

Visualization of Model Predicting Cumulative Utterances (Predicted Label heatmap)

Chunyen

2024/3/24

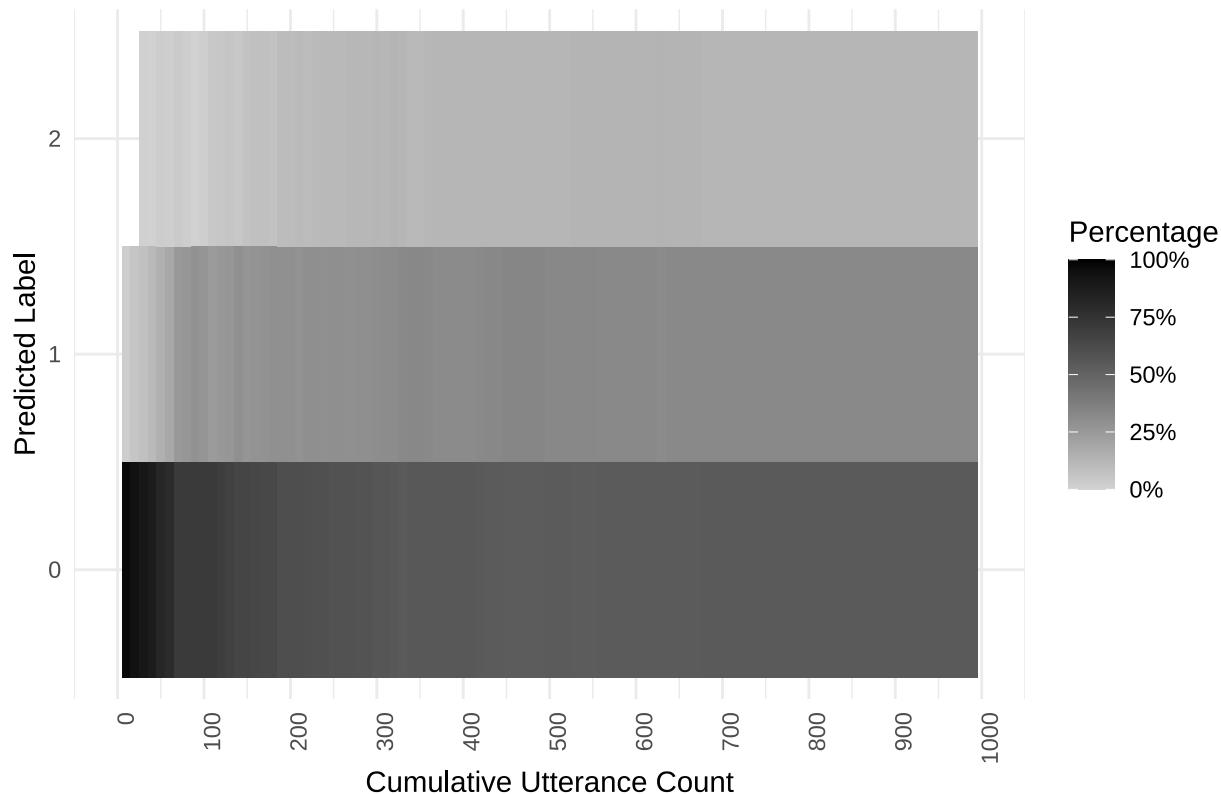
Introduction

視覺化逐句累積輸入時模型預測的模型預測類別。

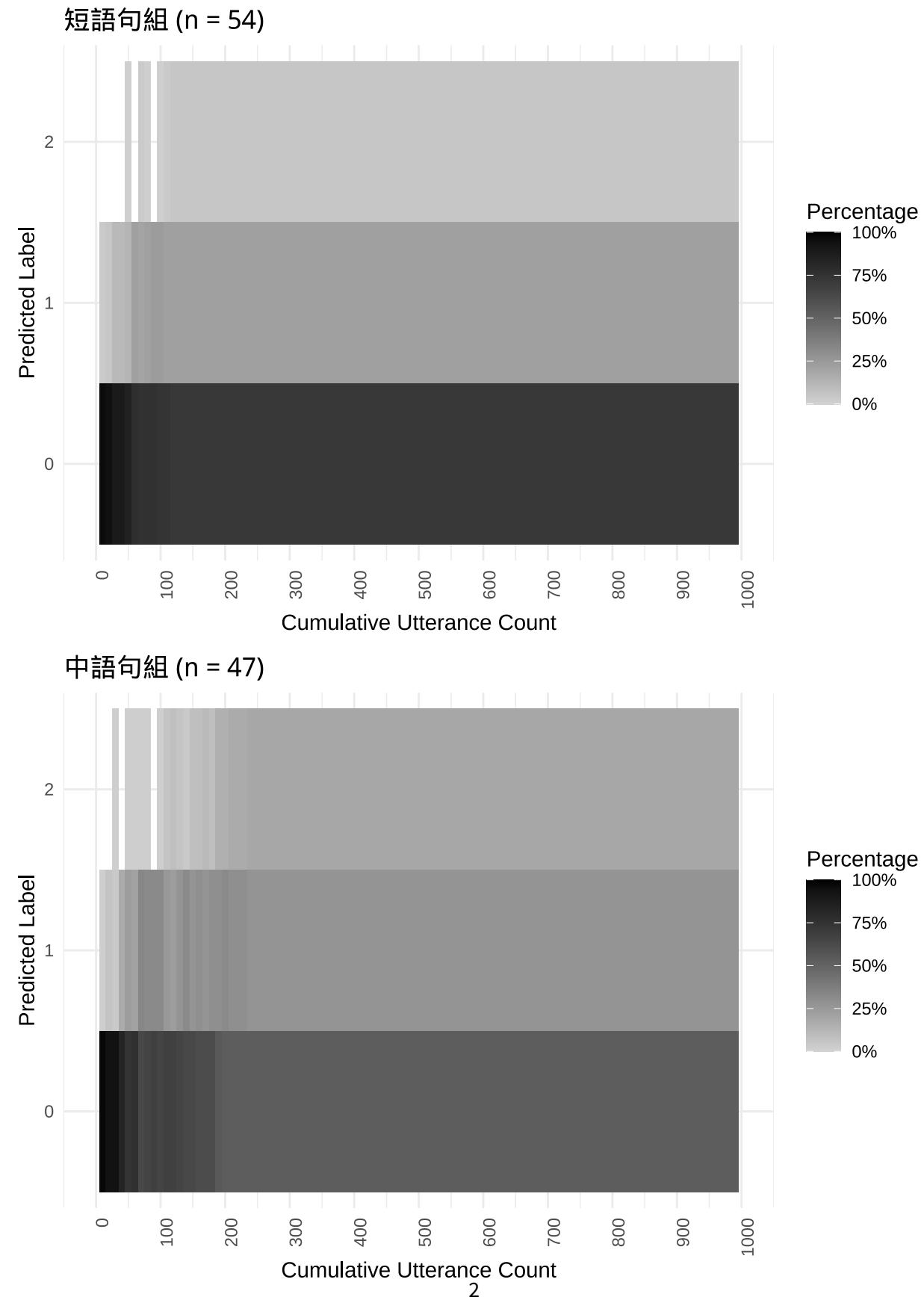
Function

Risk3 X RF Model

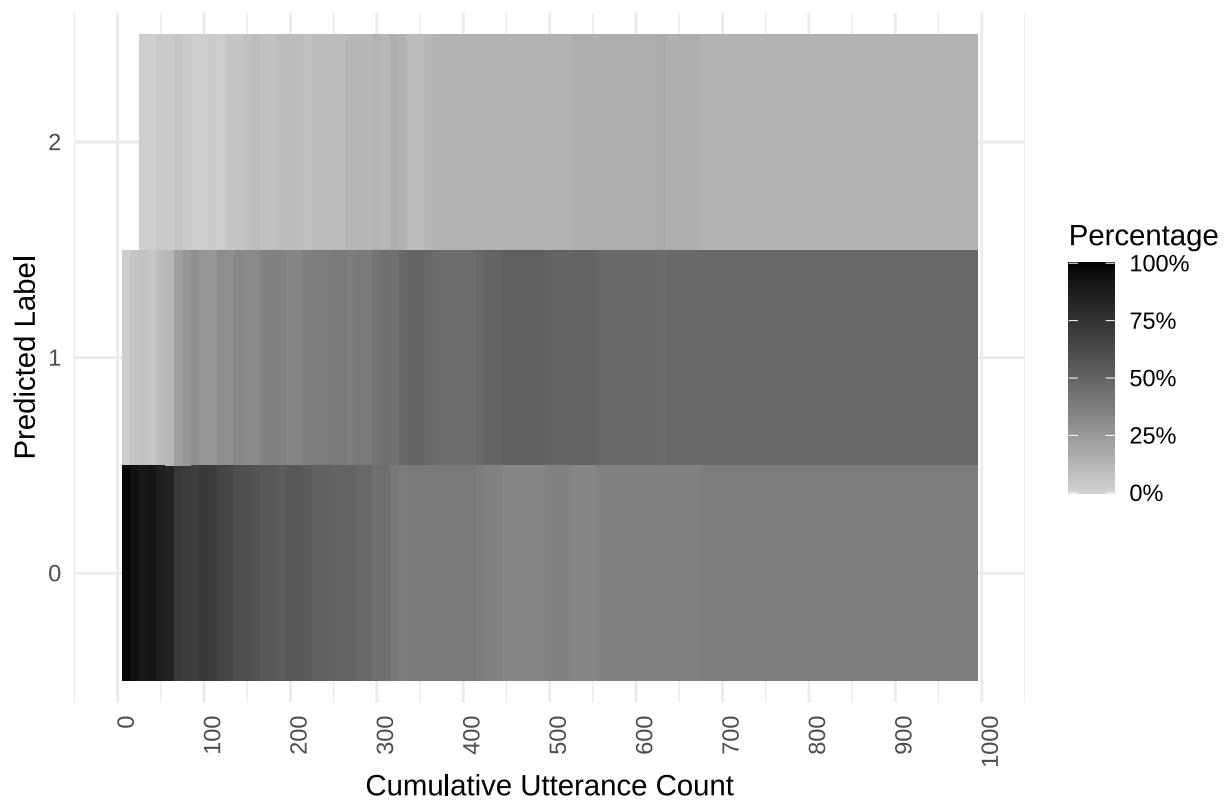
RF Model Predicted Label Over Cumulative Utterances (n = 151)

