

Frame-level features

1st frame $f_f^1: f_f^1[1], \dots, f_f^1[19]$

2^{ed} frame $f_f^2: f_f^2[1], \dots, f_f^2[19]$

...

Mth frame $f_f^M: f_f^M[1], \dots, f_f^M[19]$

Word 1

Word 2

...

Word W

Stroke segment-level features

1st stroke segment $f_{ss}^1: f_{ss}^1[1], \dots, f_{ss}^1[19 * L_{ss}]$

2^{ed} stroke segment $f_{ss}^2: f_{ss}^2[1], \dots, f_{ss}^2[19 * L_{ss}]$

...

Jst stroke segment $f_{ss}^J: f_{ss}^J[1], \dots, f_{ss}^J[19 * L_{ss}]$

...

Extract

Vocabulary

Primitives: $f_{ss}^{p,1}, \dots, f_{ss}^{p,K}$

Indices: $1, \dots, K$

Style-level feature

Histogram

1st sample:
 $f_s^1[1], \dots, f_s^1[L_s]$

2st sample:
 $f_s^2[1], \dots, f_s^2[L_s]$

...

Sst sample:
 $f_s^S[1], \dots, f_s^S[L_s]$

Co-occurrence matrix

K	3	12		8
$K-1$	0	5	...	25
...				
1	32	2	...	1
	1, 2, ...			K

K	10	0		4
$K-1$	9	4	...	1
...				
1	12	8	...	7
	1, 2, ...			K

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