

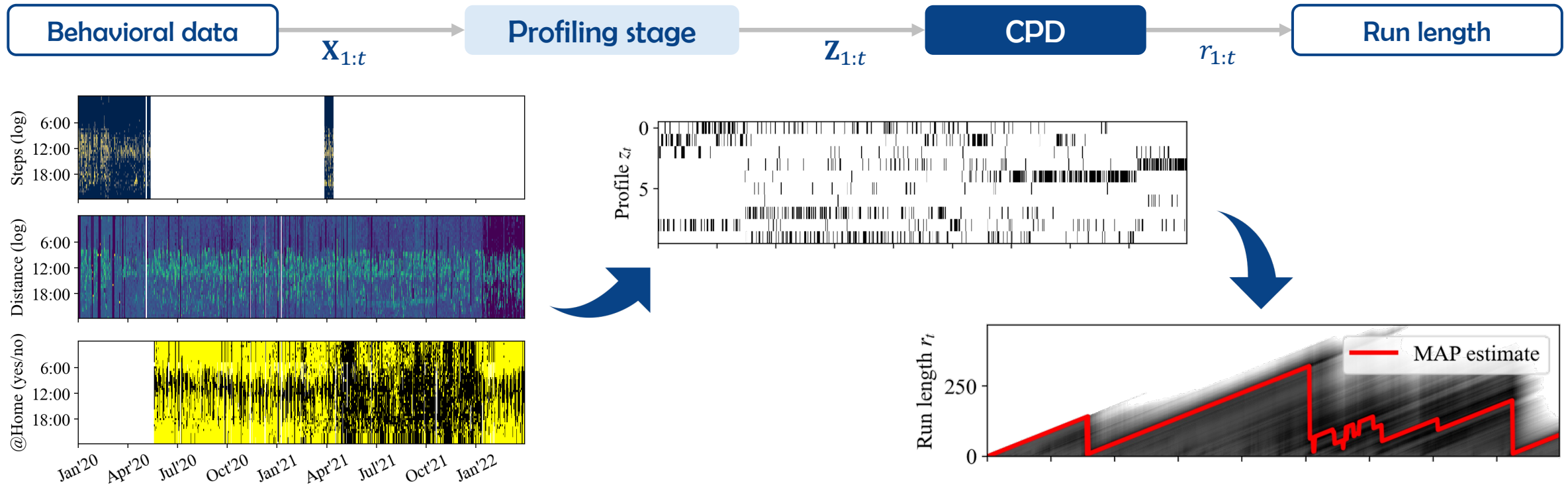
A real-life application of the VQ-VAE

A foundation model for scaling the analysis of patient behavior

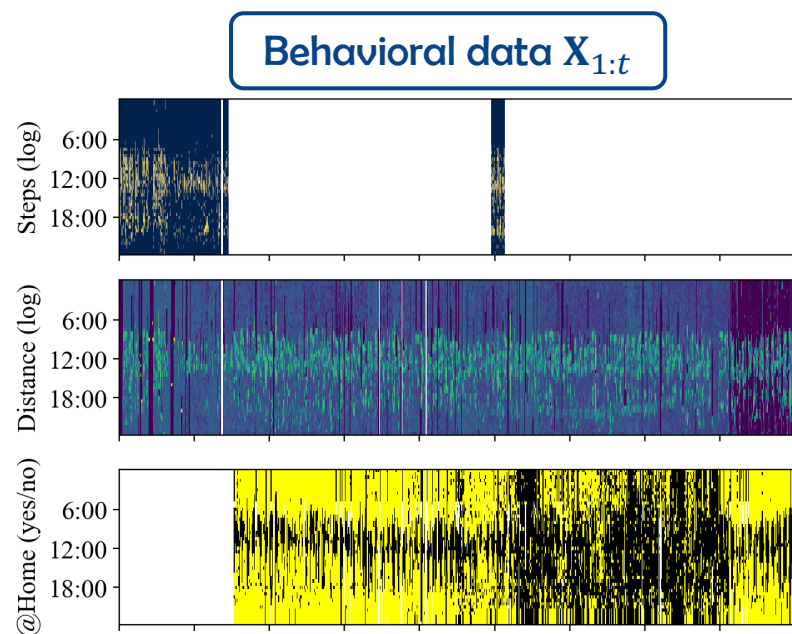