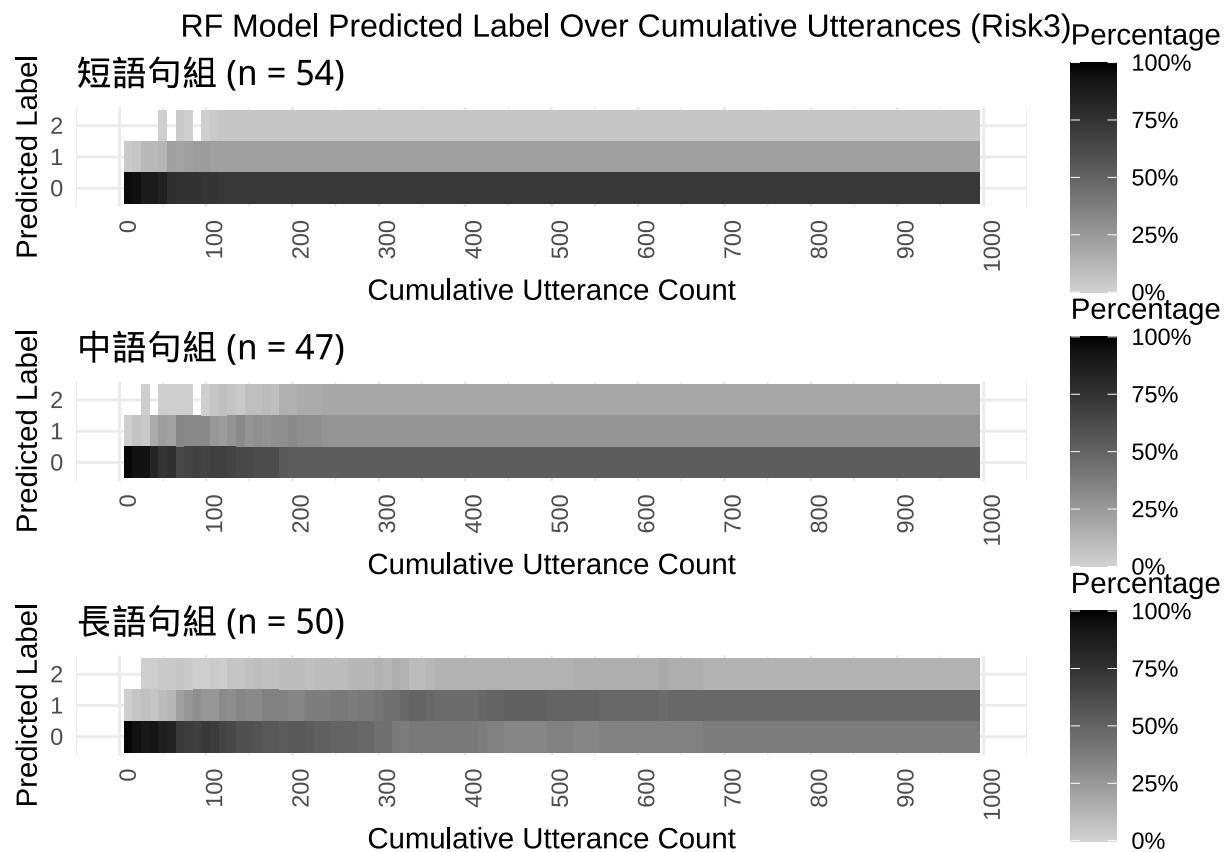


groupby utterance number

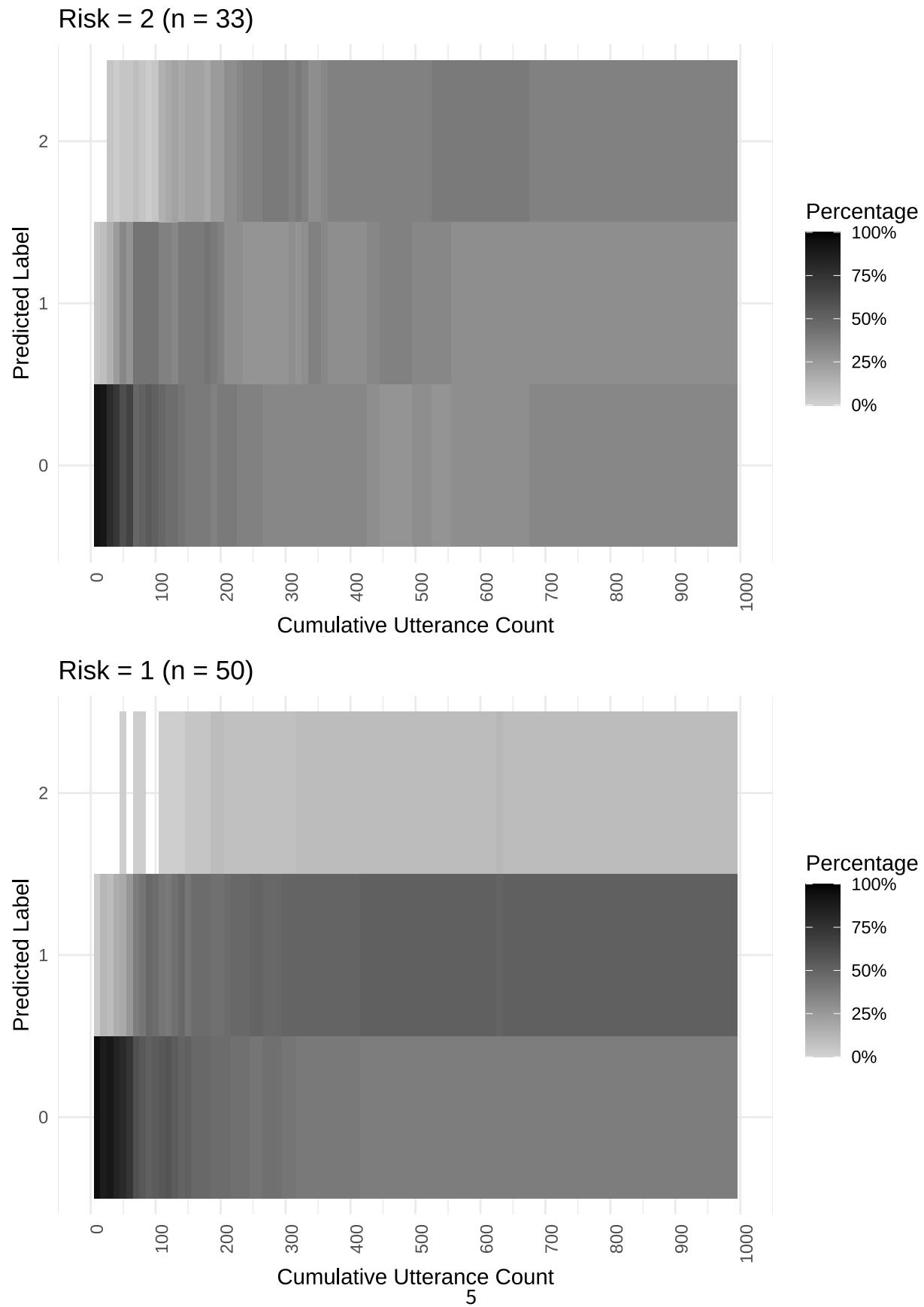


長語句組 ($n = 50$)

