

Student_1	Student_2	Student_3	Error codes	Details	Late	Grade		
34709733	300426996					100		
57931354	201014560		2B, 2C		3	90		
200170504	302461215		3A	3A - feature set is not rich enough; you could eliminate unseen (word,tag) instead of beam	1	95		
200397354	303016661	308106707				100		
201605375	302602909	201375656	1A			95		
203010574	305295875		1B, 2E (mor than 30 minutes), 2F, 3A, 3B	2F - did not us start symbol at all, 3A - feature set is not rich enough	1	74		
203184155	301882520		2F	2F - c(start_symbol) is 1 --> wrong transition probability for first word in sentence	1	97		
203549407	302933262				1	100		
203569264	204240246	316802222				100		
204306419	300584984					100		
204686257	302937313	205924376				100		
205653025	305169344	205485600	S, 2E (more than 10 minutes), 3C		5	65		
205969280	300602448	204389043	1C, 2F			94		
207935065	307092387		2F, 2E (more than 60 minutes), 2B, 3A	2F - in each sentence you counted twice start_symbol in c(start_symbol) , 3A - feature set is not rich enough	4	75		
300302593	305135956	305013559				100		
301481958	21667068	304865090	2F	2F - in each sentence you counted twice start_symbol in c(start_symbol)	3	97		
301751319	200380574	39453980	2B			93		
302893680	308353499	308046994	2F	2F- c(start_symbol) is always zero --> wrong transition probability for first word in sentence	3	97		
302930813	302487871		2E (more than 10 minutes), 2G, 2F	There is pruning policy which is not heuristic; 2F- c(start_symbol) is always zero --> wrong transition probability for first word in sentence	5	89		
305257206	304946445		2F	2F- c(start_symbol) is always zero --> wrong transition probability for first word in sentence		97		
305311367	203727029				3	100		
305470262	203264775	207861717	2F, 2E (more than 10 minutes), 3A	2F- c(start_symbol) is always zero --> wrong transition probability for first word in sentence, 3A - feature set is not rech enough; Viterbi accuracy is much lower than greedy accuracy	2	87		
318418951	204889026	208523068	2F, 3A	2F- c(start_symbol) is always zero --> wrong transition probability for first word in sentence	3	92		
							Avg:	92.91304348

Code	Description
S	Missing written solution
1A	Most Frequent Tagger - missing implementation of replacing rare words
1B	Most Frequent Tagger - words were lowercased
1C	Most Frequent Tagger - train procedure returns all POS tags, instead of single most frequent tag
2B	HMM - low accuracy on dev/test set (< 95%)
2C	HMM - returned elements of HMM_Train are not according to instructions
2E	HMM - long run time of HMM evaluation procedure
2F	HMM - wrong emission/transition probability involving start symbol
2G	HMM - no pruning
3A	MEMM - accuracy on test set is low (<96%)
3B	MEMM - missing error analysis
3C	MEMM - missing implementation of Viterbi , code collapse on greedy decoding