	Constaling At the L	Parameters					
	Specialized Labels  * labels in red are shared between teachers	1	Hidden	Learning		Fb	
		Layers	units	rate	Batch size	Epochs	
Table 2: Main exper	riments						
EMOTIONS							
Teacher0	0,1,2,3	1	32	0.001	8	1000	
Teacher1	1,2,4,5	1	64	0.001	8	1000	
Student	0,1,2,3,4,5	1	16	0.001	8	200	
SCENE							
Teacher0	0,1,2,3	1	16	0.001	8	1000	
Teacher1	1,2,4,5	1	32	0.001	8	1000	
Student	0, <mark>1,2</mark> ,3,4,5	1	16	0.001	8	200	
YELP							
Teacher0	0,1,2,3,7	1	128	0.001	32	1000	
Teacher1	2,4,5,6,7	1	256	0.001	32	1000	
Student	0,1,2,3,4,5,6,7	1	32	0.001	32	200	
YEAST							
Teacher0	0,1,2,3,4,5,6,7,8	1	32	0.001	8	1000	
Teacher1	2,3,6,7,9,10,11,12,13	1	64	0.001	8	1000	
Student	0,1, <mark>2,3</mark> ,4,5, <mark>6,7</mark> ,8,9,10,11,12,13	1	32	0.001	8	200	
BIRD	-, , , -, , -, , -, -, -, -, -, -, -, -,						
Teacher0	0,1,2,3,4,5,6,7,8,9,10,11,14	1	64	0.001	8	1000	
Teacher1	0,3,4,5,9,10,12,13,14,15,16,17,18	1	128	0.001	8	1000	
Student	0,1,2, <mark>3,4,5</mark> ,6,7,8, <mark>9,10</mark> ,11,12,13, <mark>14</mark> ,15,16,17,18	1	32	0.001	8	200	
TMC	0,1,2,0,1,0,0,1,0,0,120,121,120,121,120,121,120	_	"-	0.001			
Teacher0	0,1,2,3,4,5,6,7,8,9,12,14,19,20	1	128	0.001	128	1000	
Teacher1	0,6,10,11,12,13,14,15,16,17,18,19,20,21	1	256	0.001	128	1000	
Student	0,1,2,3,4,5,6,7,8,9,10,11,	1	64	0.001	128	200	
o cade	12,13,14,15,16,17,18,19,20,21	_	•	0.001	120		
GENBASE	12)13)11)13,10)11,13)120,21						
Teacher0	0,1,2,3,4,5,6,7,8,9,10,11,14,17,18,20,21,23	1	128	0.001	8	1000	
Teacher1	3,4,10,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26	1	256	0.001	8	1000	
Student	0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,	1	64	0.001	8	200	
Student	16,17,18,19,20,21,22,23,24,25,26	_	"	0.001		200	
MEDICAL	10,17,10,13,20,21,22,23,24,23,20						
Teacher0	0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,	1	128	0.001	16	1000	
redeficio	16,17,18,20,25,27,28,29,30,31,37,38,41,43	1	120	0.001	10	1000	
Teacher1	2,4,10,11,19,20,21,22,23,24,25,26,27,28,29,	1	256	0.001	16	1000	
redeficia	30,31,32,33,34,35,36,37,38,39,40,41,42,43,44	1	230	0.001	10	1000	
Student	0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,	1	64	0.001	16	200	
Student	19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,	*	04	0.001	10	200	
	34,35,36,37,38,39,40,41,42,43,44						
Table 3: Many teach							
3 Teachers	ICIS (ILLE)						
	0.1.4		120	0.001	22	1000	
Teacher0	0,1,4	1	128	0.001	32	1000	
Teacher1	1,2,5	1	256	0.001	32	1000	
Teacher2	2,3,6,7	1	256	0.001	32	1000	
Student	0,1,2,3,4,5,6,7	1	32	0.001	32	200	
4 Teachers	0.0.7		420	0.004	22	4000	
Teacher0	0,3,7	1	128	0.001	32	1000	
Teacher1	0,1,4	1	256	0.001	32	1000	
Teacher2	1,2,5	1	128	0.001	32	1000	
Teacher3	2,6	1	256	0.001	32	1000	
Student	<mark>0,1,2,3,4,5,6,7</mark>	1	32	0.001	32	200	
5 Teachers				_	_		
Teacher0	0,3,7	1	128	0.001	32	1000	
Teacher1	0,1,4	1	256	0.001	32	1000	
Teacher2	1,2,5	1	128	0.001	32	1000	

	Specialized Labels * labels in red are shared between teachers	Parameters						
		Layers	Hidden	Learning	Batch size	Epochs		
		Layers	units	rate				
Teacher3	2,6	1	256	0.001	32	1000		
Teacher4	2,7	1	256	0.001	32	1000		
Student	<mark>0,1,2</mark> ,3,4,5,6,7	1	32	0.001	32	200		
Table 4: Heterogene	eous teachers (SCENE)							
100%								
Teacher0	0,1,2,3,4,5	1	64	0.001	8	1000		
Teacher1	0,1,2,3,4,5	1	128	0.001	8	1000		
Student	0,1,2,3,4,5	1	16	0.001	8	200		
75%								
Teacher0	0,1,2,3,4	1	64	0.001	8	1000		
Teacher1	0,1,2,4,5	1	128	0.001	8	1000		
Student	<mark>0,1,2,3,4,5</mark>	1	16	0.001	8	200		
50%								
Teacher0	0,1,3,4	1	64	0.001	8	1000		
Teacher1	1,2,3,4,5	1	128	0.001	8	1000		
Student	0, <mark>1,</mark> 2, <mark>3,4</mark> ,5	1	16	0.001	8	200		
25%								
Teacher0	0,1,2,3	1	64	0.001	8	1000		
Teacher1	1,2,4,5	1	128	0.001	8	1000		
Student	0, <mark>1,2</mark> ,3,4,5	1	16	0.001	8	200		
0%								
Teacher0	0,1,2	1	64	0.001	8	1000		
Teacher1	3,4,5	1	128	0.001	8	1000		
Student	0,1,2,3,4,5	1	16	0.001	8	200		