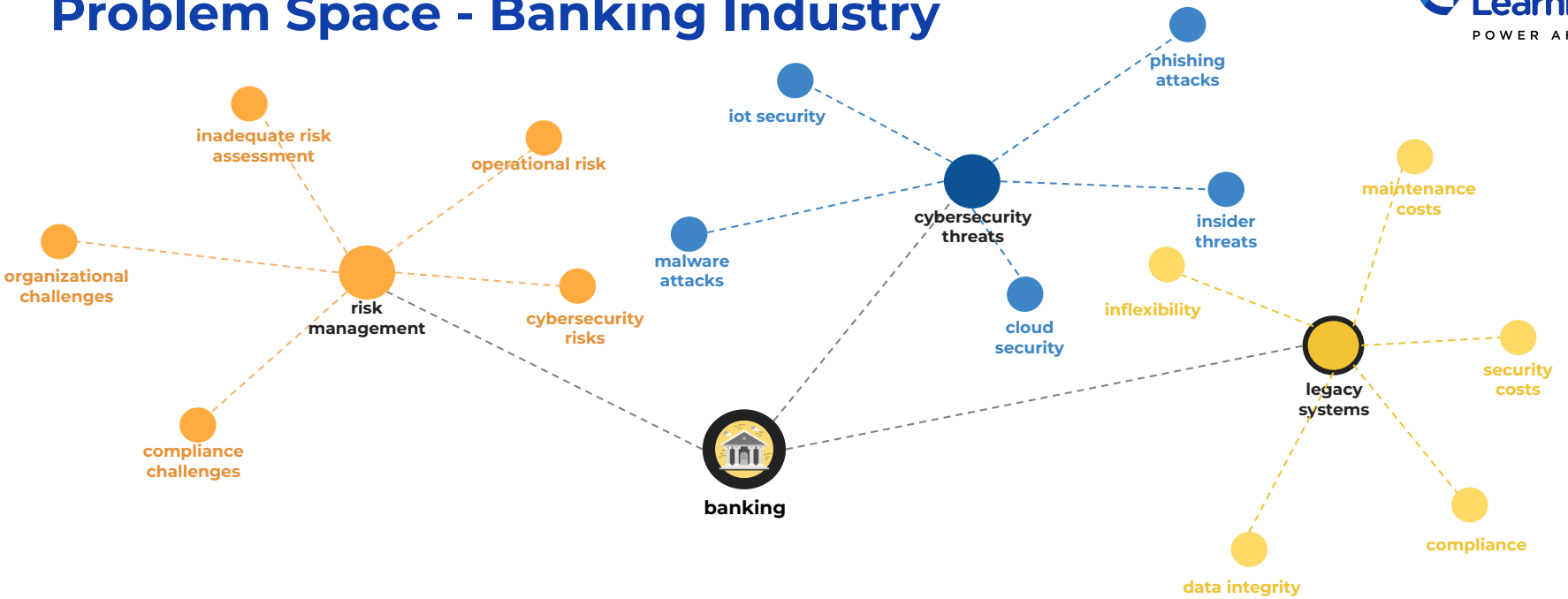

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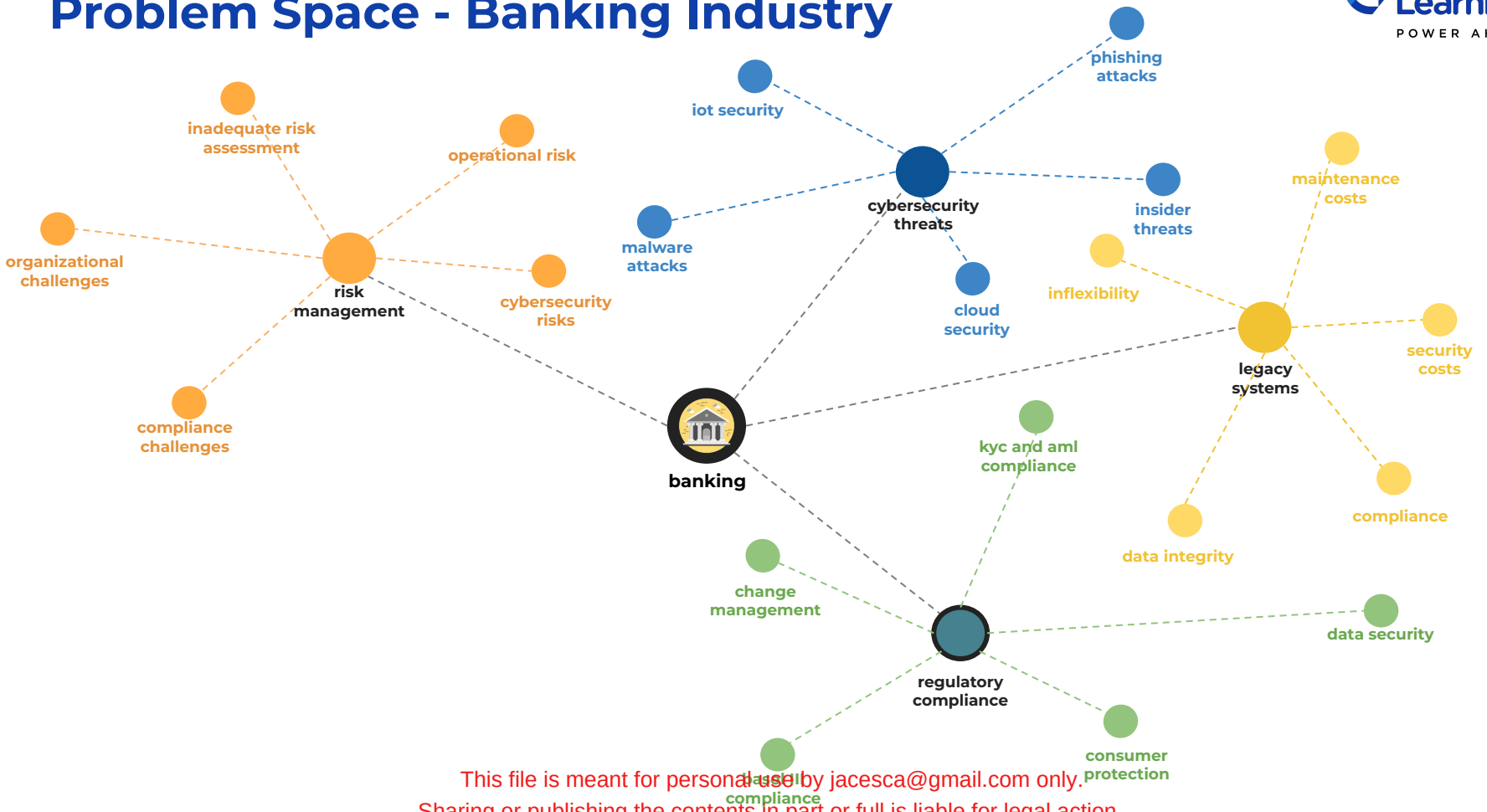

