

# **VIETNAMESE ASPECT BASED SENTIMENT ANALYSIS USING DEEP LEARNING**

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# OUTLINE

1. INTRODUCTION
2. DETAIL APPROACH
3. DEMO



# INTRODUCTION

- What is Aspect Based Sentiment Analysis?
- Has anyone done it yet?
- Problem?



## **DETAIL APPROACH**

- Data
- Pre-Processing
- Modeling
- Evaluation
- Limitations of the approach
- Development



# DATA

VLSP 2018



# PRE-PROCESSING

- Reduce size of vocabulary:
  - Normalize
  - Spelling correction
  - Insert sentence break symbol
- Word Tokenizer



# MODELING

## MODEL SUMMARY



# EVALUATION





# EVALUATION

REASON ?? 😄 ??



**DEMO**

NAVIGATE TO  
DEMO





# Q & A



**Thanks for your attention  
best regards.**