Etapa 3

Análise de dados a partir de grafos



Banco de dados

1) Disease-Symptom Knowledge Database

Disease-Symptom Knowledge Database

This table below is a knowledge database of disease-symptom associations generated by an automated method based on information in textual discharge summaries of patient presbyterian floopinal admitted during 2004. The first column shows the disease, the second the number of discharge summaries or the containing a positive and current mention of and the associated symptom. Associations for the 150 most frequent diseases based on these notes were computed and the symptoms are shown ranked based on the strength. The method used by the Med LEE natural language processing system to obtain UNLS codes for diseases and symptoms from these ties the statistical methods based on the strength. The method used to obtain the associations. A more detailed description of the automated when deep the data of the strength of the strength

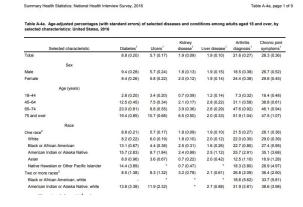
Please contact friedman@dbmi.columbia.edu for any questions regarding the knowledge database.

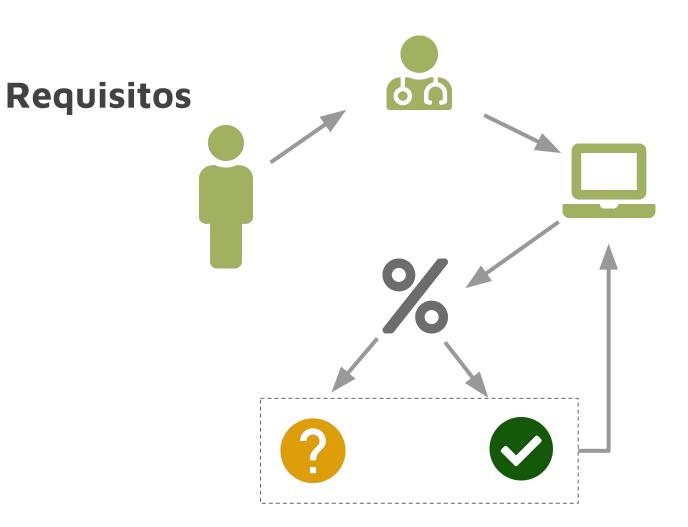
Disease	Count of Disease Occurrence	Symptom
UMLS:C0020538_hypertensive disease	3363	UMLS:C0008031_pain chest
		UMLS:C0392680_shortness of breath
		UMLS:C0012833_dizziness
		UMLS:C0004093_asthenia
		UMLS:C0085639_fall
		UMLS:C0039070_syncope
		UMLS:C0042571_vertigo
		UMLS:C0038990_sweat^UMLS:C0700590_sweating increased
		UMLS:C0030252_palpitation
		UMLS:C0027497_nausea
		UMLS:C0002962_angina pectoris
		UMLS:C0438716_pressure chest
UMLS:C0011847_dlabetes	1421	UMLS:C0032617_polyuria
		UMLS:C0085602_polydypsia
		UMLS:C0392680_shortness of breath
		UMLS:C0008031 pain chest

2) Diseases Database

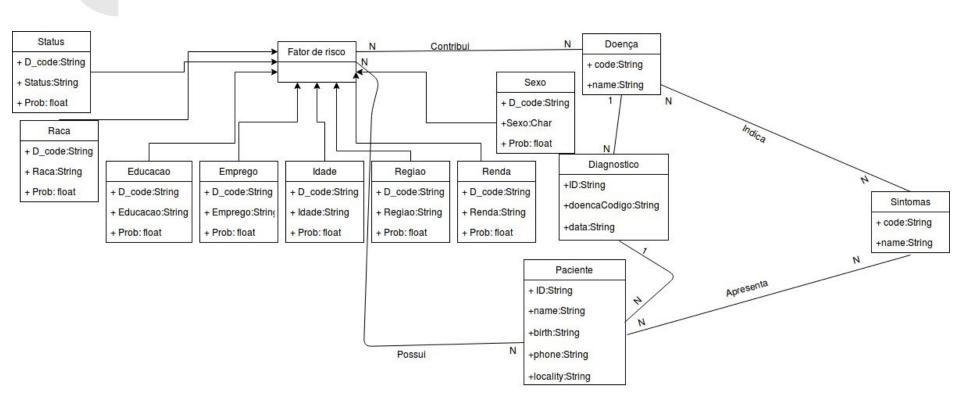


3) National Health Interview Survey





Modelo conceitual



Relações

三 田 Paciente.csv localidade ID nascimento celular ▼ nome pat002X66 Susan Kratz 26/03/1991 8889256 South pat00440N Bong Williams 06/03/1975 8779548 Midwest Denny Benner 21/12/1955 9308805 Northeast pat004K0X Georgette Moseley 04/04/1929 pat008GZH 8012333 South