Josué Pérez Sabater · Rodrigo Oliver

Agora Session of June 24th, 2025

Detecting changes in human behavior

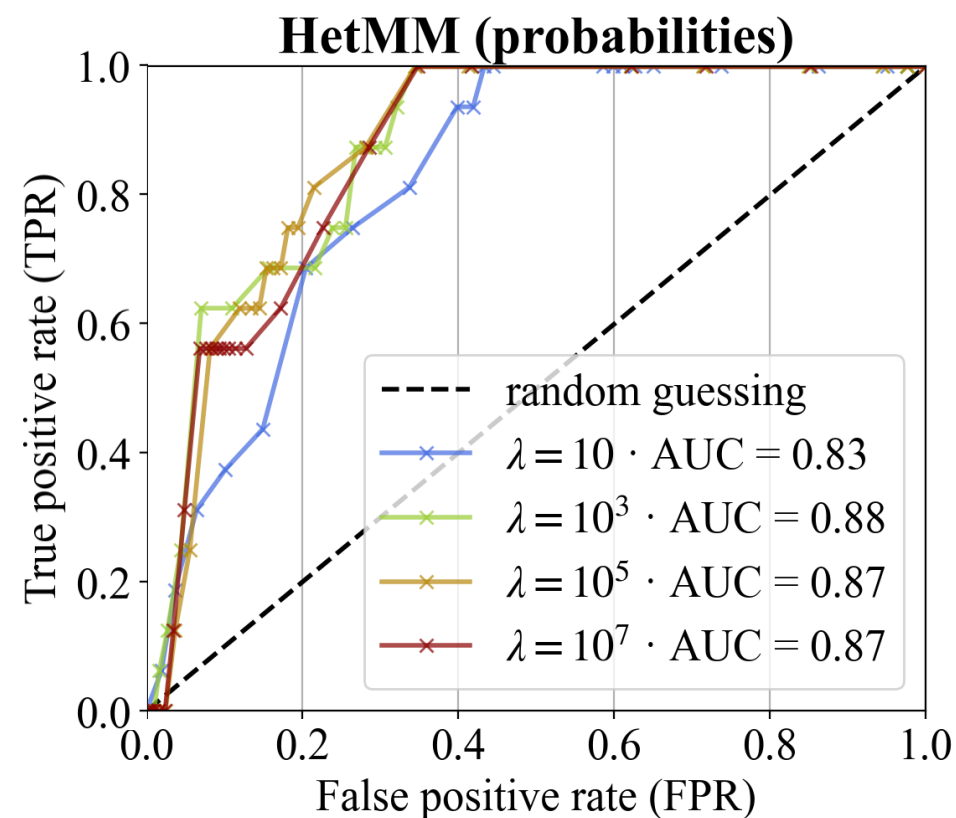
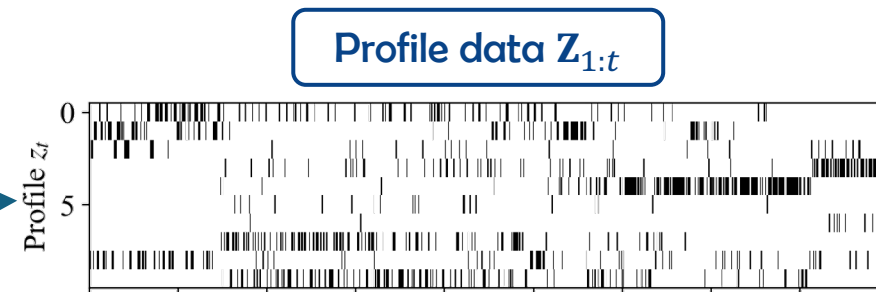