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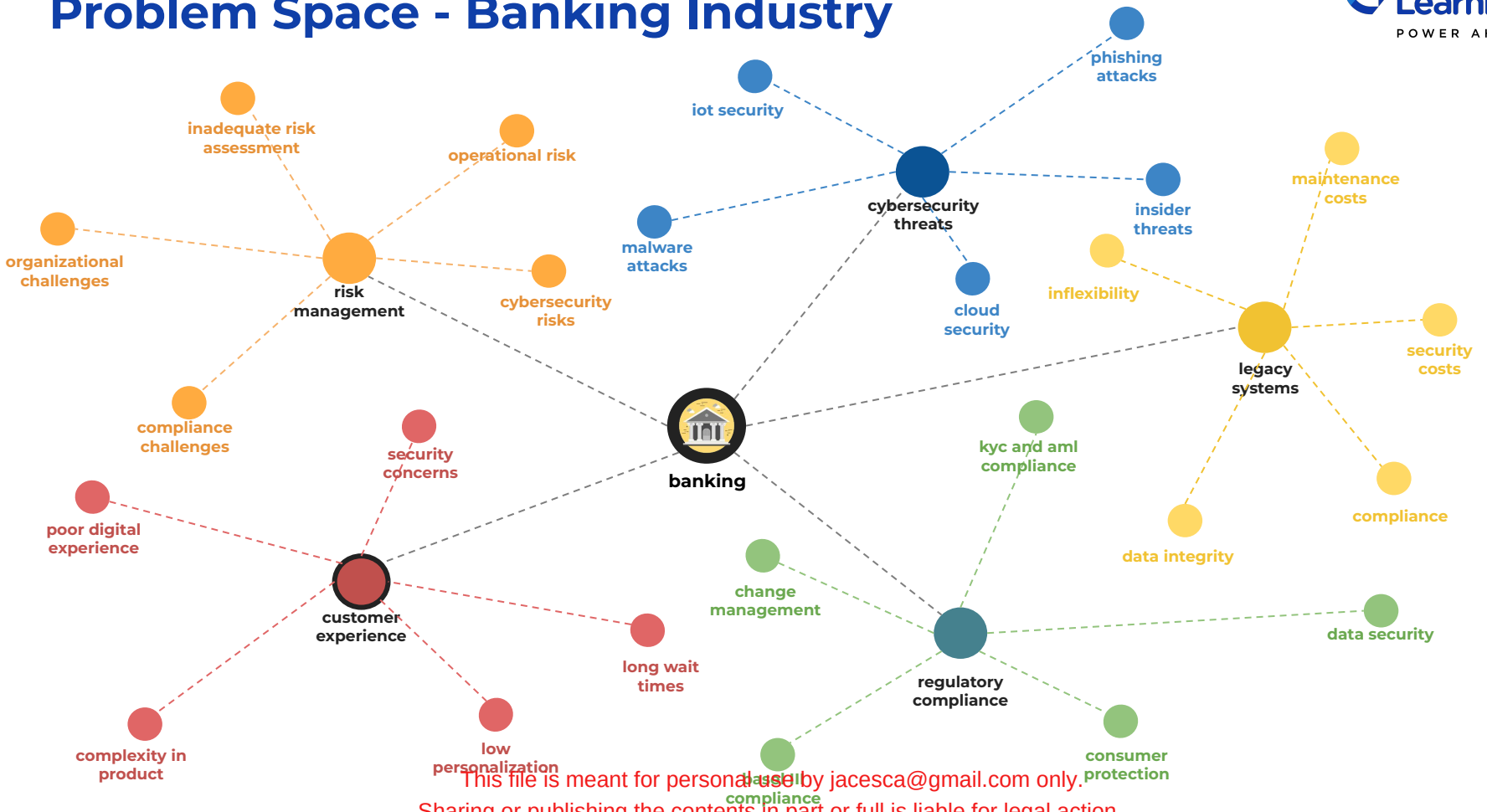

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