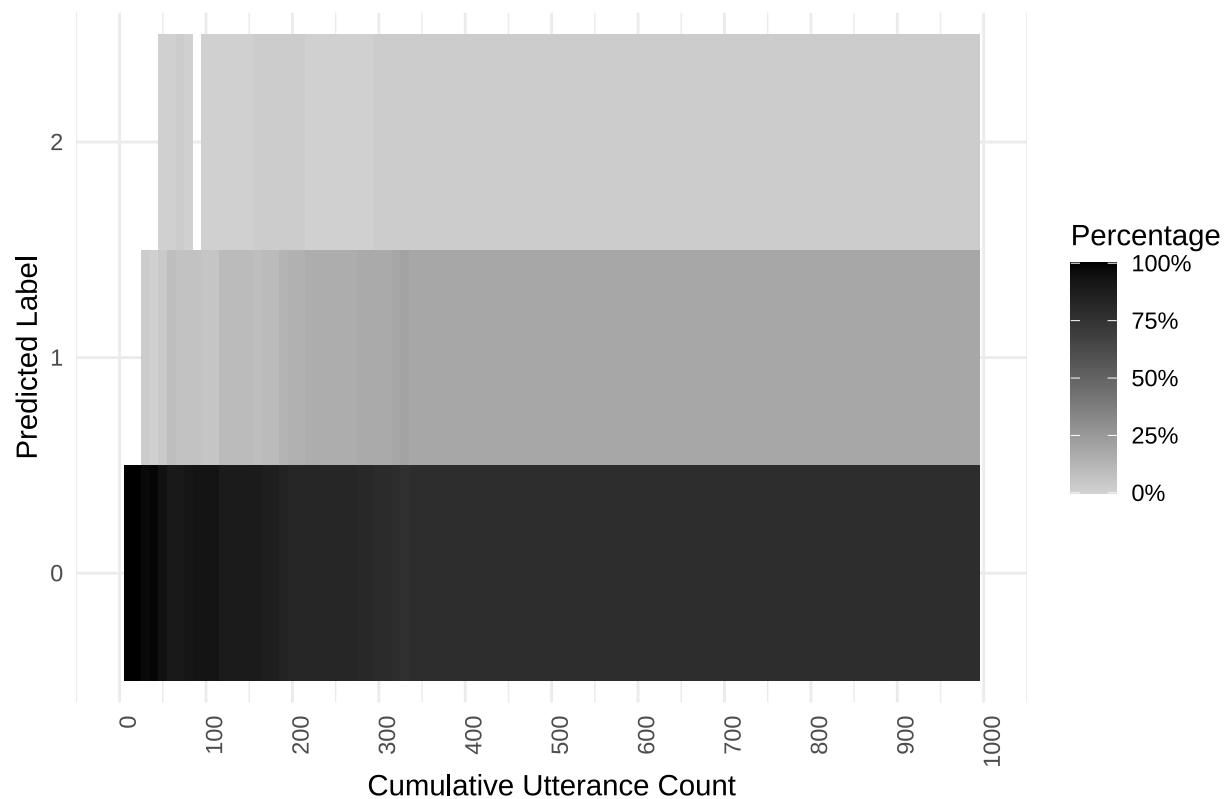


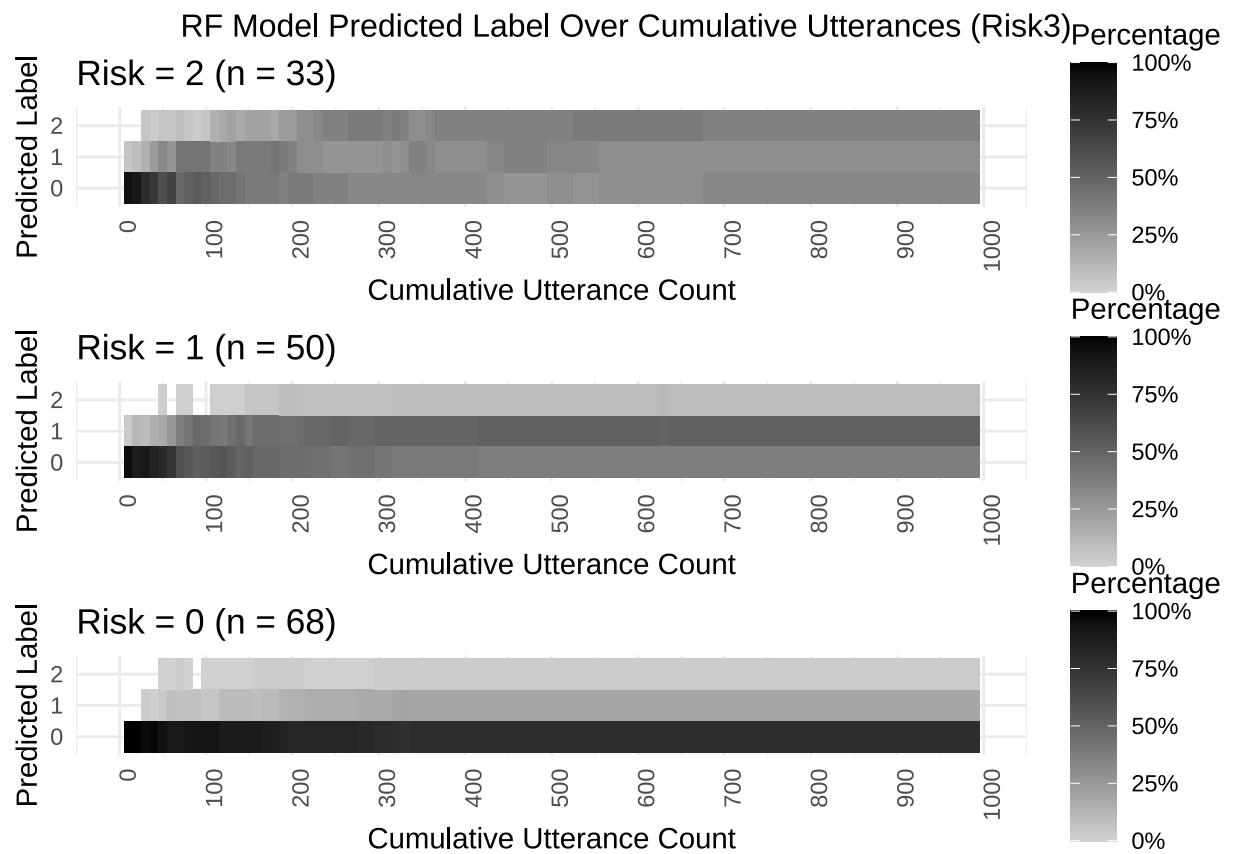


groupby risk level



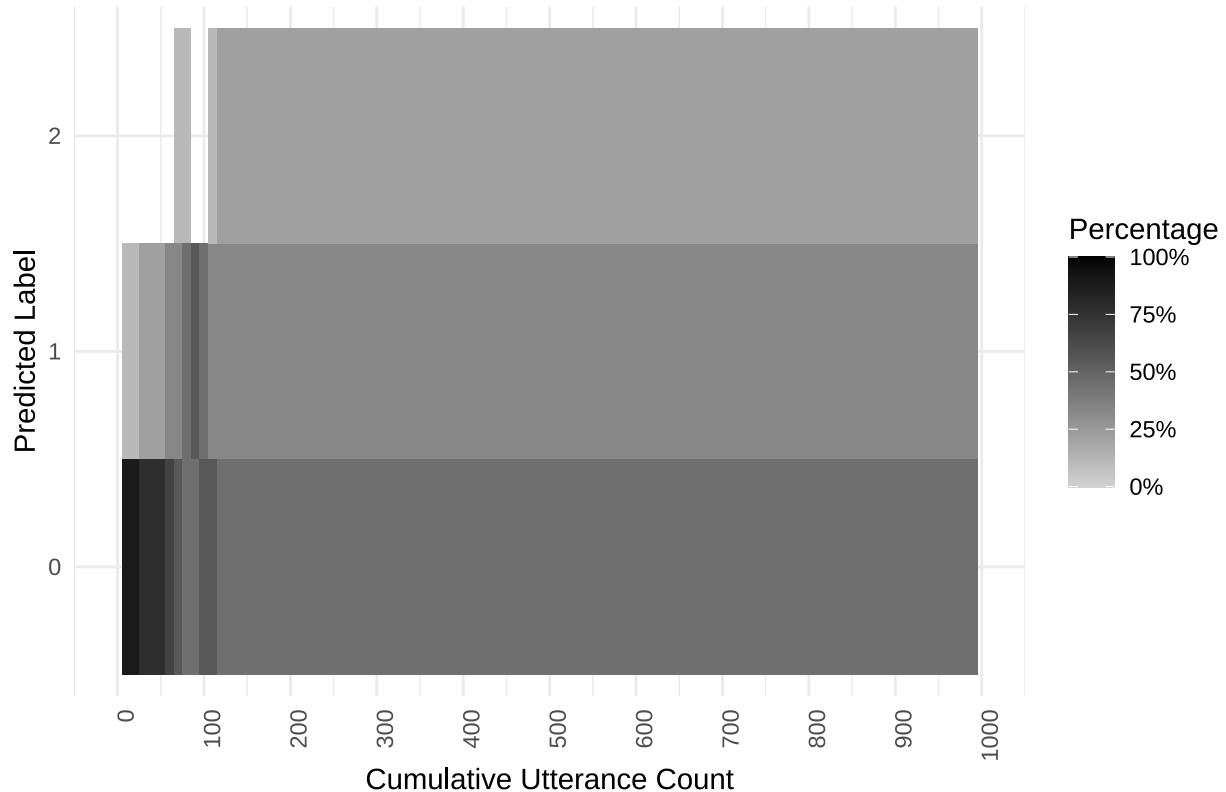
Risk = 0 (n = 68)



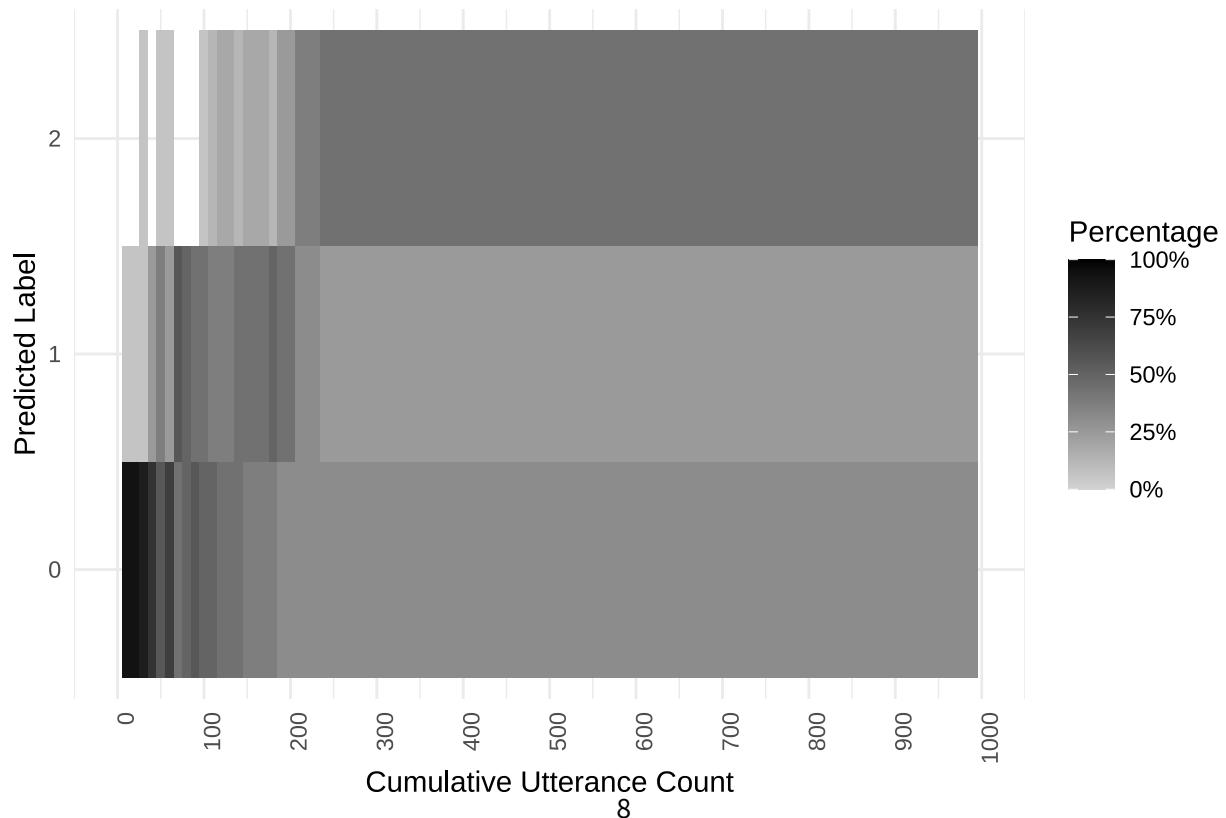


group by risk level and utterance number

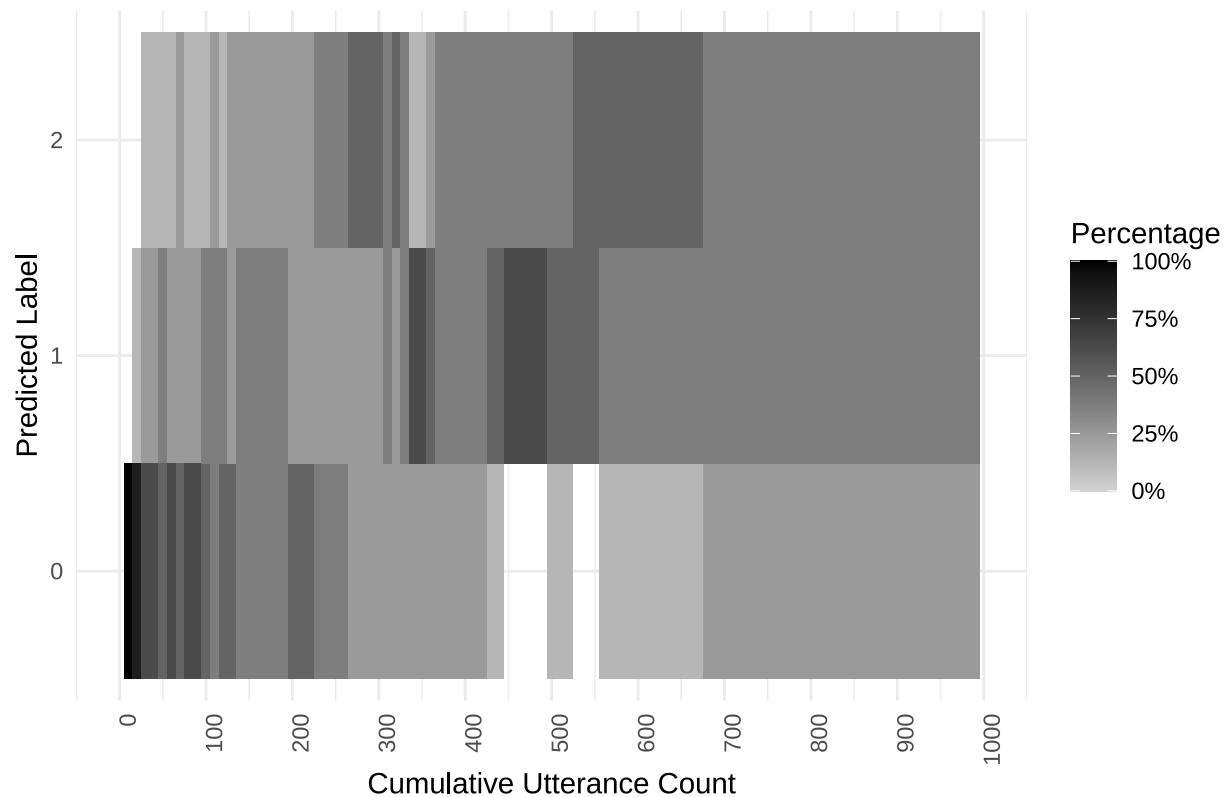
Risk = 2, 短語句組 (n = 9)