Profiling stage: HetMM

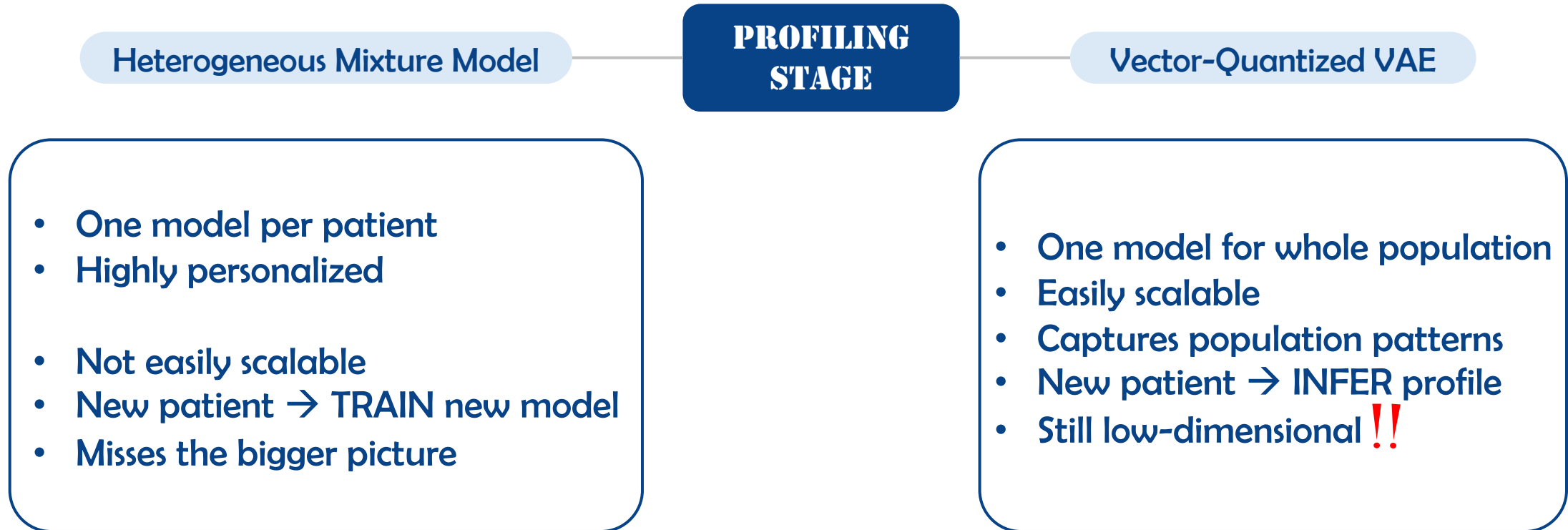


Heterogeneous Mixture Model

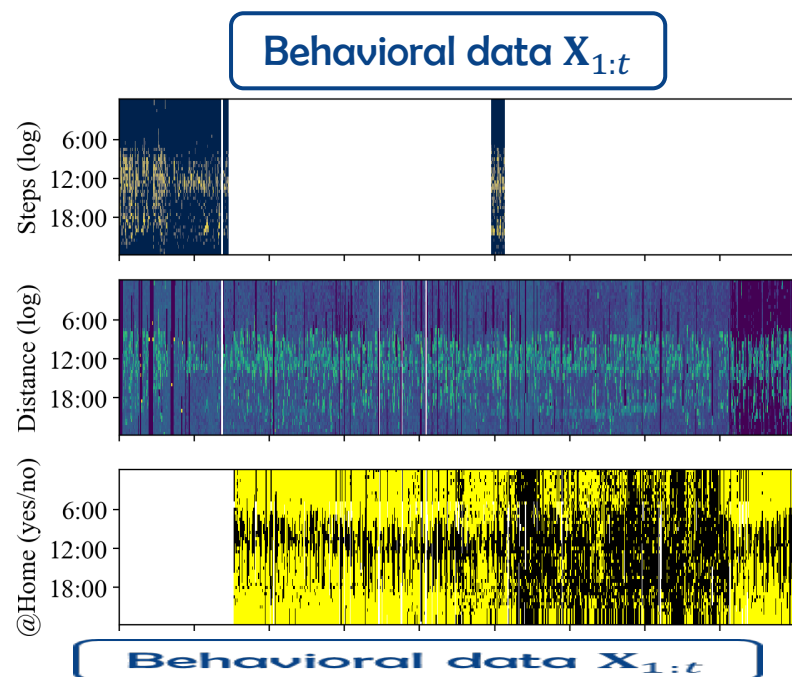
