

# MSAMSum: Towards Benchmarking Multi-lingual Dialogue Summarization



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## Xiachong Feng, Xiaocheng Feng, Bing Qin Harbin Institute of Technology, China

### Introduction

#### Dialogue Summarization

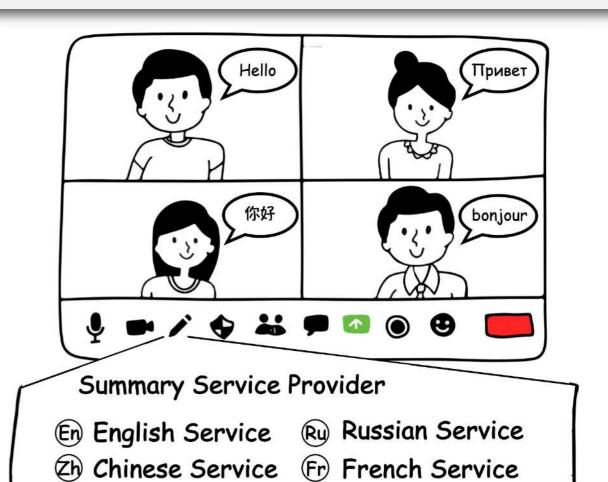
• Dialogue summarization helps users capture salient information from various types of dialogues has received much attention recently.

#### • Problem

• Current works mainly focus on English dialogue summarization, leaving other languages less well explored.

#### Solution

• We propose a multi-lingual dialogue summarization task. We create MSAMSum, which covers dialogue-summary pairs in six languages. Furthermore, we set up five multi-lingual settings to benchmark extensive experiments.

