TextClassificationSpamVsHamInR Practice Asg

```
> sms_corpus_clean = tm_map(sms_corpus_clean, removeNumbers)
> stopwords()
  [1] "i"
                    "me"
                                   "my"
                                                 "myself"
                                                               "we"
  [6] "our"
                    "ours"
                                   "ourselves"
                                                 "you"
                                                               "your"
                                                 "he"
                                                               "ĥim"
 [11] "yours"
                     "yourself"
                                   "yourselves"
 [16] "his"
                    "himself"
                                   "she"
                                                 "her"
                                                               "hers"
 [21] "herself"
                    "it"
                                                 "itself"
                                   "its"
                                                               "they"
 [26] "them"
                    "their"
                                                 "themselves"
                                                               "what"
                                   "theirs"
 [31] "which"
                    "who"
                                                 "this"
                                   "whom"
                                                               "that"
                                   "am"
                                                 "is"
 [36] "these"
                    "those"
                                                               "are"
 [41] "was"
                    "were"
                                   "be"
                                                 "been"
                                                               "being"
 [46] "have"
                    "has"
                                   "had"
                                                 "having"
                                                               "do"
                    "did"
 [51] "does"
                                   "doing"
                                                 "would"
                                                               "should"
 [56] "could"
                    "ouaht"
                                   "i'm"
                                                 "you're"
                                                               "he's"
                                                 "they're"
                    "it's"
                                                               "i've"
 [61] "she's"
                                   "we're"
 [66] "you've"
                                                 "i'd"
                    "we've"
                                   "they've"
                                                               "you'd"
 [71] "he'd"
                    "she'd"
                                   "we'd"
                                                 "they'd"
                                                               "i'11"
                    "he'11"
                                                 "we'11"
 [76] "you'11"
                                   "she'11"
                                                               "they'11"
 [81] "isn't"
                    "aren't"
                                   "wasn't"
                                                 "weren't"
                                                               "hasn't"
 [86] "haven't"
                    "hadn't"
                                   "doesn't"
                                                 "don't"
                                                               "didn't"
 [91] "won't"
                    "wouldn't"
                                   "shan't"
                                                 "shouldn't"
                                                               "can't"
                    "couldn't"
                                   "mustn't"
                                                 "let's"
                                                               "that's"
 [96] "cannot"
[101] "who's"
                    "what's"
                                   "here's"
                                                 "there's"
                                                               "when's"
                                                               "an"
[106] "where's"
                    "why's"
                                   "how's"
                                                 "if"
                                                               "or"
[111] "the"
                    "and"
                                   "but"
                                                               "of"
[116] "because"
                    "as"
                                   "until"
                                                 "while"
[121] "at"
                    "by"
                                                 "with"
                                                               "about"
                                   "for"
                                   "into"
                                                 "through"
[126] "against"
                    "between"
                                                               "during"
                                                 "below"
[131] "before"
                    "after"
                                   "above"
                                                               "to"
[136] "from"
                    "up"
                                                 "in"
                                                               "out"
                                   "down"
[141] "on"
                    "off"
                                   "over"
                                                 "under"
                                                               "again"
                    "then"
                                                 "here"
[146] "further"
                                   "once"
                                                               "there"
                    "where"
                                                 "how"
                                                               "a11"
[151] "when"
                                   "why"
                    "both"
                                   "each"
                                                 "few"
                                                               "more"
[156] "any"
```

Total Observations in Table: 1390

	actual		
predicted	ham	spam	Row Total
ham	1201 0.864	30 0.022	1231
spam	6 0.004	153 0.110	159
Column Total	1207	183	1390

Cell Contents

N I
N / Table Total

Total Observations in Table: 1390

	actual		
predicted	ham	spam	Row Total
ham	1189 0.855	16 0.012	1205
spam	18 0.013	167 0.120	185
Column Total	1207	183	1390