**PROFILING
STAGE**



Profiling stage: HetMM vs. VQ-VAE

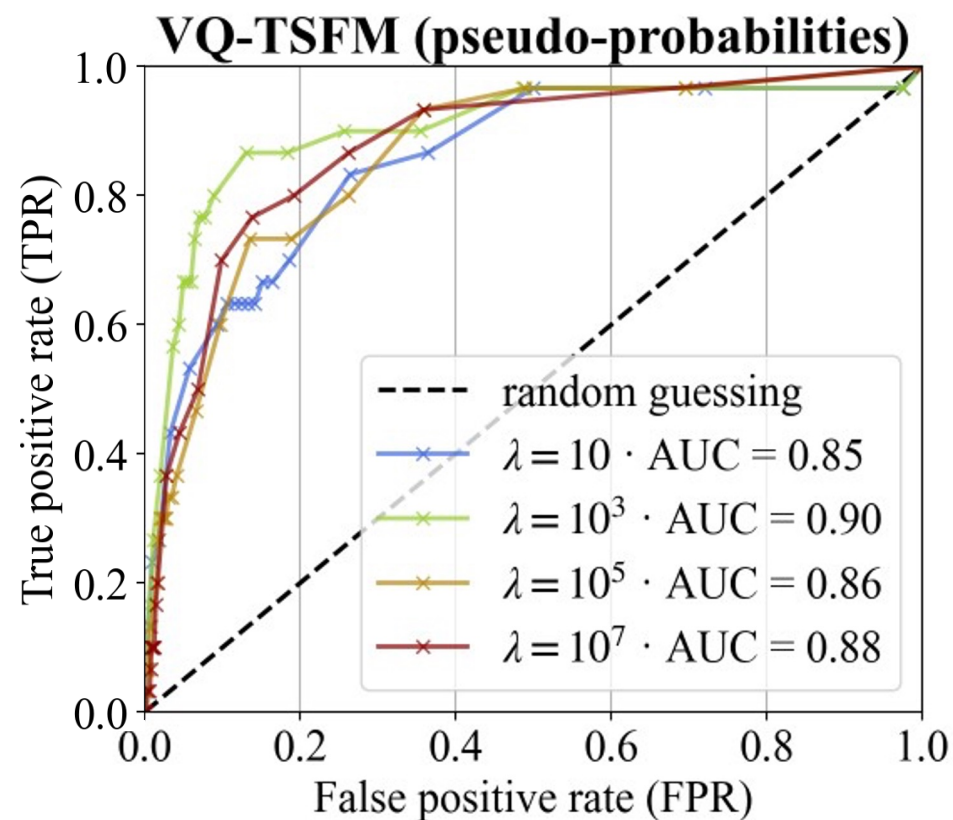
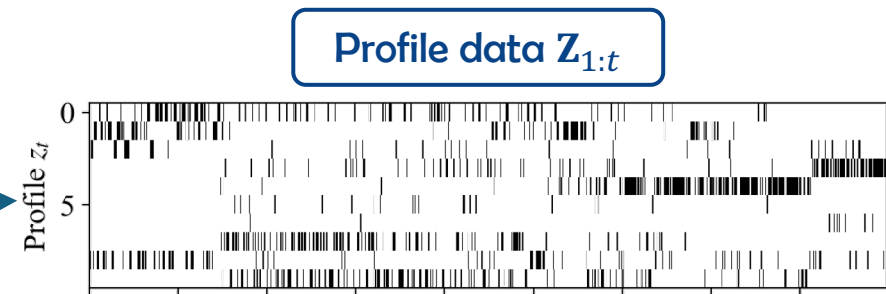


