Building a Rule-based NLP System
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## Syllabus

Day/Time	Topic	Lead	Note book	
Monday				
9-9:30	Introductions & set up	Wendy	00	
9:30-10	Introduce clinical problem & begin case definition process  • Pneumonia quiz • Small chart review	Wendy	01	
10-11	Explore data & create dataset	Kelly	02, 03	
11-11:30	Evaluation     Evaluation quiz     Evaluation script and demo	Kelly	04, 05	
11:30- 12:30	Visiting talk			
12:30- 1:30	Lunch	Create teams		
1:30-2:30	Error analysis and increasing named entity detection	Jianlin	06	
2:30-4	Work in teams to improve recall through enrichment of targets		06	
4-5	Discuss	Backup: regular expression intro		
Tuesday				
9:00-9:45	Activity highlighting variables in text and discussing what NLP systems need to know	Wendy	07a	
9:45- 11:30	Introduction to ConText and pyConText	Kelly	07b, 08, 09	

11:30- 1:30	Talk, lunch			
1:30-2:15	Classification rules	Jianlin	10, 11	
2:15-4	Optimize NLP apps in Project Notebook	Team	12	
4-5:00	Run apps on test set, prepare presentations <ul> <li>Describe your application</li> <li>Results</li> <li>Error analysis</li> <li>Future work - what would you do with more time?</li> </ul>			
Wednesday				
9-10	Annotate some documents	Jianlin		
10-11:00	Presentations	Students	13	
11-11:30	Walk through our solution & Discussion	Kelly		