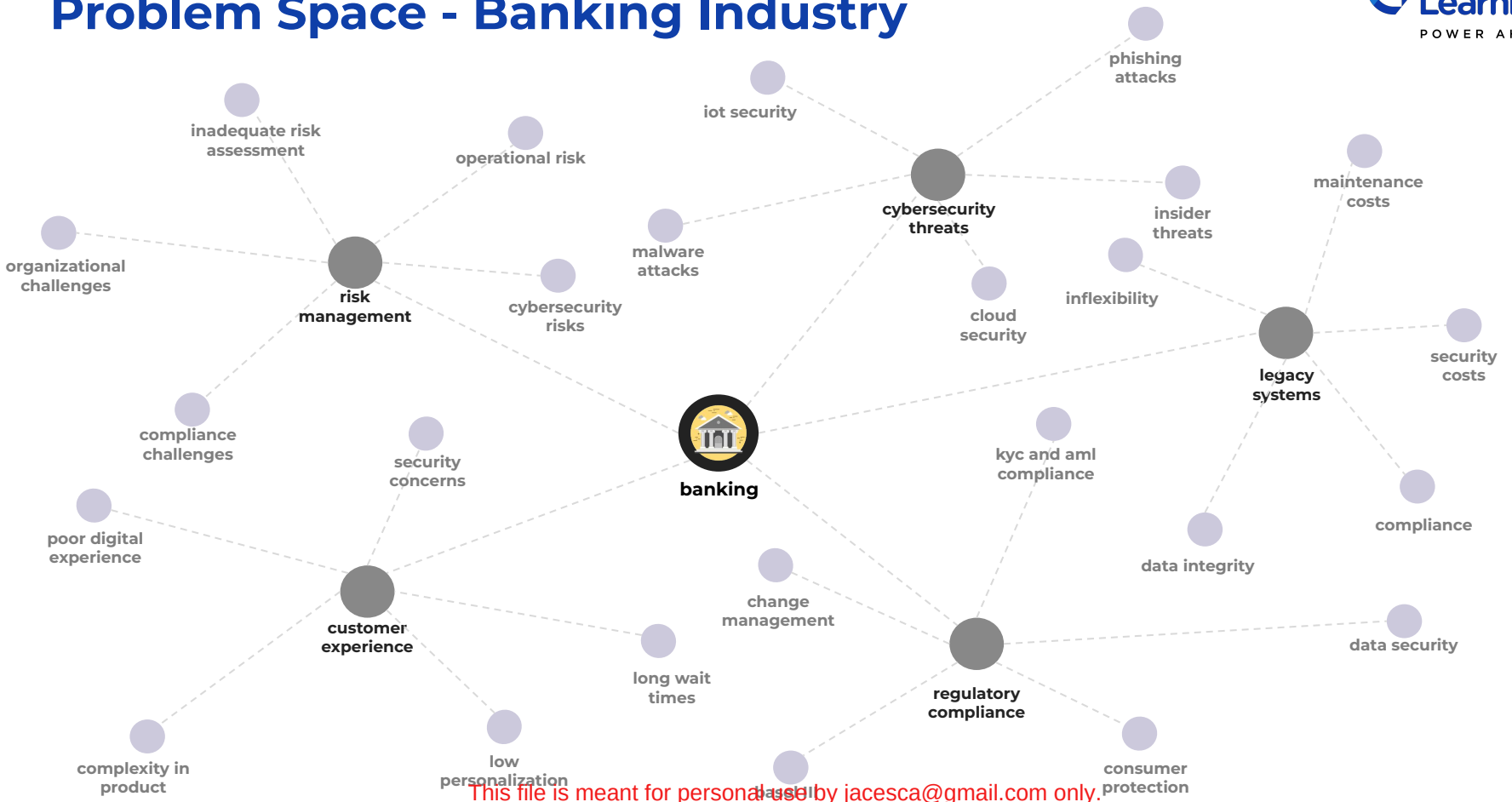

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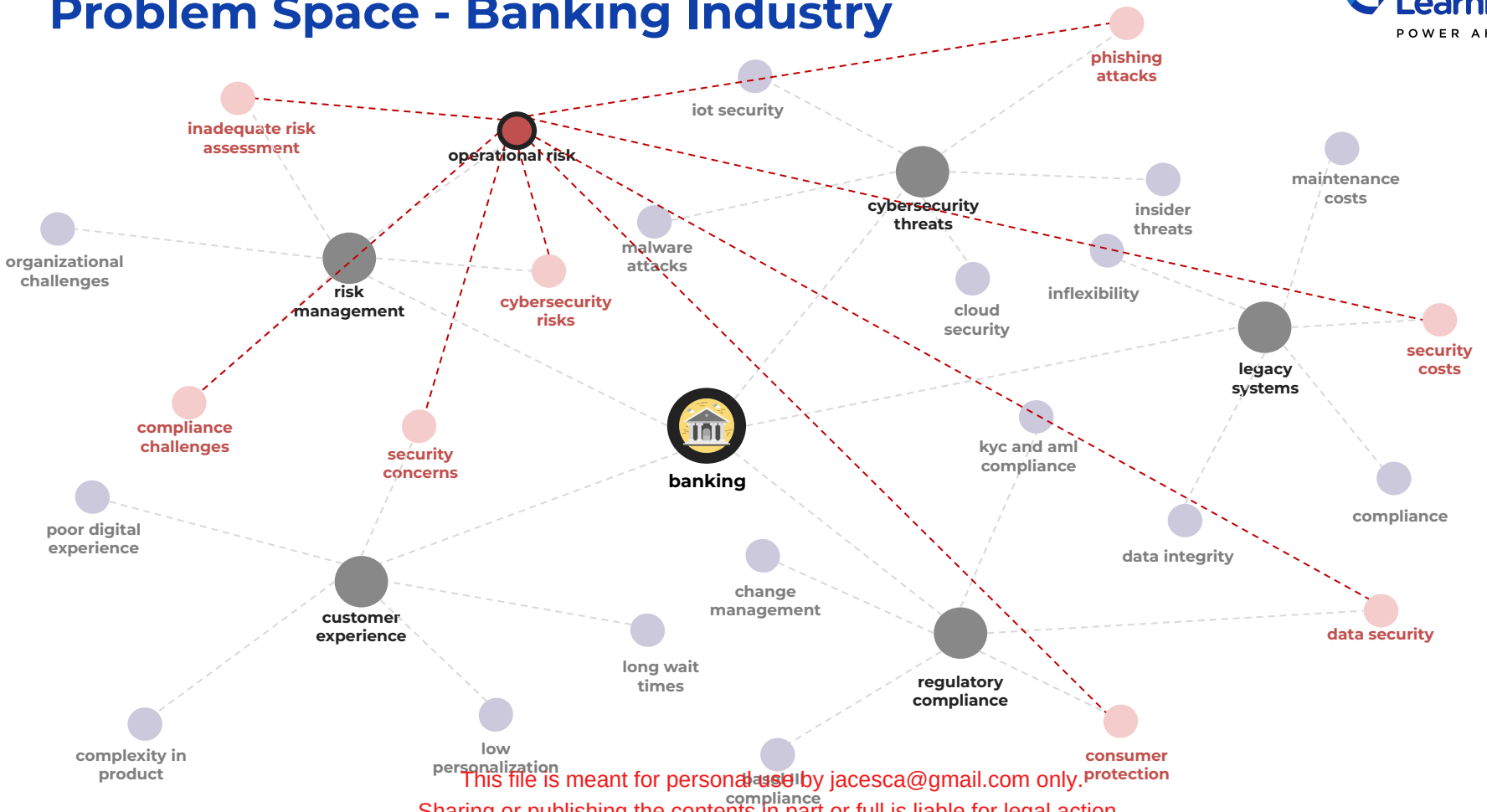

