## CSSE 473 — Day 5

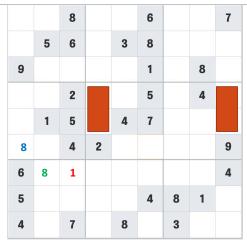
## Playing Sudoku the Smart Way

• The 1 is placed by constraints

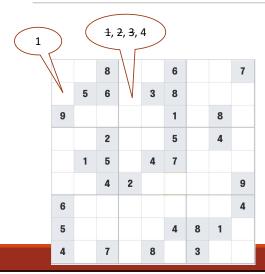
			,				
	8			6			7
5	6		3	8			
				1		8	
	2			5		4	
1	5		4	7			
	4	2					9
	1						4
				4	8	1	
	7		8		3		
		5 6 2 1 5 4 1	8 5 6 2 1 5 4 2 1 1	8 3 5 6 3 2 2 1 5 4 4 2	8   6     5   6   3   8     1   1   1   5     1   5   4   7     4   2   2   4     1   4   4   4	8 6   5 6 3 8   1 1   2 5   1 5 4 7   4 2   1 4 8	8   6     5   6     3   8     1   8     2   5     4   7     4   2     1   4     4   8     1     4   8

## Playing Sudoku the Smart Way

- The 8 is placed by constraints.
- The 8 is placed b inference, because the marked spaces are reserved for the other two 8s in the respective 3-3 boxes.



## Playing Sudoku the Brute-Force way



For instructional purposes, we begin at row 2.

