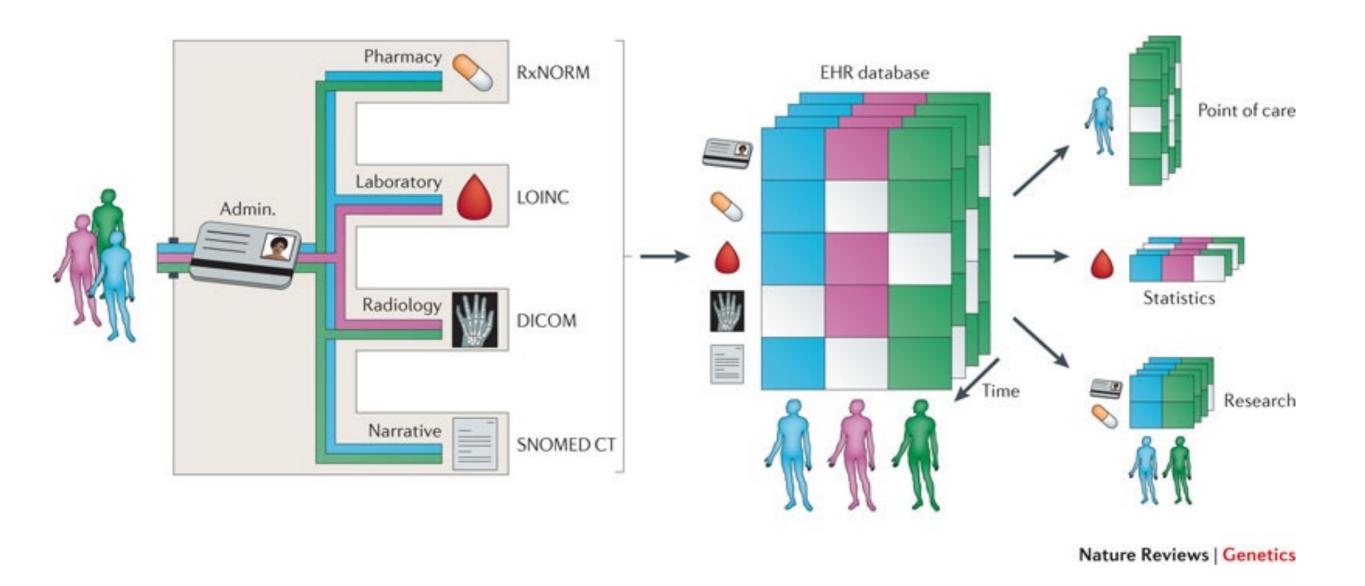
# Interpretable Models for Complex Health Data