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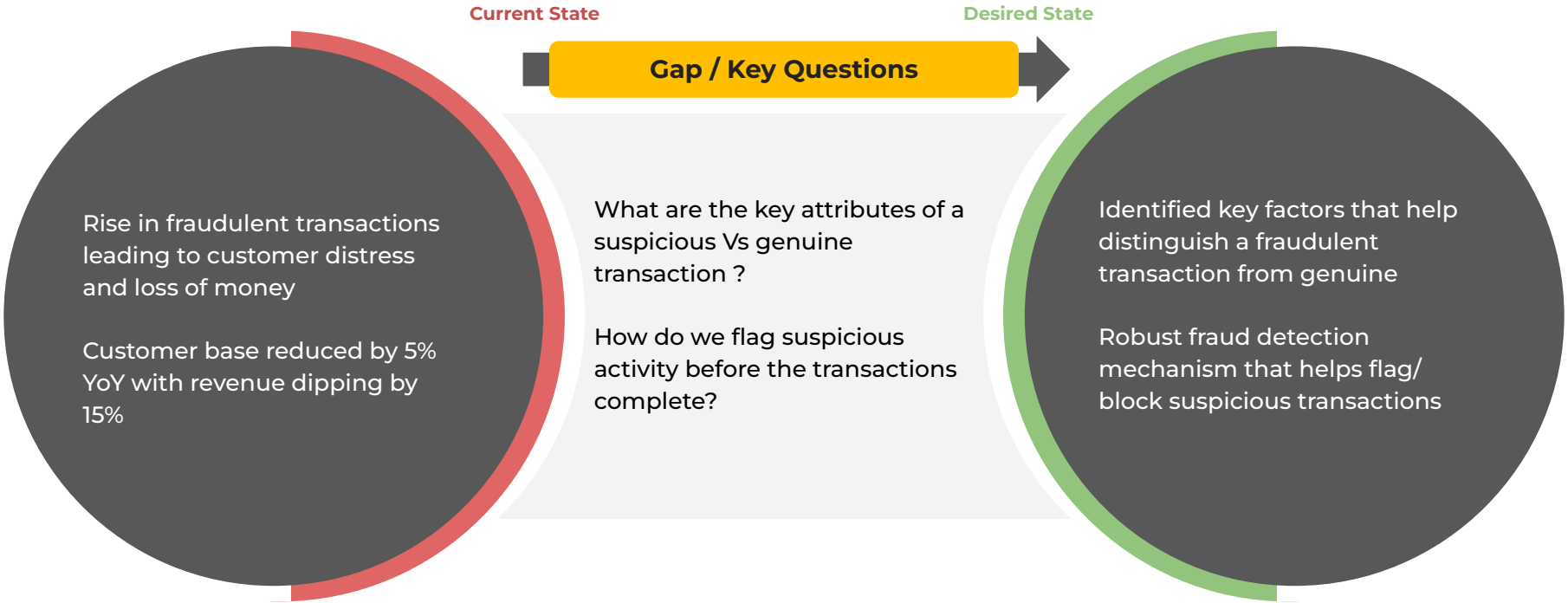
Credit Card Fraud detection