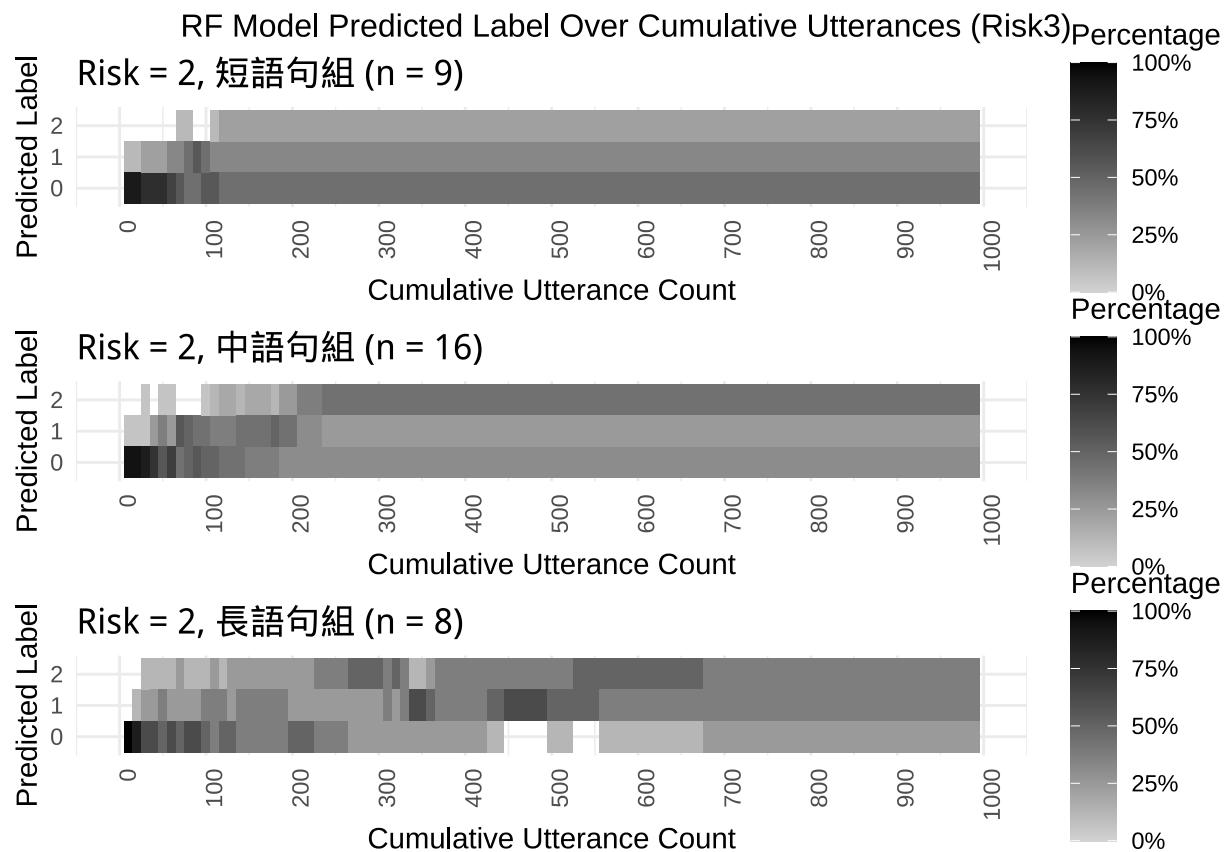


Risk = 2, 中語句組 (n = 16)

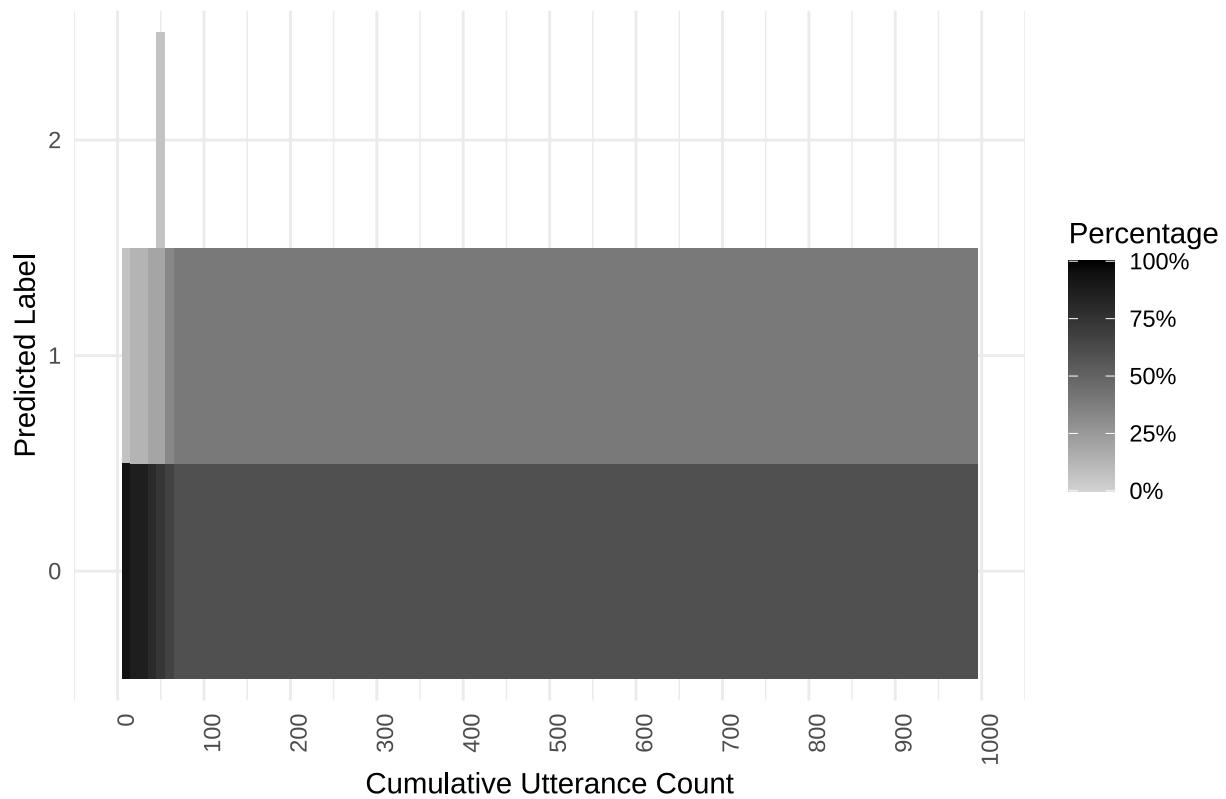


Risk = 2, 長語句組 (n = 8)

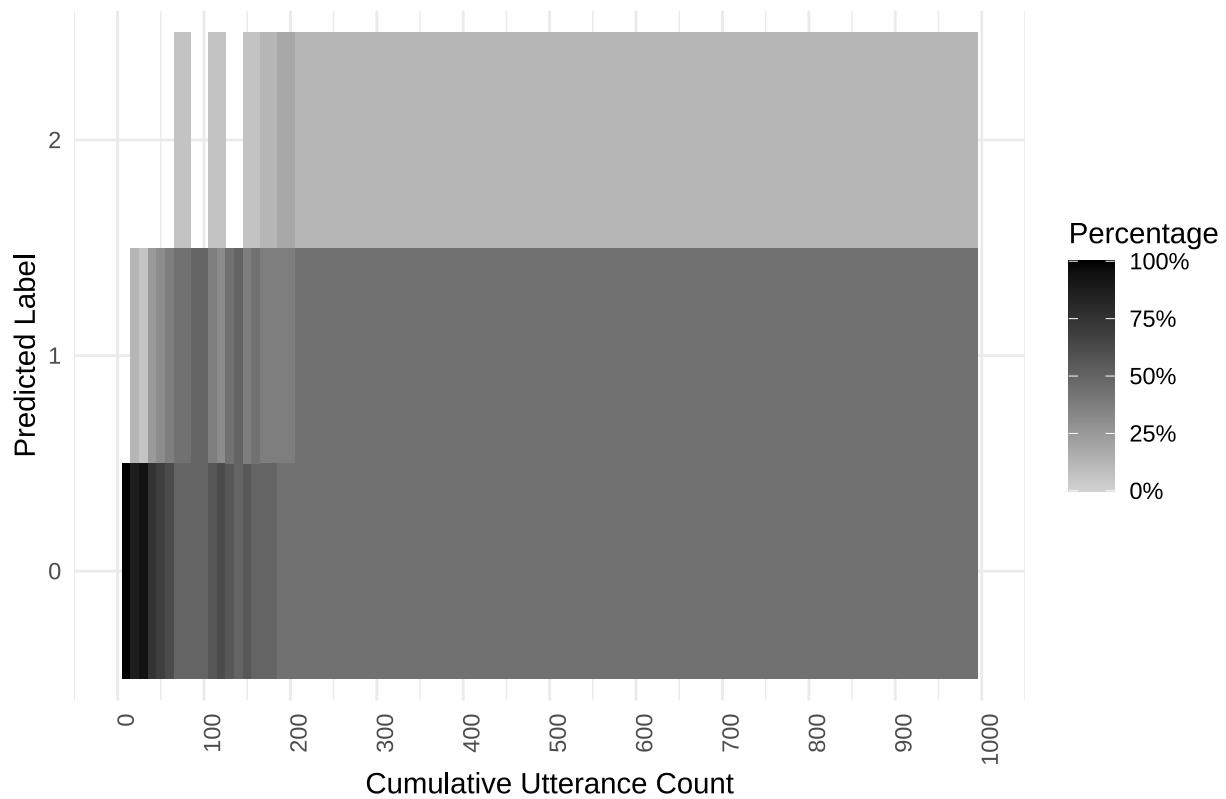




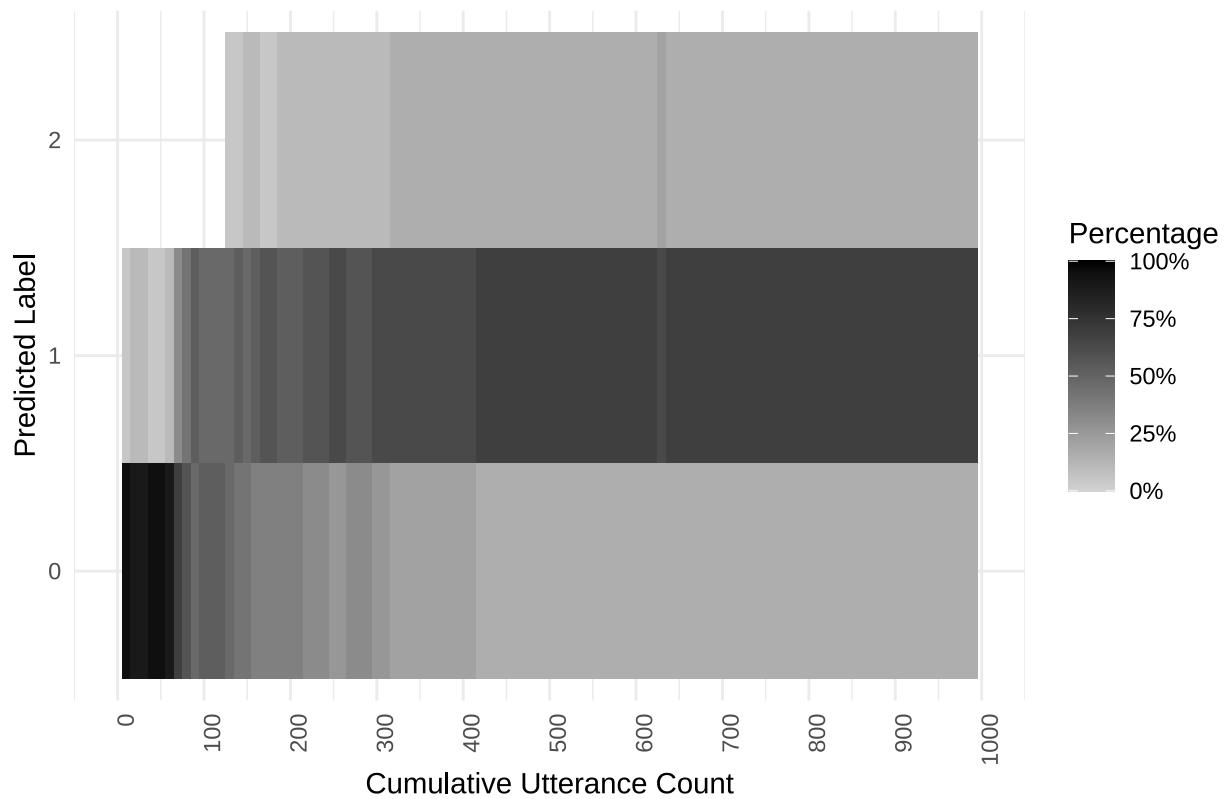
Risk = 1, 短語句組 (n = 15)

