
Algorithm 1 *

Require: s : sentence to chunk

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1: buffer = [] /*Undecided expanding window of chunk*/
2: chunks = [] /*Decided labelled segment*/
3: buffer_language ← LANGPREDICT( $s[0]$ ) /* Language of first word */
4: flag ← 0
5: for all  $w \in s$  do
6:   if LANGPREDICT( $w$ )=buffer_language then
7:     if flag = 1 then
8:       buffer ← buffer + [word_buffer, $w$ ]
9:       flag ← 0
10:    else
11:      buffer ← buffer + [  $w$ ]
12:  if LANGPREDICT( $w$ )  $\neq$  buffer_language then
13:    if flag= 0 then
14:      flag ← 1
15:      word_buffer ←  $w$ 
16:      continue
17:    else
18:      chunks ← chunks + [(buffer,buffer_language)]
19:      buffer ← [word_buffer, $w$ ]
20:      buffer_language ← LANGPREDICT( $w$ ) /* Language of new expanding chunk */
21:      flag ← 0
22: if length(buffer)  $\neq$  0 then
23:   chunks ← chunks + [(buffer,buffer_language)]
```

Figure 1: Chunking Algorithm