Problem Set 02

1. Scotts

Decide (by hand <u>and</u> WEKA) whether Logan is Scottish based on the following attributes and using a Naïve Bayes classifier. Logan likes shortbread, drinks whiskey and eats porridge but doesn't like lager and doesn't watch soccer. Bonus: use a smoothing technique.

Sample	Attributes					C ++: - -
	Shortbread	Lager	Whiskey	Porridge	Soccer	Scottish
S01	No	No	Yes	Yes	Yes	No
S02	Yes	No	Yes	Yes	Yes	No
S03	Yes	Yes	No	No	Yes	No
S04	Yes	Yes	No	No	No	No
S05	No	Yes	No	No	Yes	No
S06	No	No	No	Yes	No	No
S07	Yes	No	Yes	Yes	Yes	Yes
S08	No	Yes	No	No	Yes	Yes
S09	Yes	Yes	Yes	Yes	No	Yes
S10	Yes	Yes	No	Yes	No	Yes
S11	Yes	Yes	No	Yes	Yes	Yes
S12	Yes	No	Yes	Yes	No	Yes
S13	Yes	No	Yes	No	No	Yes