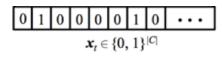
Cohort construction

Automatic feature engineering

Prediction



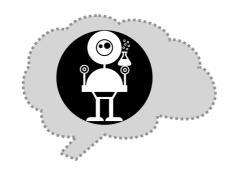
one-hot encoded C={Dx, Rx, Pr,...}



Preprocessing



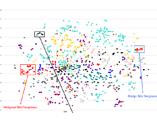
EMR embedding



fixed size embedding vector

	0.32	0.01	0.21	0.92	
•					

Qualitative evaluation



concept similarity (comparison w/ CRG, CCS, ...)

Patient representation



Predictive modeling



EMR data representation

The goal of the project is to develop intelligent methods for patient and medical record representation learning, and ultimately predict clinical events such as patient diagnosis, prognosis, or medication categories.

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