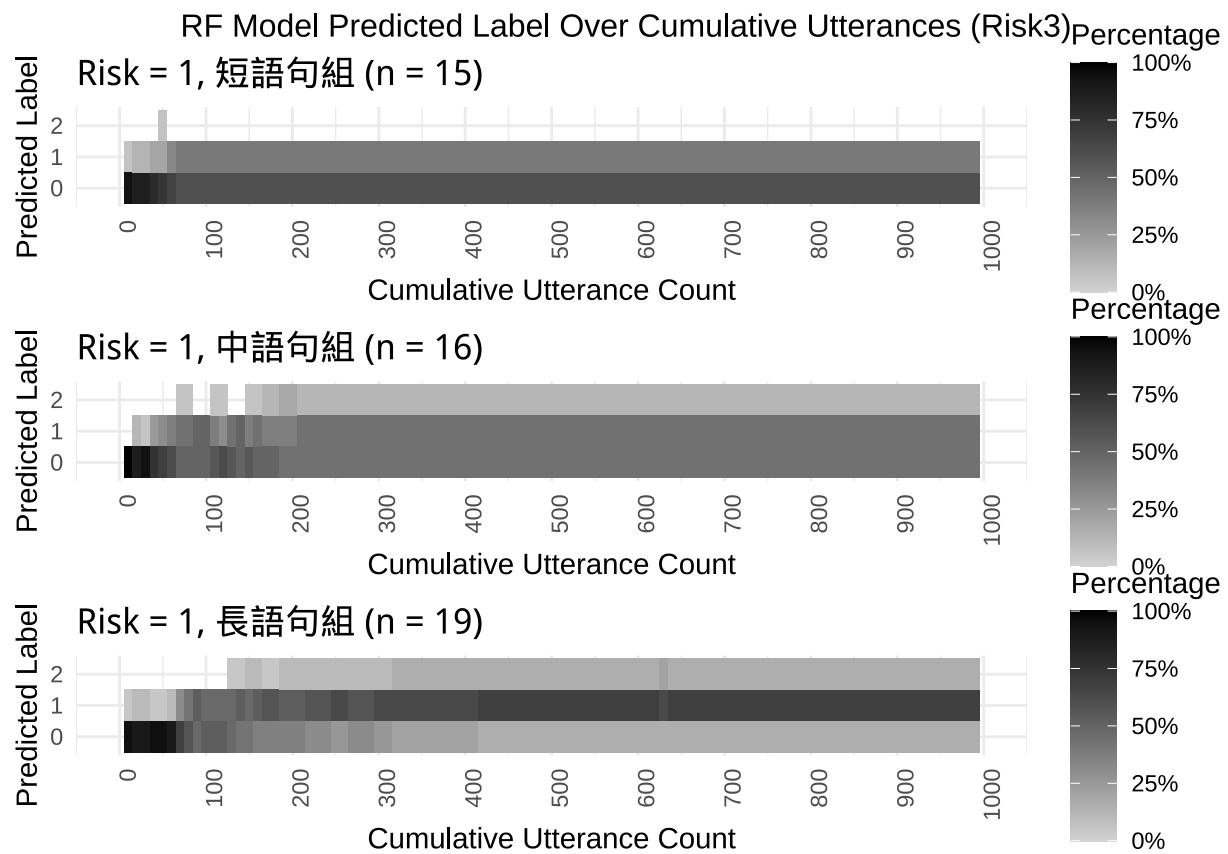


Risk = 1, 中語句組 (n = 16)

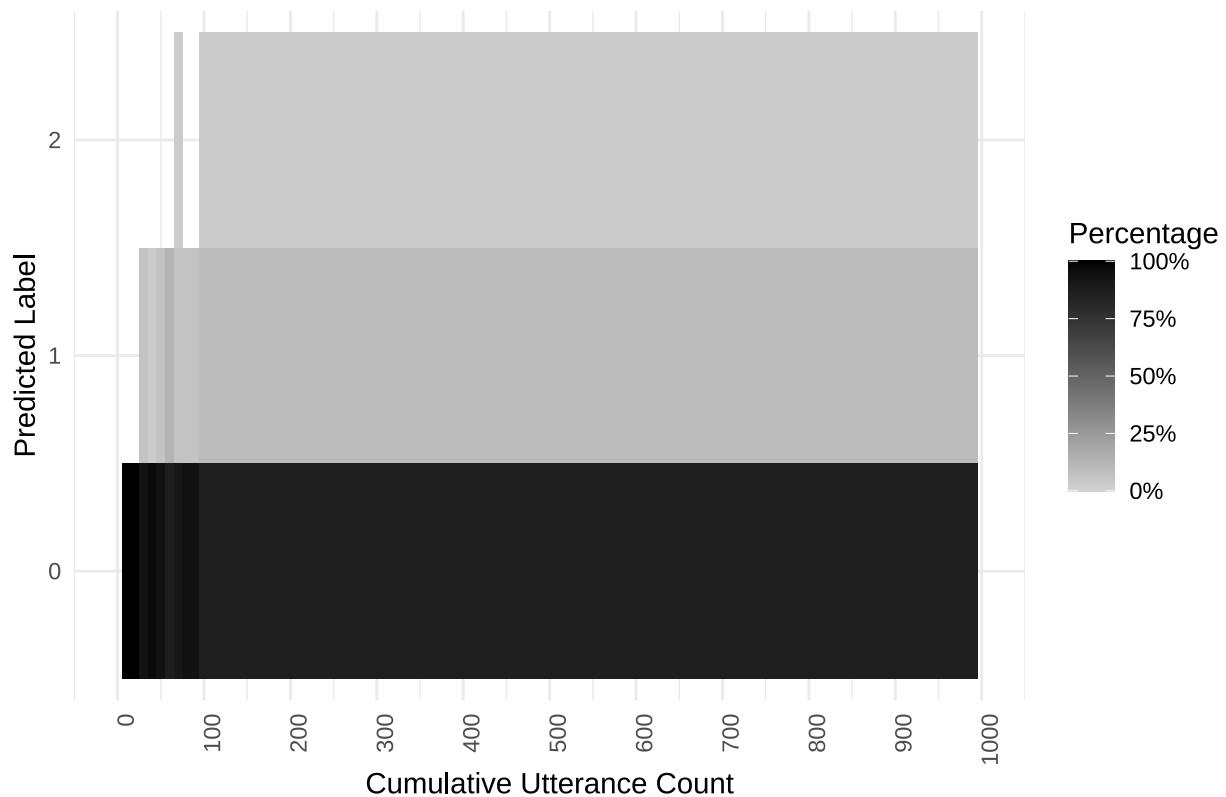


Risk = 1, 長語句組 (n = 19)

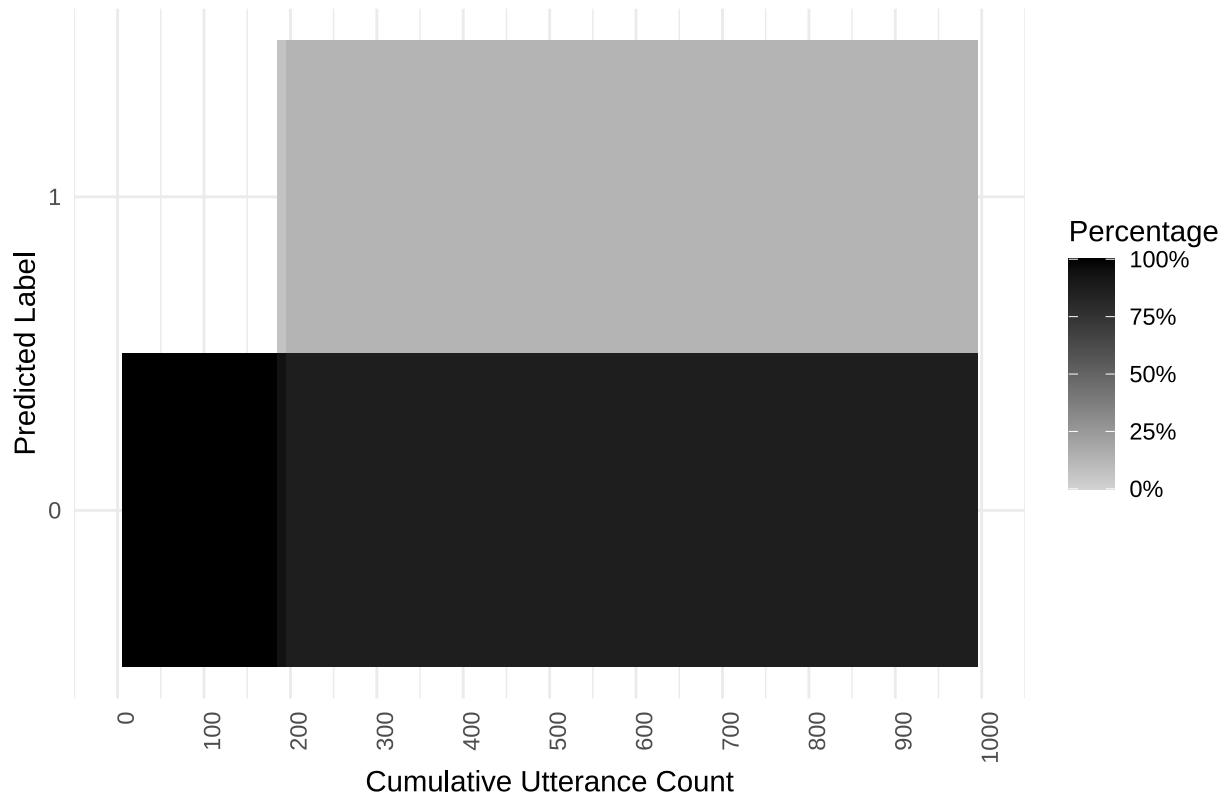




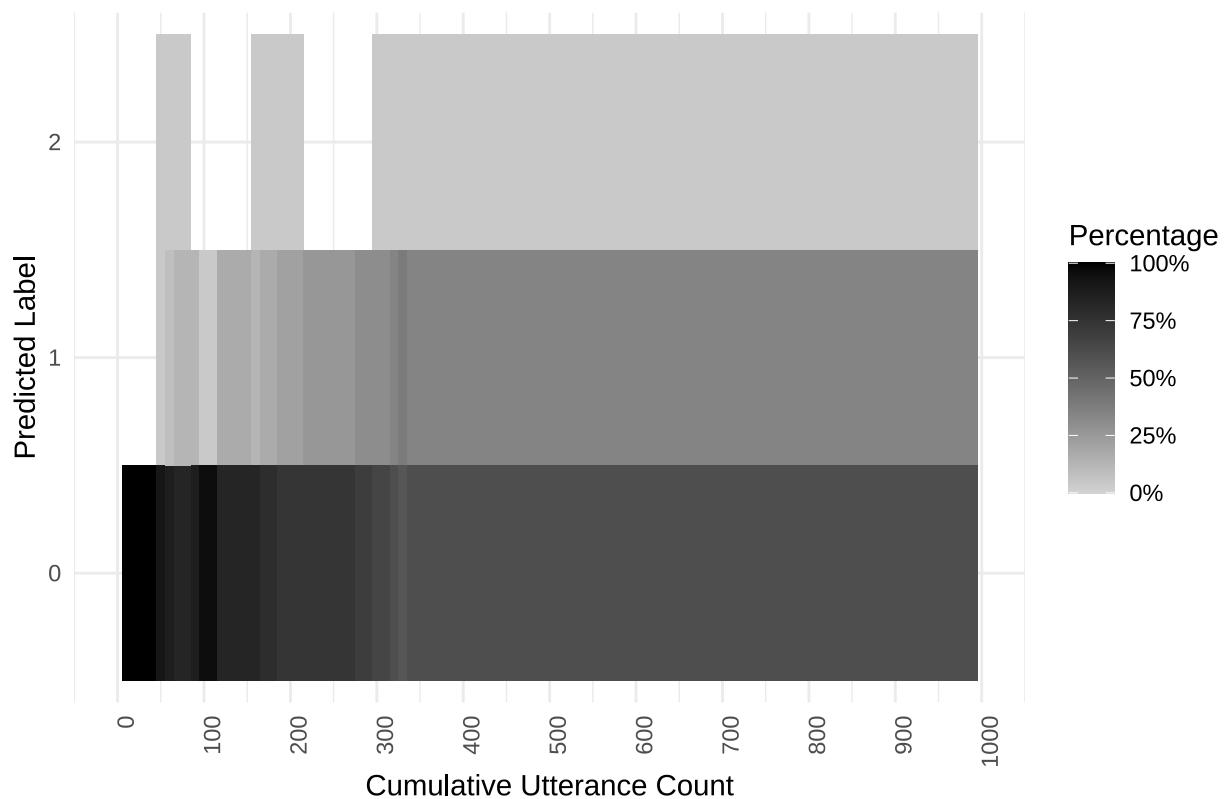
Risk = 0, 短語句組 (n = 30)

