Neural Machine Translation with FastMoS

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August 2019

1 Introduction

In recent years, machine translation make great progress especially in neural machine translation [8, 5, 2, 6, 7, 1, 3]. In [4], they use a fast mos to obtain great performance on some machine translation corpora. In this project, we investigate this method to improve the performance of other machine translation corpora.

2 Results

<table>
<thead>
<tr>
<th>Architecture</th>
<th>MT02</th>
<th>MT03</th>
<th>MT04</th>
<th>MT05</th>
<th>MT08</th>
<th>Speed(ms/batch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transformer</td>
<td>46.45</td>
<td>45.12</td>
<td>45.84</td>
<td>45.52</td>
<td>35.50</td>
<td>17.1</td>
</tr>
<tr>
<td>Transformer + FastMoS (3)</td>
<td>47.92</td>
<td>46.55</td>
<td>47.12</td>
<td>47.01</td>
<td>36.90</td>
<td>30.7</td>
</tr>
</tbody>
</table>

Table 1: Performance w/o FastMos on Zh-En corpus

References