Profiling stage: VQ-VAE

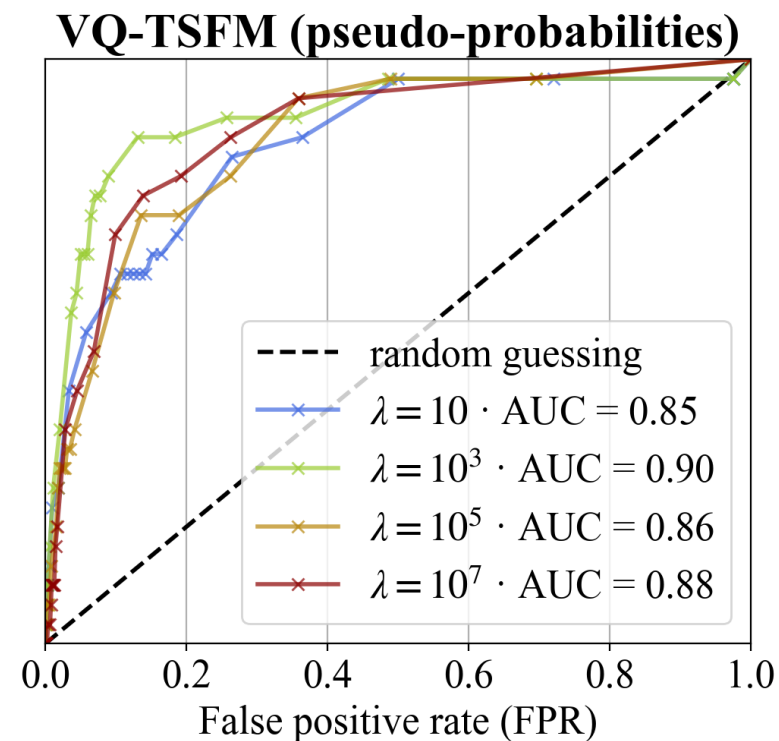
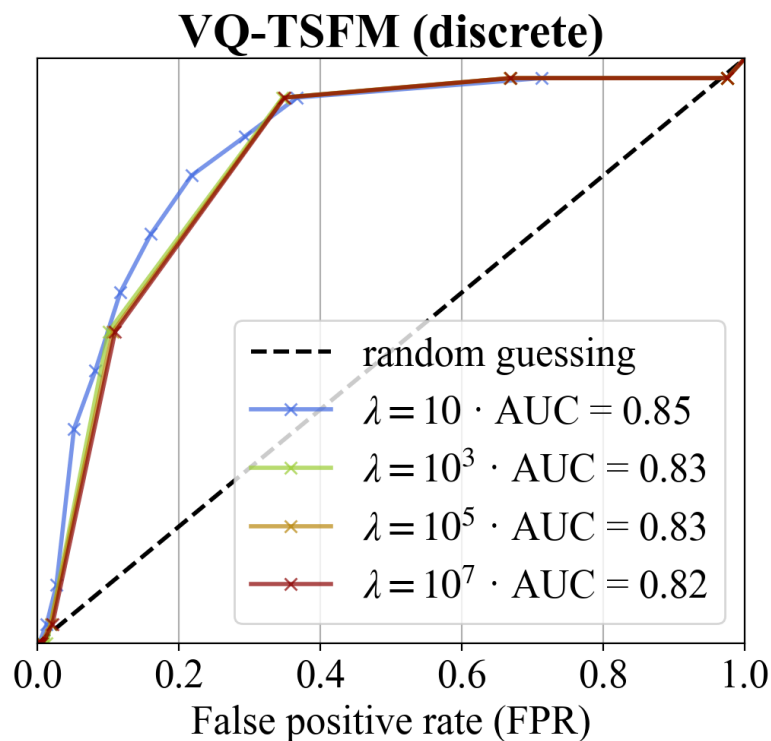
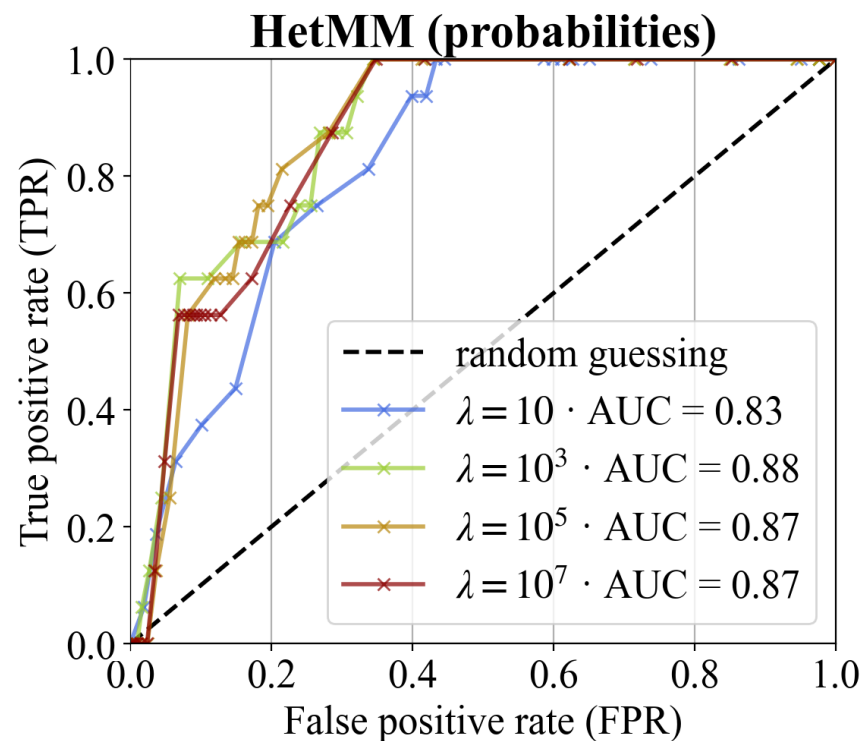