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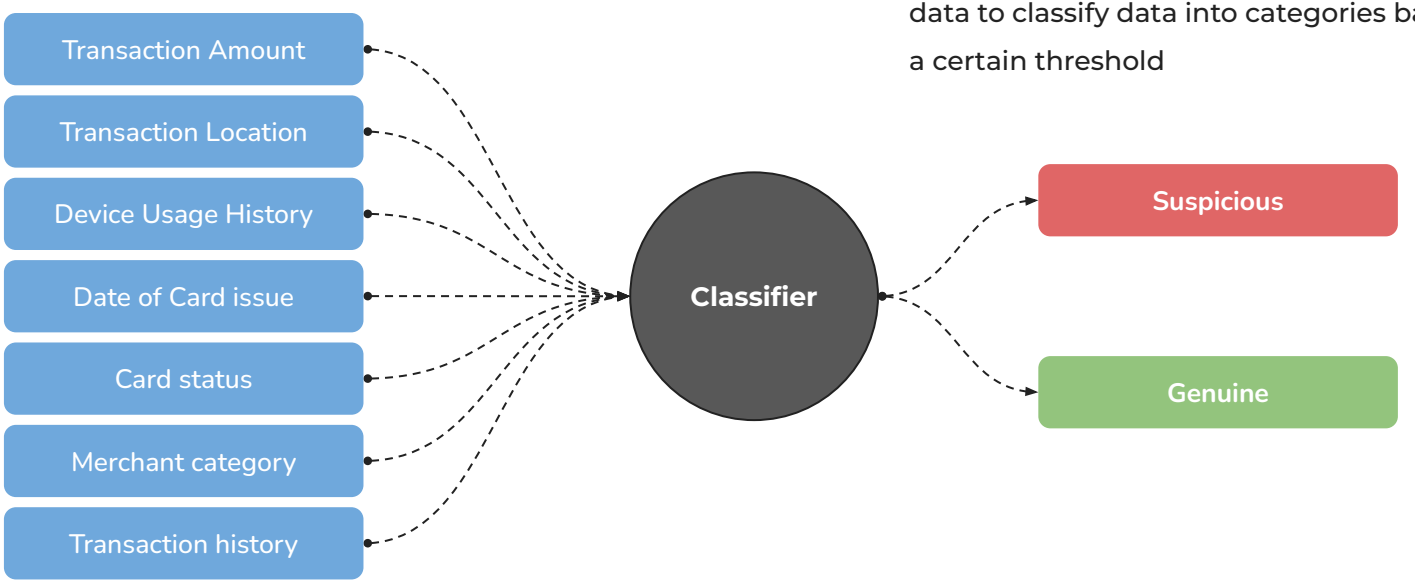
Credit Card Fraud detection - Approach

The classifier learns the