

## APPENDIX A

Author	Data Source	Features Adapted	Technique Adapted	Sample Size	Observed Accuracy	Additional Information
(1)	Web browsing history (client side)	Session duration, number of viewed pages, average time spent per page, day of the week	J4.8 classifier	10	99.4%	Aggregation = 51, class prior = 10% Monotonicity observed
(2)			Heuristics based on Lift, support, and J48 pattern	50	90.12%	Sliding window = 100, based on
(3)			J48 classifier	50	$\geq 90\%$	Monotonicity not observed. Aggregation varies from 1 to 30
(4)	Click stream (client side)	Genre, days of week, time of day, number of page views, average duration of page views, time between page revisits	One class SVM, using ensemble classifier	10	56%	Accuracy = (TP - TN) - (FP + FN)
(5)			Multiclass classifier	12	75 -> 100%	
(6)			Conditional random field with feature weighting learning	14	66% $\pm$ 7	Accuracy = (TP - TN) - (FP + FN)
(7)			Hidden Markov model	10	< 0.6	Accuracy based on F-measure
(8)	DNS query (server side)	Session-based aggregation	Multinomial naive Bayes classifier with n-gram and cosine similarity	2,100	88.25%	Actual number of sample size studied not discussed.
(9)			Multinomial naive Bayes	28	73%	N/A
<b>Current Study</b>	<b>Server side</b>	<b><i>Inter-request time series, session duration, moments of request, revisit pattern, number of request per session</i></b>	<b><i>Vocabulary based on sequitur and set theory, J48, logistic regression, DTNB, REPTree, PART, LMT</i></b>	<b>11</b>	<b>99.31%</b>	<b><i>The unique vocabulary that indicates high internal consistency in web browsing behavior of sampled users. Inter-Session Aggregation = 1, implies no aggregation is considered for each session.</i></b>
				<b>21</b>	<b>99.08%</b>	
				<b>31</b>	<b>88.68%</b>	

## References

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