

Phase	Exam	Run1	Run2	Run3
1	National Center Test (1999)	43	<u>46</u>	36
2	Benesse mock exam (2015 Jun/All/out of 175)	<u>121</u>	121	118
3	National Center Test (2011)	65	65	<u>68</u>
3	Benesse mock exam (2014 Sep/All/out of 125)	<u>77</u>	76	76

÷ Convert to

Factoid Score

Aggregate

Answer

PMI Score

Rank Score

Abstr

Tree Mate

	noice pred <u>establish</u> bj
	wwedge pred_settle
122	
	m <u>Score</u> 'e define SimScore(Tree Similarity Score) as below. Here, T _h is the
1	noice sentence and T_t is the sentence in knowledge.
	$f_{T}(T_{h}, T_{t}) = f_{m}\left(T_{h}^{pred}, T_{t}^{pred}\right) * \max_{r' \in R'} f_{m}\left(T_{h}^{r'}, T_{t}^{r'}\right) * \frac{1}{ R } \sum_{e \in \mathcal{P}} f_{m}(T_{h}^{r}, T_{t}^{r})$
	f_1 is set of role <i>r</i> 's words, $f_m(A, B)$ is a function which returns 1 if or word in A matches any of words in B. '= { <i>sbj</i> , <i>obf</i> }, <i>R</i> = { <i>sbj</i> , <i>obf</i> }, <i>time</i> , <i>loc</i> , <i>loc</i> - <i>to</i> }
1	MScore
1	e define WMScore (Word Match Score) as below.
	$f_W(T_h, T_t) = Boost(T_h, T_t) * \frac{1}{ W_h } \sum_{w_h \in W_h} \max_{w_t \in W_t} f_w(w_h, w_t)$
	ere, W_h is words set in T_h , $f_w(w_h, w_t)$ is a function which returns 0 if w_h matches w_t , $Boost(T_h, T_t)$ is a function which returns 2.0 mScore exceeds 0.5, otherwise 1.0. This score considers not only atch rate of words, but also SimScore.
1	EMScore e define WEMScore (Word Exclude Match Score) as below.
	EMScore e define WEMScore (Word Exclude Match Score) as below. $f_{-W}(T_h, T_t) = \max_{w'_h \in W'_h} \max_{w'_t \in W'_t} f_e(w'_h, w'_t)$ ere, W'_h is a word which does not match any of words in T_t ,
	$\begin{array}{l} \hline \textbf{EMScore} \\ \textbf{e} \mbox{ define WEMScore (Word Exclude Match Score) as below.} \\ f_{-W}(T_h,T_t) = \max_{w_t' \in W_t, w_t' \in W_t'} f_e(w_h',w_t') \end{array}$
	EMScore e define WEMScore (Word Exclude Match Score) as below. $f_{-W}(T_h, T_t) = \max_{w'_h \in W'_h w_t \in W'_t} f_e(w'_h, w'_t)$ ere, W'_h is a word which does not acth any of words in T_t , (w'_h, w'_t) is a function which returns 1.0 if w'_h holds exclusive
	EMScore e define WEMScore (Word Exclude Match Score) as below. $f_{-W}(T_h, T_t) = \underset{w'_h \in W'_h w'_f \in W'_h}{max} f_e(w'_h, w'_t)$ ere, W'_h is a word which does not match any of words in T_t . (w'_h, w'_t) is a function which returns 1.0 if w'_h holds exclusive lation against w'_t . We detect wrong word. We judge True, False by the WMScore and
	EMScore e define WEMScore (Word Exclude Match Score) as below. $f_{-W}(T_h, T_t) = \underset{w_h \in W_h^*, w_t \in W_t^*}{max} f_e(w_h^*, w_t^*)$ ere, W_h^* is a word which does not match any of words in T_t . (w_h^*, w_t^*) is a function which returns 1.0 if w_h^* holds exclusive lation against w_t^* . We detect wrong word. We judge True, False by the WMScore and WEMScore.
	EMScore e define WEMScore (Word Exclude Match Score) as below. $f_{-W}(T_h, T_t) = \max_{w'_h \in W'_h w'_i \in W'_h} f_e(w'_h, w'_t)$ ere, W'_h is a word which does not match any of words in T_t . (w'_h, w'_t) is a function which returns 1.0 if w'_h holds exclusive lation against w'_t . We detect wrong word. We judge True, False by the WMScore and WEMScore. Scussion/Error Analysis
	EMScore e define WEMScore (Word Exclude Match Score) as below. $f_{-W}(T_h, T_t) = \underset{w_h \in W_h^*, w_t \in W_t^*}{max} f_e(w_h^*, w_t^*)$ ere, W_h^* is a word which does not match any of words in T_t . (w_h^*, w_t^*) is a function which returns 1.0 if w_h^* holds exclusive lation against w_t^* . We detect wrong word. We judge True, False by the WMScore and WEMScore. scussion/Error Analysis use of error
	EMScore e define WEMScore (Word Exclude Match Score) as below. $f_{-W}(T_h, T_t) = \underset{w_h \in w_h^*, w_t^* \in w_t^*}{m_h^*, w_t^* \in w_t^*} f_e(w_h^*, w_t^*)$ ere, W_h^* is a word which does not match any of words in T_t . (w_h^*, w_t^*) is a function which returns 1.0 if w_h^* holds exclusive lation against w_t^* . We detect wrong word. We judge True, False by the WMScore and WEMScore. Scussion/Error Analysis use of error Main causes o frequent NE.
	EMScore e define WEMScore (Word Exclude Match Score) as below. $f_{-W}(T_h, T_t) = \underset{w_h \in W_h, w_t \in W_t}{max} f_e(w_h, w_t')$ ere, W_h' is a word which does not match any of words in T_t . (w_h, w_t') is a function which returns 1.0 if w_h' holds exclusive lation against w_t . We detect wrong word. We judge True, False by the WMScore and WEMScore. Scussion/Error Analysis use of error Main causes o frequent NE. It to match synonym.

Fail to recognize replacement of sbj and obj. Fail to extract time expression.