Joyce Ho

# My Research Interests

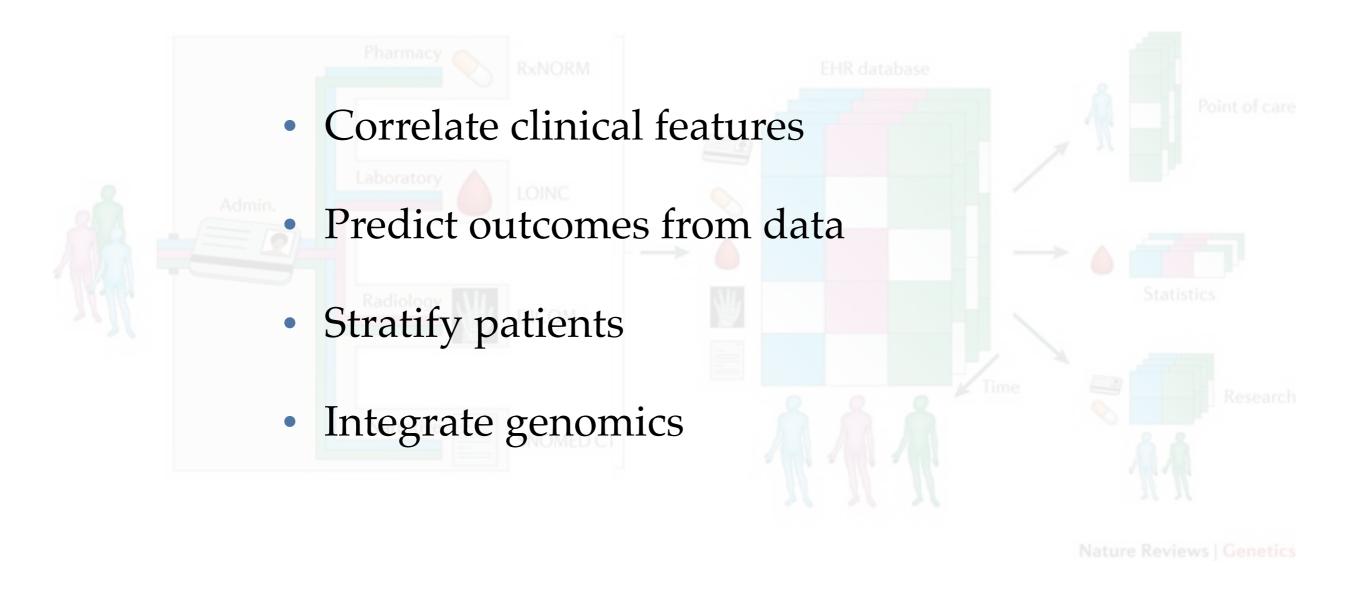


## Electronic Health Records (EHRs)

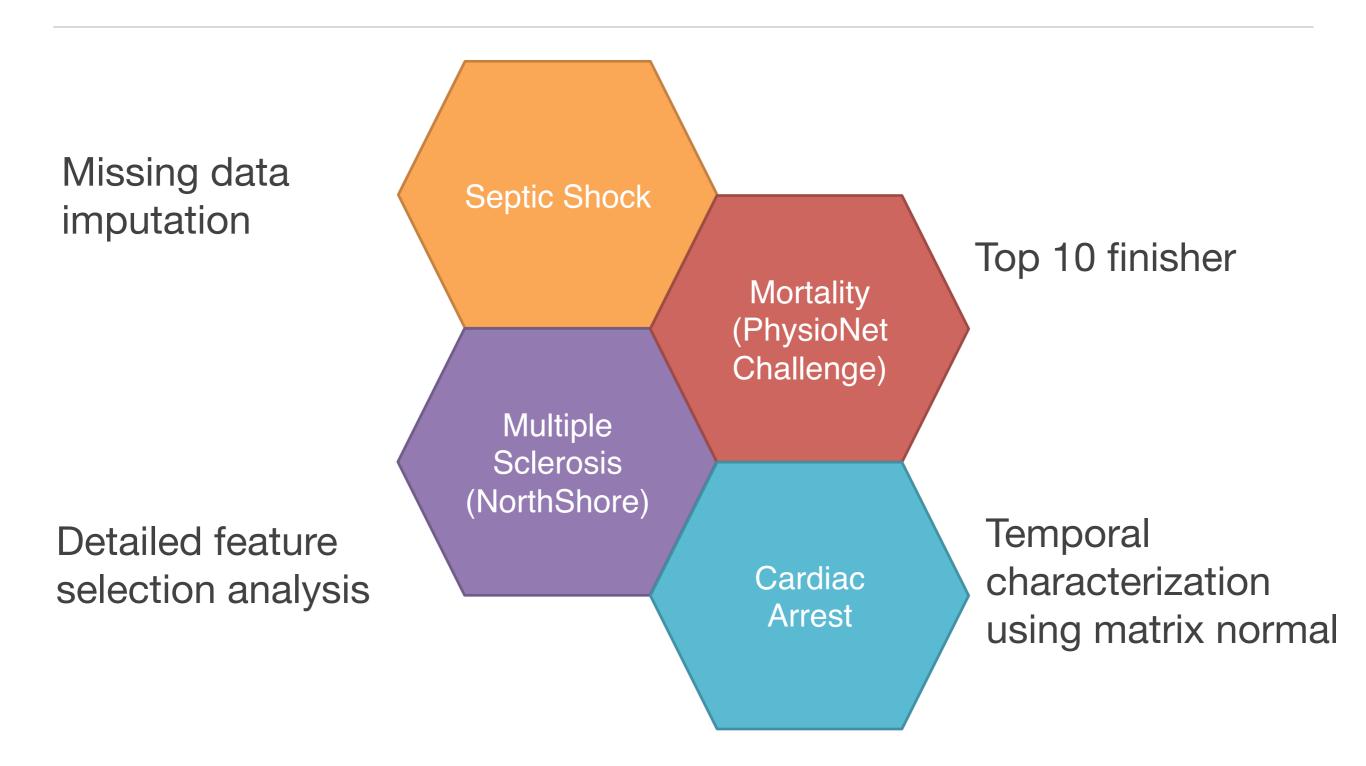


Jensen, P. B., Jensen, L. J., & Brunak, S. (2012). Mining electronic health records: towards better research applications and clinical care. Nature Reviews: Genetics, 13(6), 395–405.

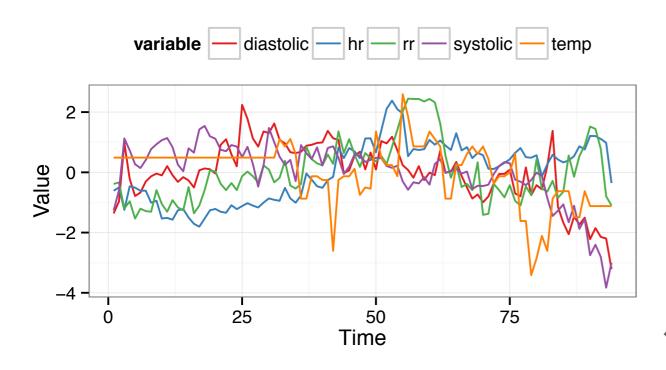
## Electronic Health Records (EHRs)



#### Disease-Specific Risk Prediction

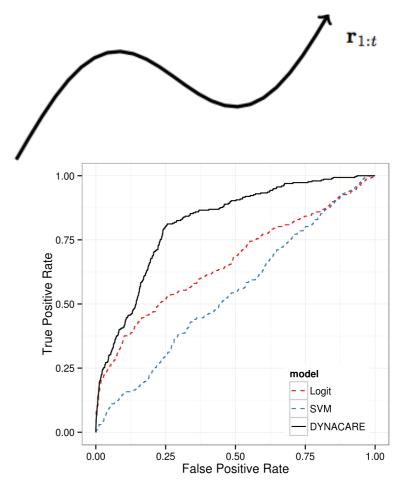


#### **DYNACARE: Cardiac Arrest Risk Estimation**



temporal data across different measurements single estimate of cardiac arrest risk with better predictive performance





#### Dimensionality Reduction for EHR Tensors