Vector-Quantized VAE

**PROFILING
STAGE**



Profiling stage: VQ-VAE



A real-life application of the VQ-VAE

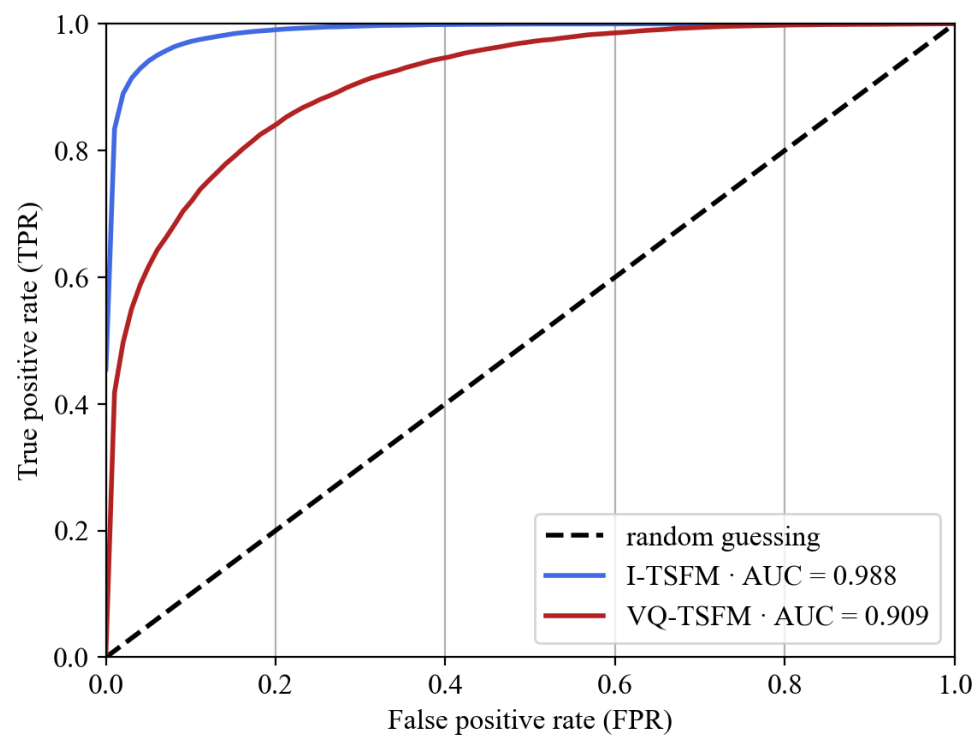
A foundation model for scaling the analysis of patient behavior

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Thank you!

VQ-VAE: Foundational capabilities

Emotion prediction



Patient clustering