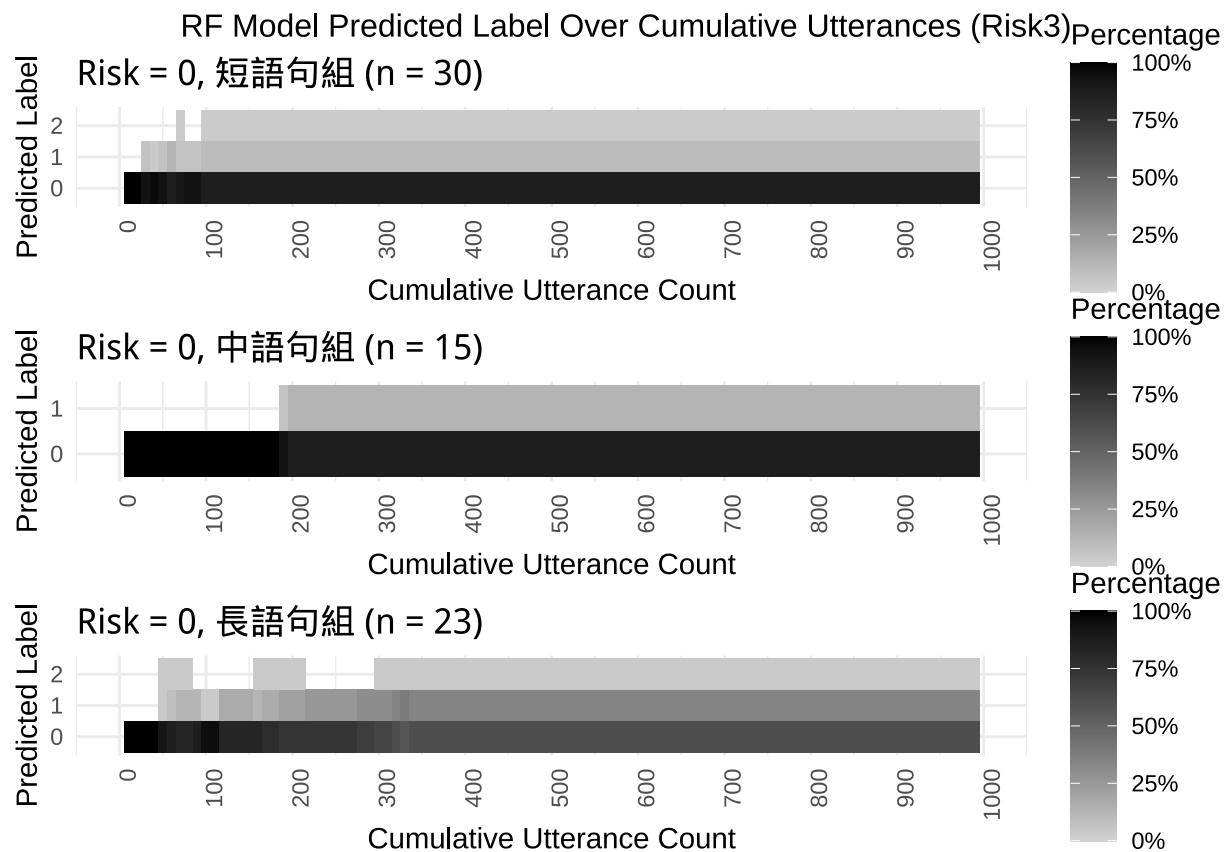


Risk = 0, 中語句組 (n = 15)



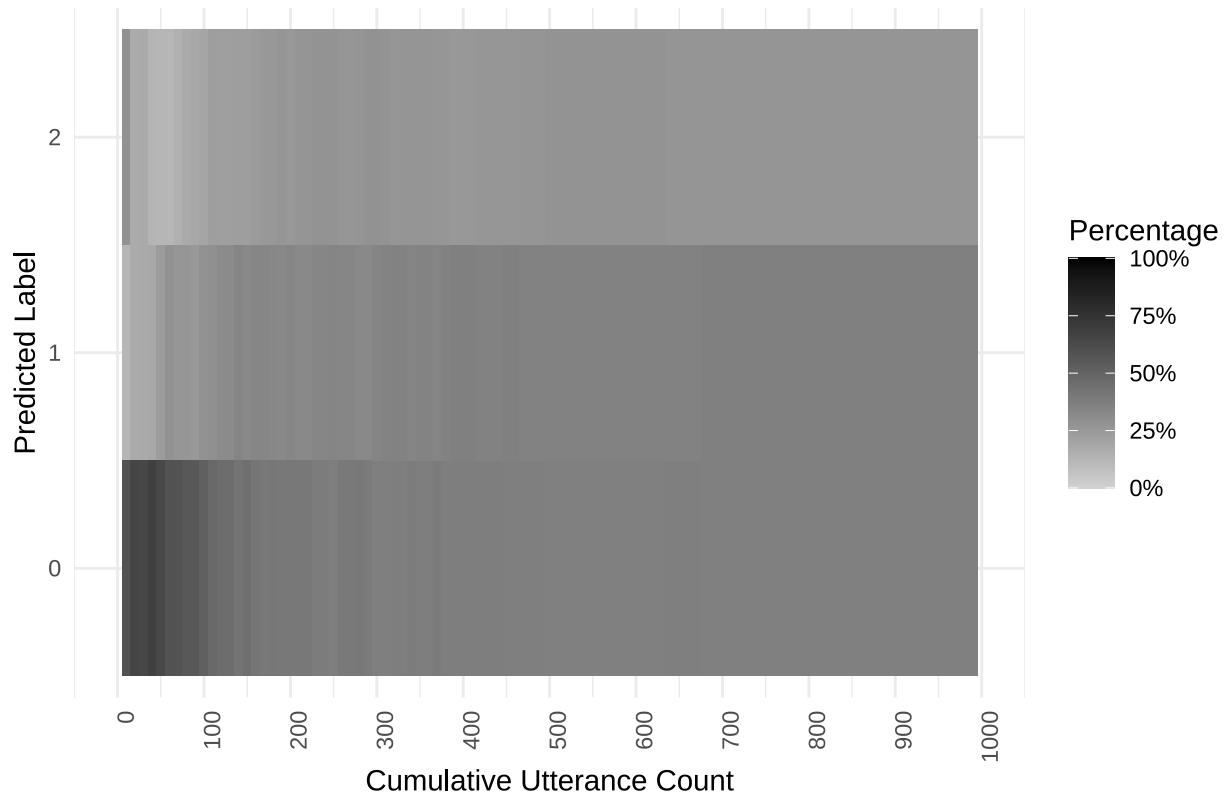
Risk = 0, 長語句組 (n = 23)



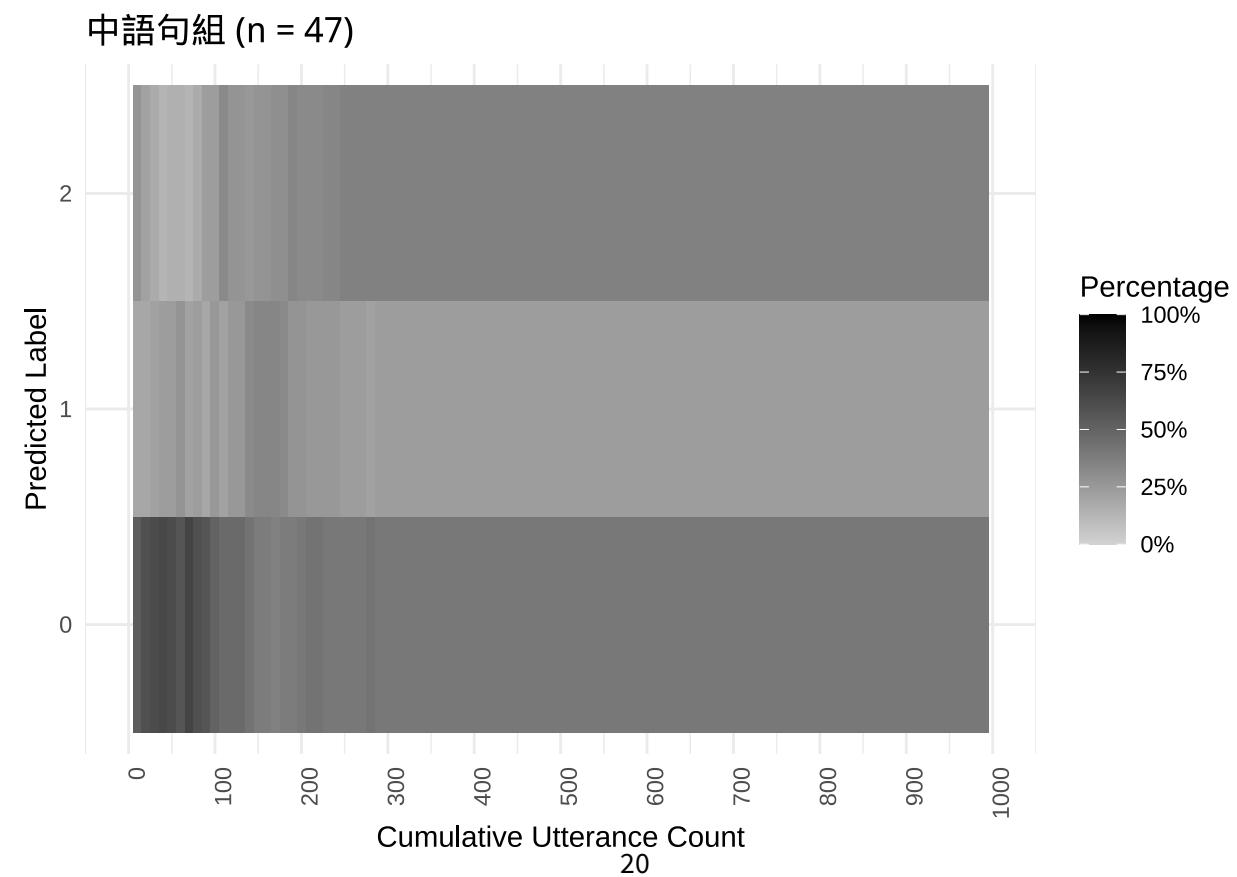
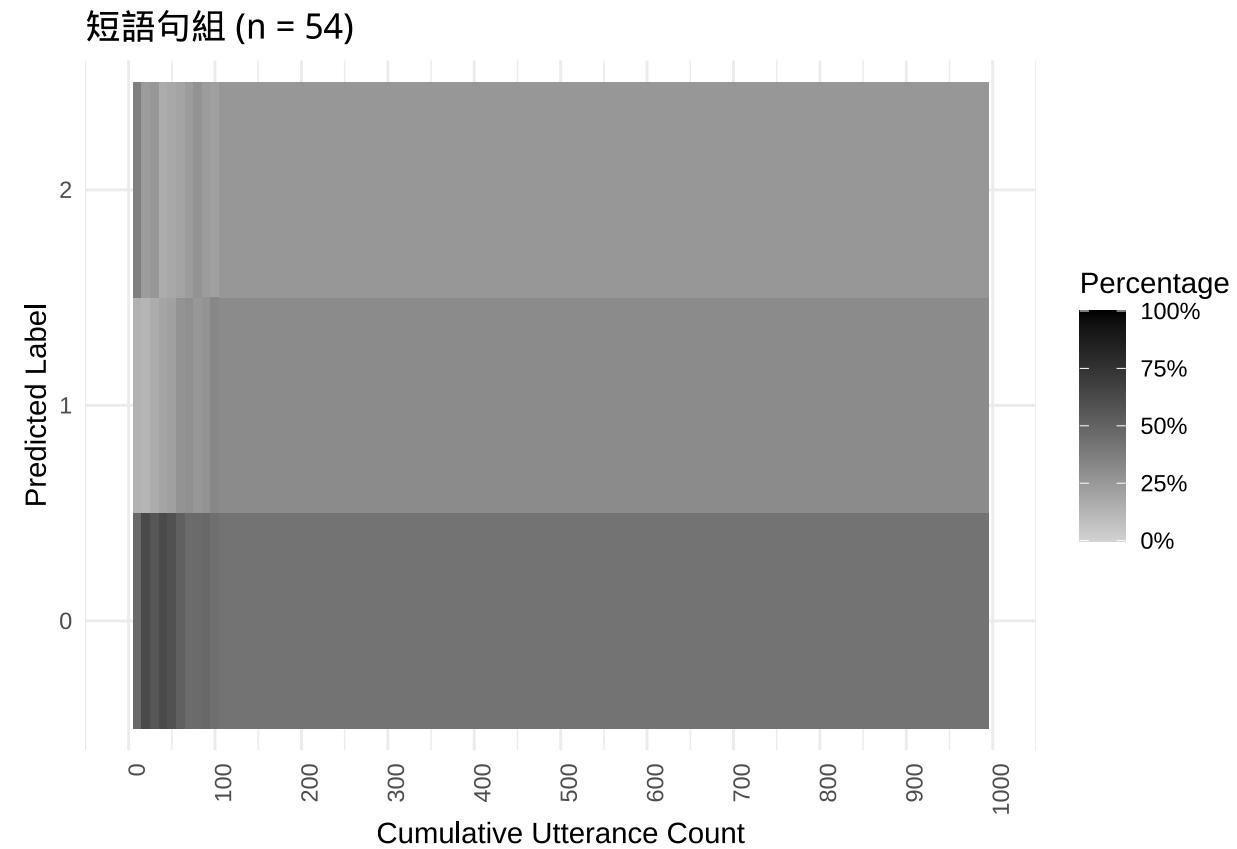