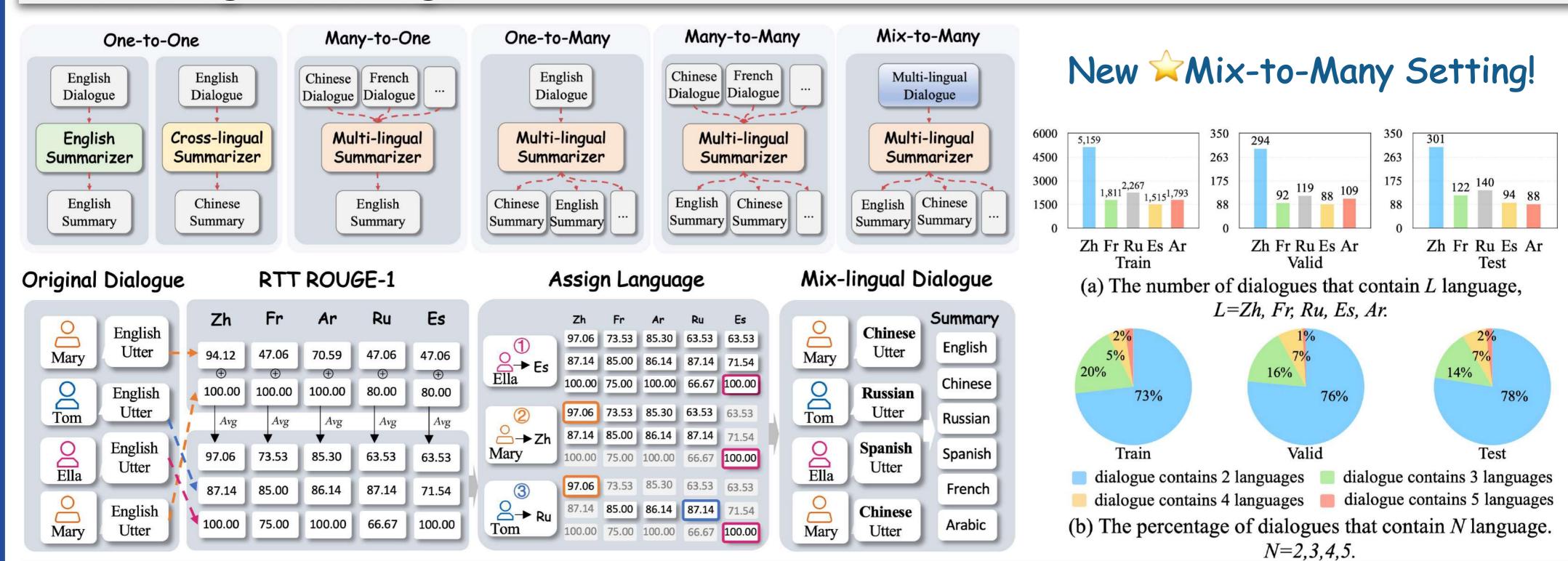


#### \* MSAMSum Dataset

- First, We select SAMSum as our source English dataset.
- Then, we translate it into five other official languages.
- Finally, we employ two methods: round-trip translation and textual entailment to filter out low-quality translations.



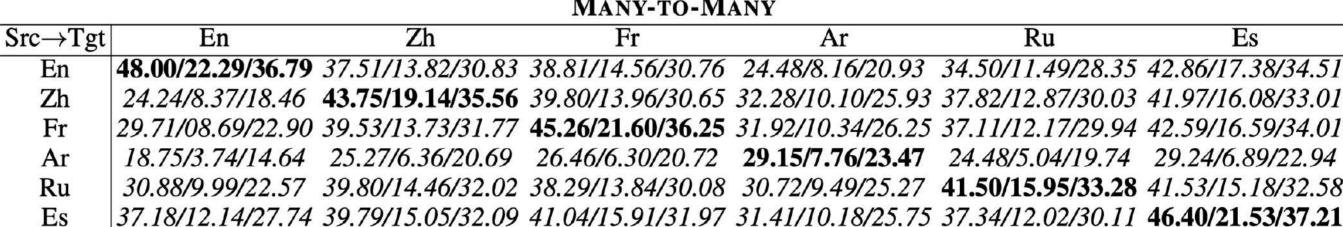
## Multi-lingual Settings



## Experiments

ONE-TO-ONE										
$Src \rightarrow Tgt$	R-1	R-2	R-L							
Mono-lingual										
En→En	49.16	24.18	40.15							
$Es \rightarrow Es$	43.95	20.01	35.87							
$Zh{ ightarrow}Zh$	40.11	16.93	33.48							
$Fr \rightarrow Fr$	41.77	19.20	34.47							
$Ru{\rightarrow}Ru$	37.95	15.74	31.76							
Ar→Ar	28.66	6.61	23.07							
Cross-lingual										
Zh→En	45.75	20.18	36.90							
$En \rightarrow Zh$	42.62	17.43	34.88							

MANY-TO-ONE			ONE-TO-MANY				MIX-TO-MANY						
rc→Tgt	R-1	R-2	R-L		$Src \rightarrow Tgt$	R-1	R-2	R-L		$Src \rightarrow Tgt$	R-1	R-2	R-L
En→En	48.18	22.43	38.63		En→En	49.84	24.73	40.67		Mix→En	44.68	17.78	35.17
Zh→En	45.01	17.76	35.49		$En \rightarrow Es$	47.27	21.82	37.87		$Mix \rightarrow Es$	43.51	18.08	34.75
Fr→En	44.22	18.49	35.30		$En \rightarrow Zh$	43.86	18.25	35.56		$Mix \rightarrow Zh$	40.76	15.76	33.14
Ar→En	31.09	08.00	24.18		$En \rightarrow Fr$	44.33	19.58	35.20		$Mix \rightarrow Fr$	41.50	17.04	32.76
Ru→En	44.20	17.53	35.06		$En{ ightarrow}Ru$	41.26	15.76	33.00		$Mix \rightarrow Ru$	38.26	13.38	30.75
Es→En	44.50	17.97	35.56		En→Ar	39.71	14.96	32.82	. ,	Mix→Ar	36.06	12.09	29.60
MANY-TO-MANY													





Data

Paper

Email: xiachongfeng@ir.hit.edu.cn Homepage: http://xcfeng.net/