10/11/1951

07/10/1904

10/05/1966

23/10/1924

17/01/1900

8612152

9179356

9177464

8827791

8748114

West

West

West

Midwest

South

🔞 33724 records in your data have been successfully parsed!

Stella Smith

Raul Mohmed

Julie Gayton

Charles Hernandez

Violet Carrington

pat0097IR

pat009J6P

pat00CIZQ

pat00D671

pat00FCFE

Propostas

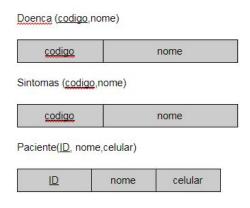
• Categorizar os elementos do grafo

Visualização de padrões através das relações de coocorrências

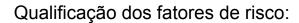
Traçar possíveis diagnósticos através de caminhos

Modelo lógico -> Grafo

Estruturas básicas:







Sexo (D_code, Sexo, Prob)

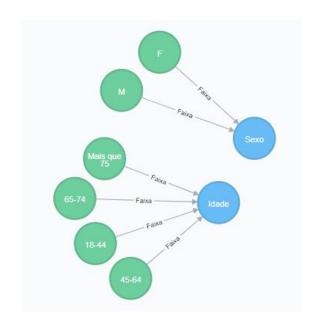
CHE: D_code -> Doenca (codigo)

D code	Sevo	Proh
D code	SEXU	1 100

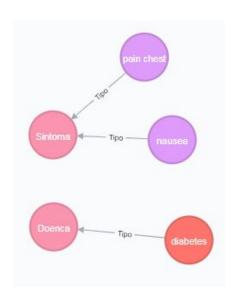
Idade (<u>D_code,Idade,</u>Prob)

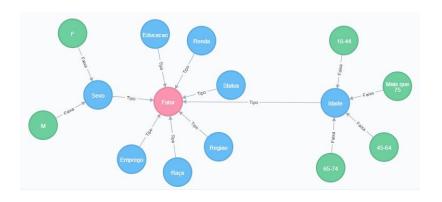
CHE: D_code -> Doenca (codigo)

D code	Idade	Prob

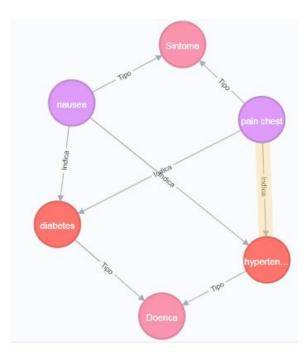


Categorias

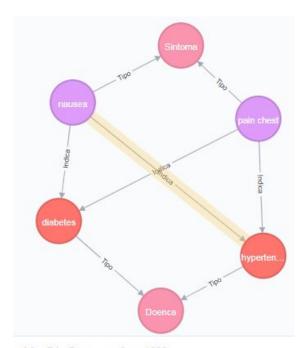




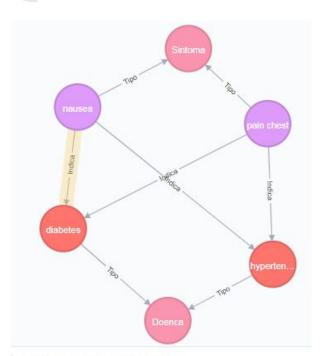
Coocorrências



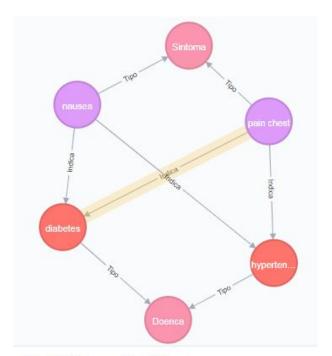
<id>: 19 Ocorrencias: 3000



<id>: 74 Ocorrencias: 1000



<id>: 18 Ocorrencias: 500



<id>: 57 Ocorrencias: 300

Caminhos