Risk3 X BERT Model

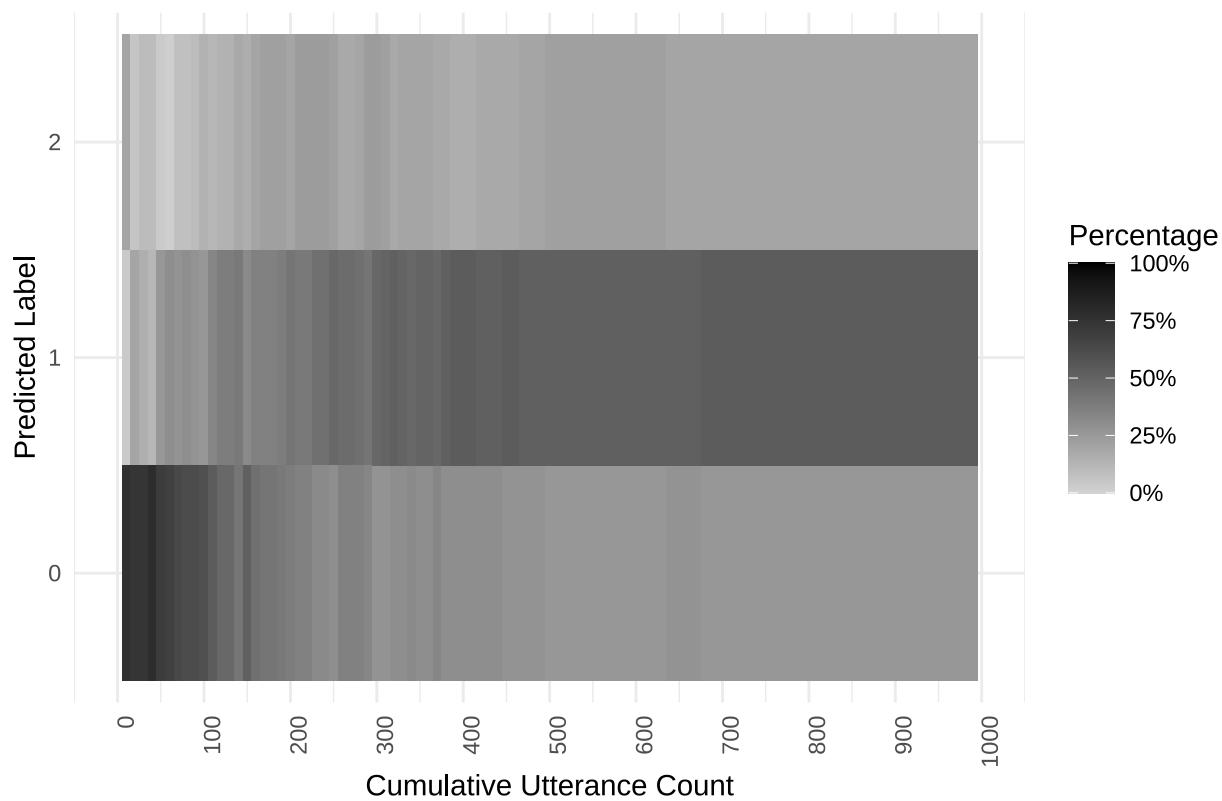
BERT Model Predicted Label Over Cumulative Utterances (n = 151)

