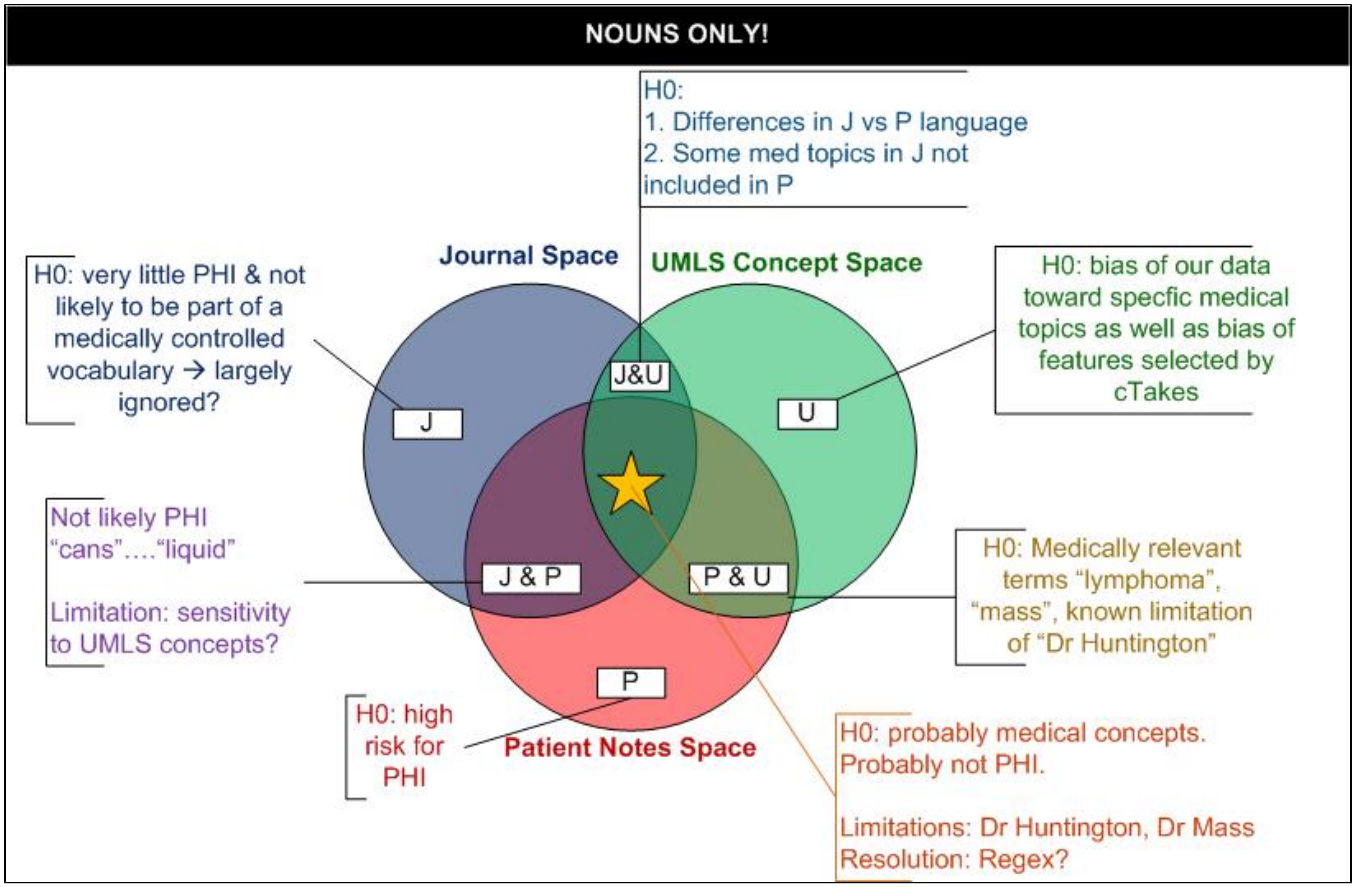
3.X

Reference Docs

- User Guide
- Human annotation with Protege
- Machine Annotations and Data Dictionary

Venn Diagram



Feature Set Construction (Text words-> Lexical Features)

token	dict	regex	pub	pub word freq	umls	umls freq	ni	class	prediction
the	0	0	1	115318	0	0		F	???
patient	0	0	1	620	1	20		F	
was	0	0	1	14639	1	6		F	
seen	0	0	1	562	1	1		F	
with	0	0	1	19400	1	3		F	
normal	0	0	1	871	1	20		F	
visit	0	0	1	39	1	4		F	

status	0	0	1	513	1	6		F	
.	0	0	1	102847	0	0		F	
patient	0	0	1	620	1	20		F	
was	0	0	1	14639	1	6		F	
checked	0	0	1	53	1	1		F	
for	0	0	1	18770	1	5		F	
kidney	0	0	1	60	1	15		F	
failure	0	0	1	154	1	5		F	
.	0	0	1	102847	0	0		F	
patient	0	0	1	620	1	20		F	
id	0	0	1	28	1	8		F	
is	0	0	1	17343	1	7		F	
12345	0	1	0	0	0	0		T	
and	0	0	1	55187	1	4		F	
name	0	0	1	51	1	10		F	
is	0	0	1	17343	1	7		F	
britt	1	1	0	0	0	0		T	
fitch	1	1	1	1	0	0		T	
.	0	0	1	102847	0	0		F	

3.X is a new vision for the scrubber. As we approached diminishing returns for improving REGEX and whitelists/black lists, we have shifted towards a machine learning methods approach and learning from large bodies of medical information from publications and UMLS dictionaries.