Naïve Bayes on World Cup Data

Predict whether team ends in group or knockout stage based on number of yellow cards per game and number of red cards per game

team	games	stage	yellowCards	redCards	yellowPerGame	yellows	redPerGame	reds
Algeria	3	group	4	2	1.33	low	0.67	high
Argentina	5	knockout	7	0	1.40	low	0.00	none
Australia	3	group	7	2	2.33	high	0.67	high
Brazil	5	knockout	7	2	1.40	low	0.40	high
Cameroon	3	group	5	0	1.67	medium	0.00	none
Chile	4	knockout	13	1	3.25	high	0.25	medium
Denmark	3	group	6	0	2.00	medium	0.00	none
England	4	knockout	6	0	1.50	medium	0.00	none
Germany	6	knockout	8	1	1.33	low	0.17	medium
Ghana	5	knockout	11	0	2.20	high	0.00	none
Greece	3	group	5	0	1.67	medium	0.00	none
Honduras	3	group	7	0	2.33	high	0.00	none
Italy	3	group	5	0	1.67	medium	0.00	none
Ivory Coast	3	group	5	0	1.67	medium	0.00	none
Japan	4	knockout	7	0	1.75	medium	0.00	none
Mexico	4	knockout	9	0	2.25	high	0.00	none
Netherlands	6	knockout	15	0	2.50	high	0.00	none

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group (.5)	yellows=low	.20	knockout (.5)	yellows=low	.33
	yellows=medium	.47		yellows=medium	.34
	yellows=high	.33		yellows=high	.33
	reds=none	.60		reds=none	.67
	reds=medium	.27		reds=medium	.27
	reds=high	.13		reds=high	.06

1. France: yellows=medium, reds=medium
   group or knockout?

2. USA: yellows=high, reds=none
   group or knockout?