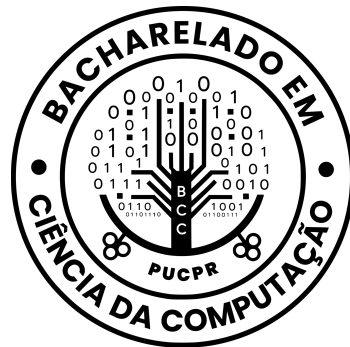




PUCPR
GRUPO MARISTA

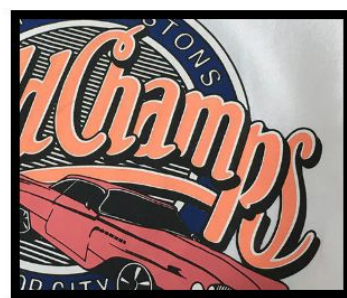


AVALIANDO ABORDAGENS DO ESTADO DA ARTE PARA RECONHECIMENTO DE TEXTOS ARTÍSTICOS

Lucas Azevedo Dias
Henrique Anderle Schulz
Rafaela de Miranda
Guilherme de Lara Peres
Pedro Lucas Bittencourt

TAREFA

Reconhecimento de Textos Artísticos (ATR)



→ Champs

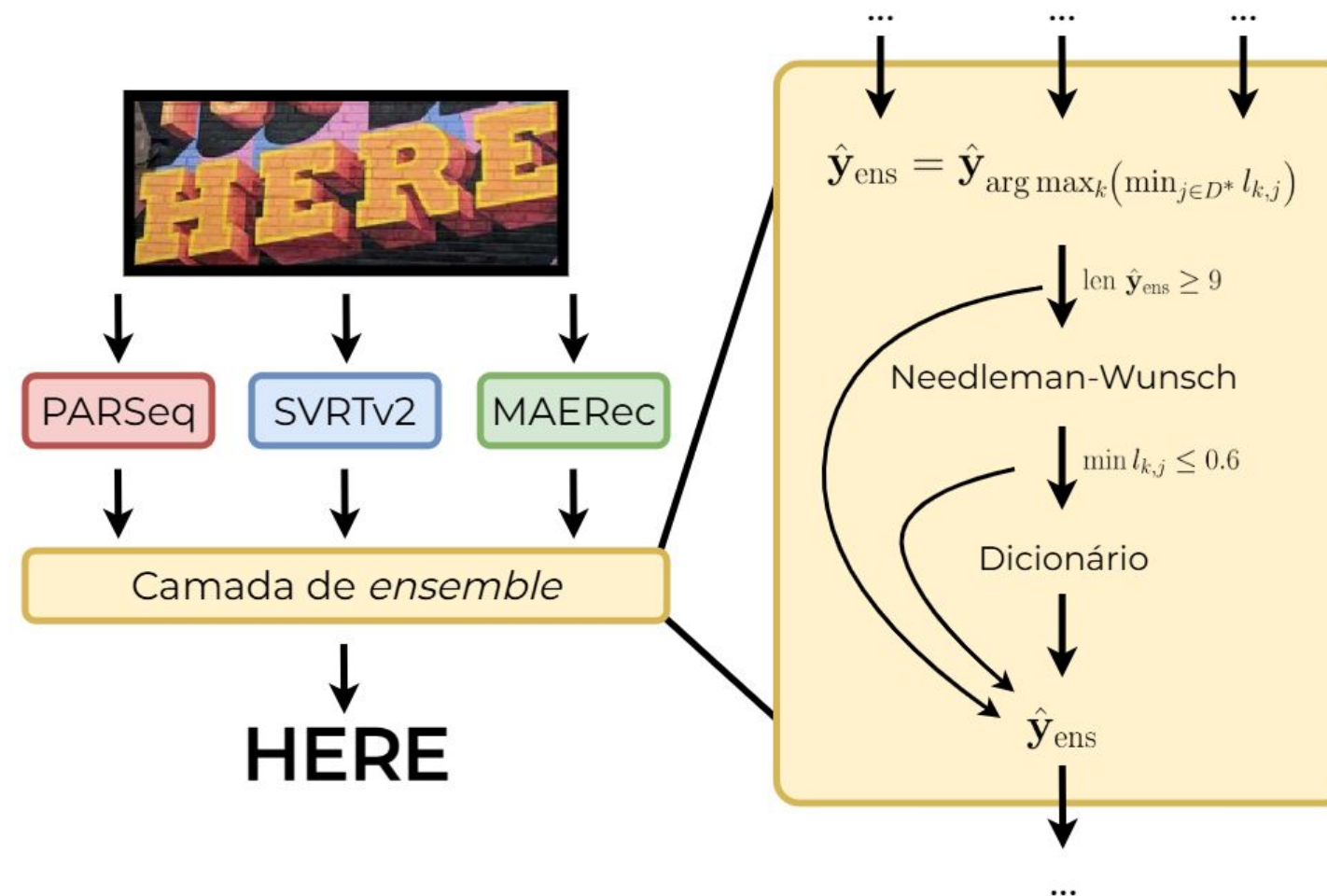
Problema

Muitas fontes e estilos

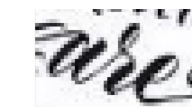
MOTIVAÇÃO

Superar resultados da competição ICDAR 2024

Posição	Equipe	WRA (%)
1	Ocr For WordArt	91,07
2	ViettelAI-OCR	90,77
3	Let Me See	89,77
4	iPad_OCR	89,27



RESULTADOS QUALITATIVOS



PARSeq: are (0.94)
SVTRv2: are (0.89)
MAERec: ure (0.88)
ENSEMBLE: are (0.94)
LABEL: are



PARSeq: politeress (0.93)
SVTRv2: politeress (0.90)