features of the input data to classify data into categories based on a certain threshold



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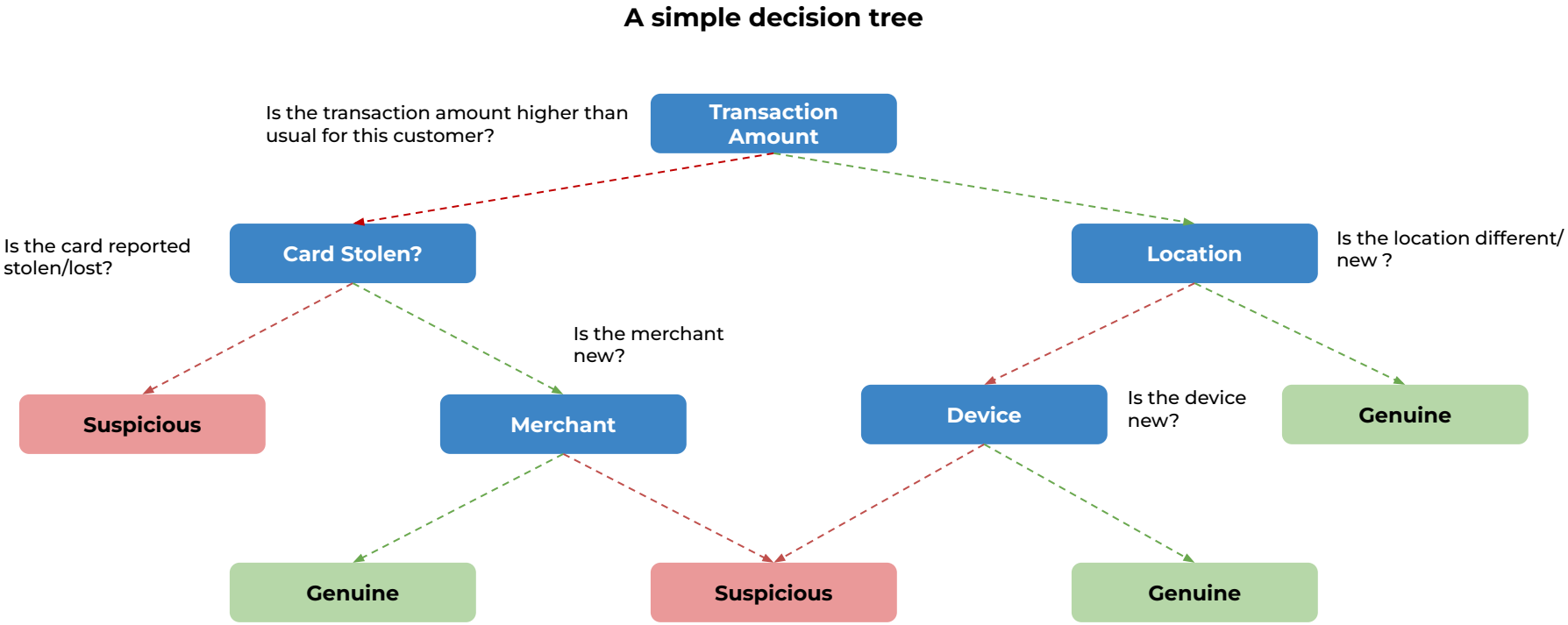
Credit Card Fraud detection - Approach



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