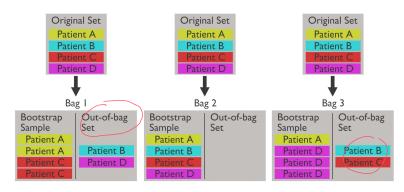
## Out of Bag Errors



Source: Wikipedia

- Find all models (or trees, in the case of a random forest) that are not trained by the OOB instance.
- ► Take the majority vote of these models' result for the OOB instance, compared to the true value of the OOB instance.
- Compile the OOB error for all instances in the OOB dataset.

_	Truth	Tree 1	Tree 2	Tree 3	Tiee 4	Tree 5	006 prediction	
Δ	Survived =	<b>√</b>	//spripy//	V	1//\$////	$\checkmark$	S	correct!
B	(Not . 5)	11/5/11	V	1///\$///	V	11/8/1	(5)	not correct
c	Surwed	√	V	11/8///	18/8///	/N/01/4/)	Not S.	not correct
0	qual Survival	//N/a/4//	1/801/5//	V	V	√	Not S.	CC110(T
			1			1		
F	v 06	serator f	1, rue	will use	Tree 2	, Tree "	4 to make	a 006

(art of bay)

production

only error (misclassi hoster = 3/4 = 50%)

rak