MAERec: politeress (0.93)
ENSEMBLE: politeness (1.00)
LABEL: politeness



PARSeq: cherry (0.94)
SVTRv2: chenny (0.89)
MAERec: champag (0.74)
ENSEMBLE: cherry (0.94)
LABEL: cherry



PARSeq: ccremony (0.87)
SVTRv2: ceremony (0.87)
MAERec: coronery (0.78)
ENSEMBLE: ceremony (0.87)
LABEL: ceremony



PARSeq: afelica (0.78)
SVTRv2: metallick (0.87)
MAERec: yangyuan (0.60)
ENSEMBLE: afelica (0.78)
LABEL: metallica

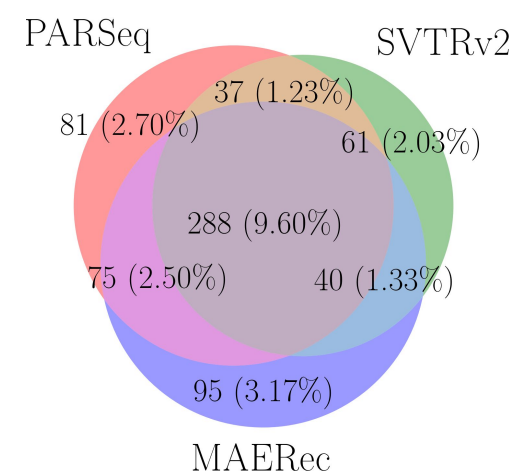


PARSeq: seller (0.95)
SVTRv2: seller (0.90)
MAERec: seller (0.82)
ENSEMBLE: seller (0.95)
LABEL: setter



GitHub

Análise de erros



Estudo de ablação

Modelo	Orig. (%)	Aj. (%)
SVTRv2	87,53	88,13
PARSeq	87,23	87,60
MAERec	86,93	87,50

Método	WRA (%)	G. (%)	G. Aj. (%)
Nenhum	89,67	-	-
NW	89,73	+0,1	+1,1
D	89,73	+0,1	+1,1
NW e D	89,90	+0,2	+3,8

Resultados