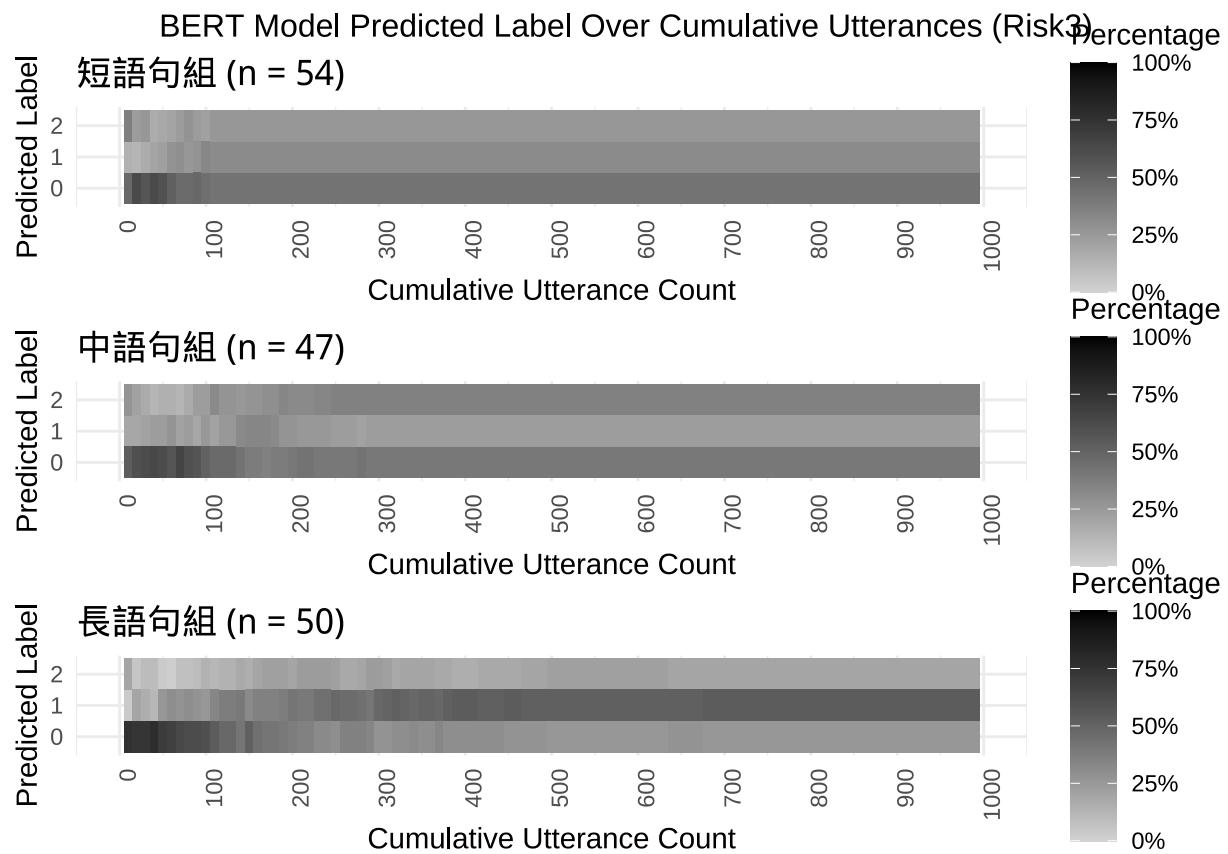


groupby utterance number

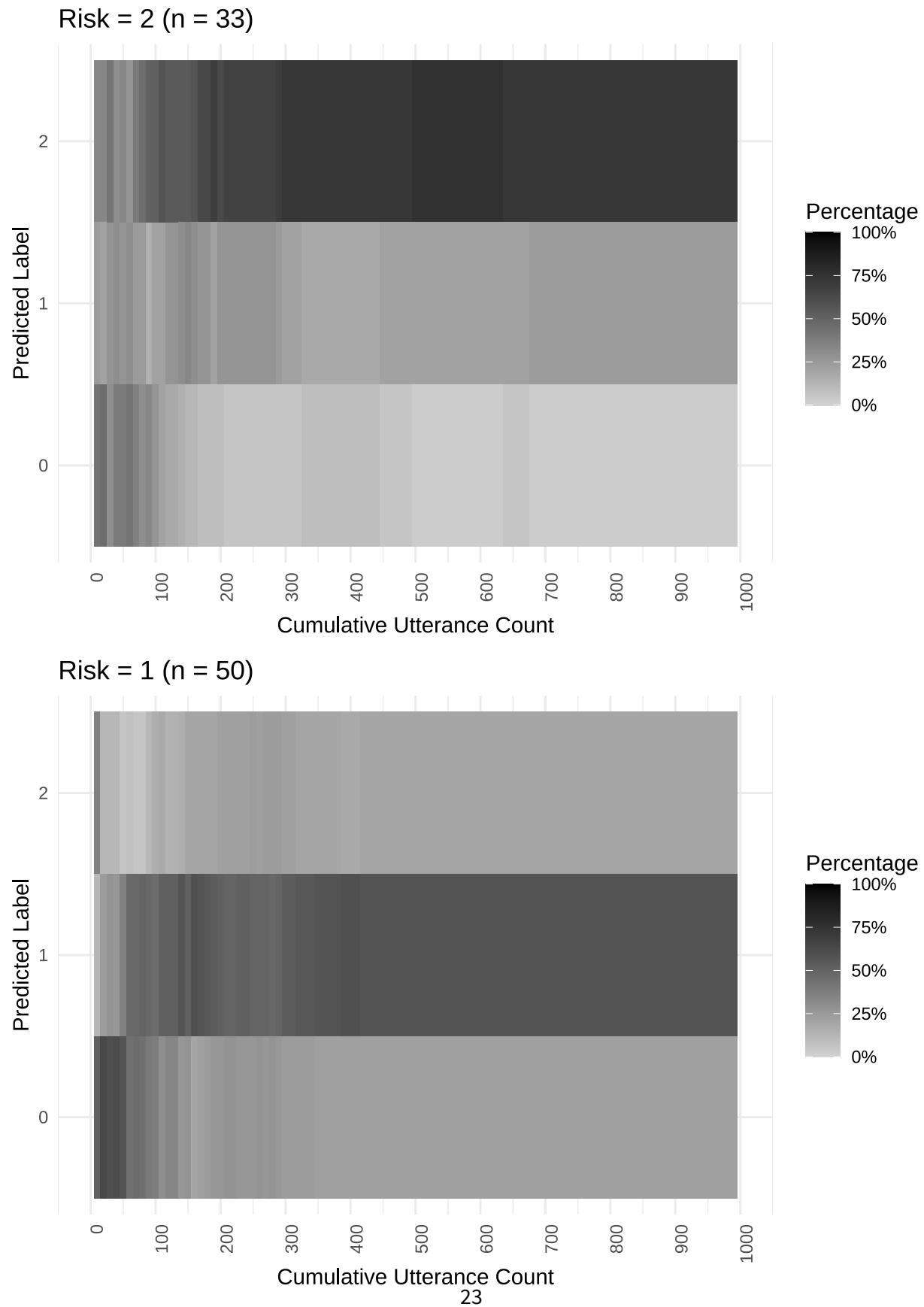


長語句組 ($n = 50$)

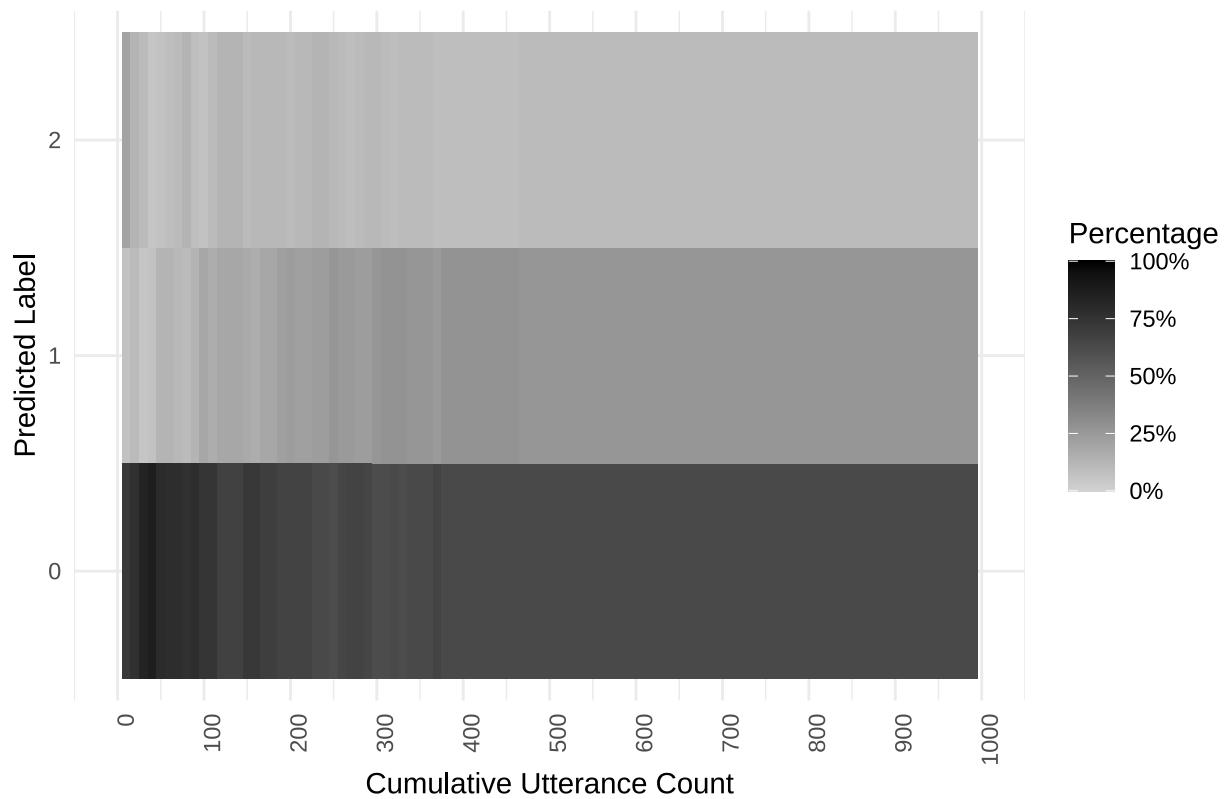


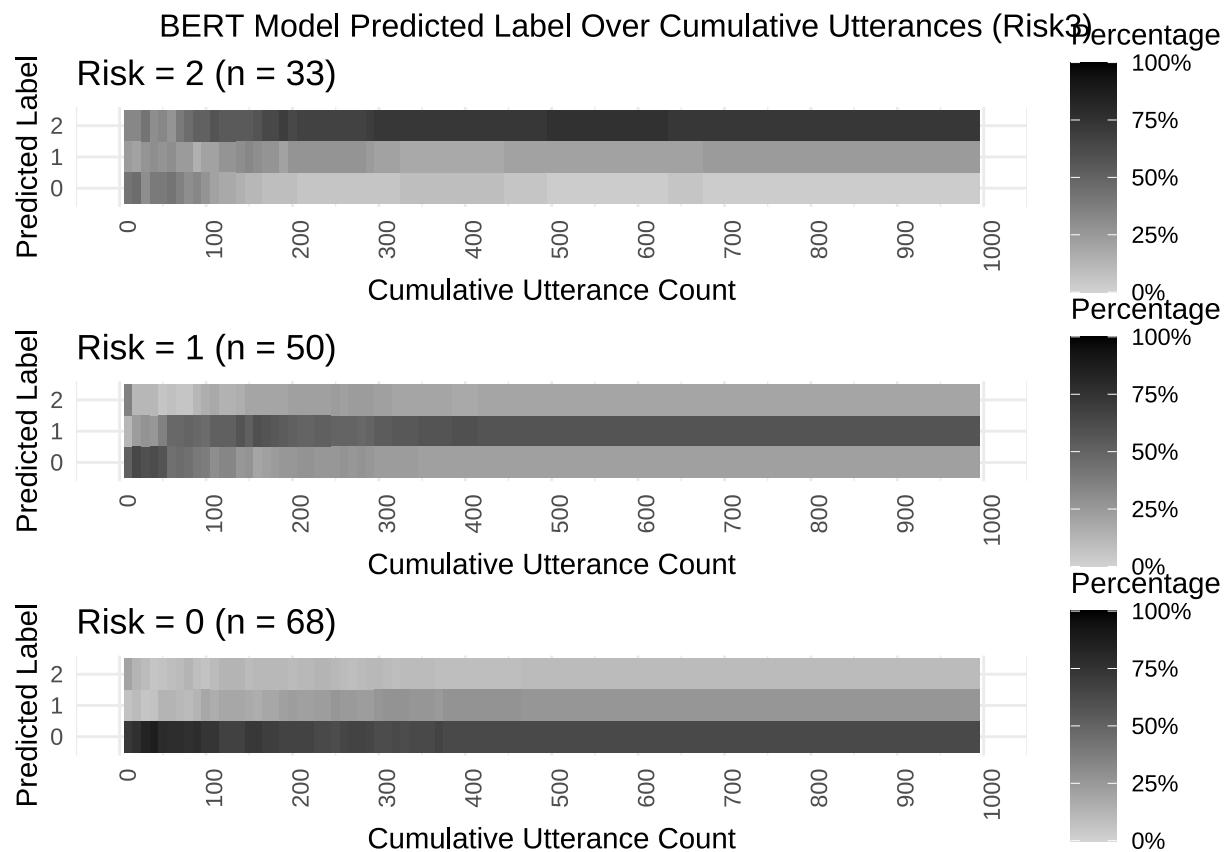


groupby risk level



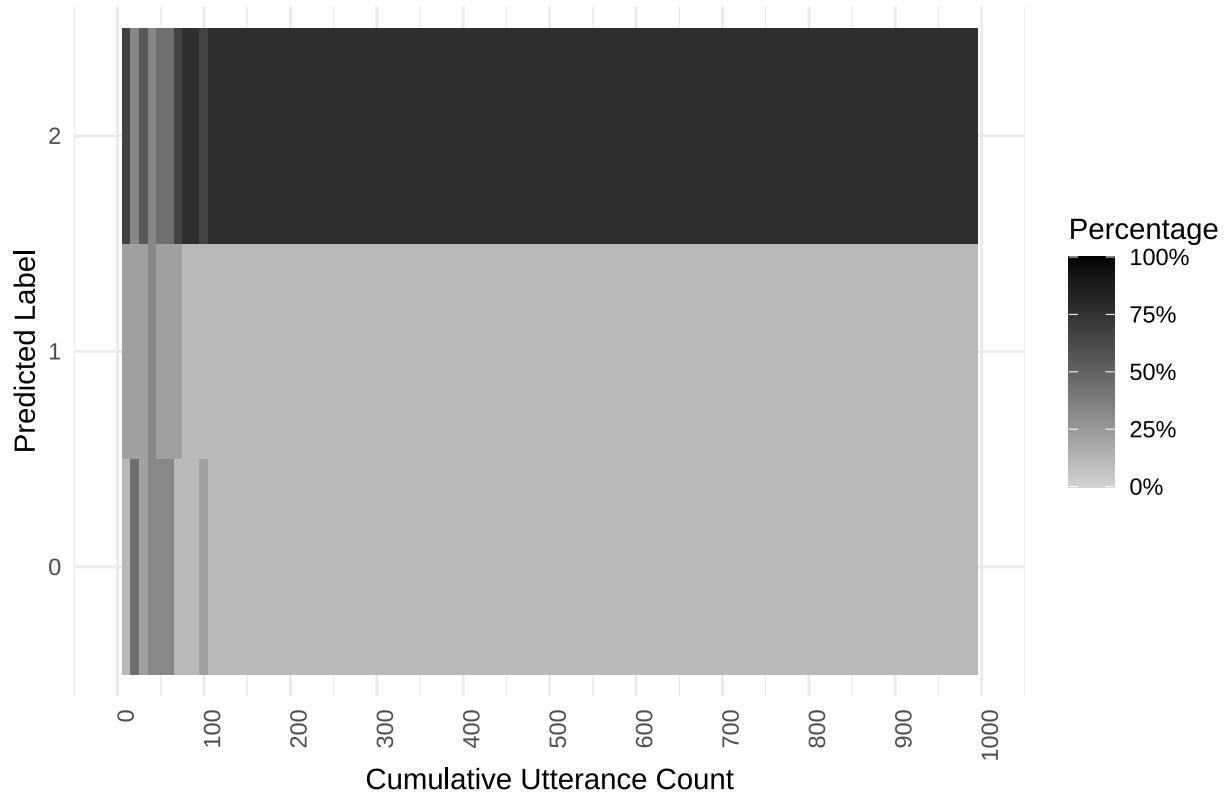
Risk = 0 (n = 68)



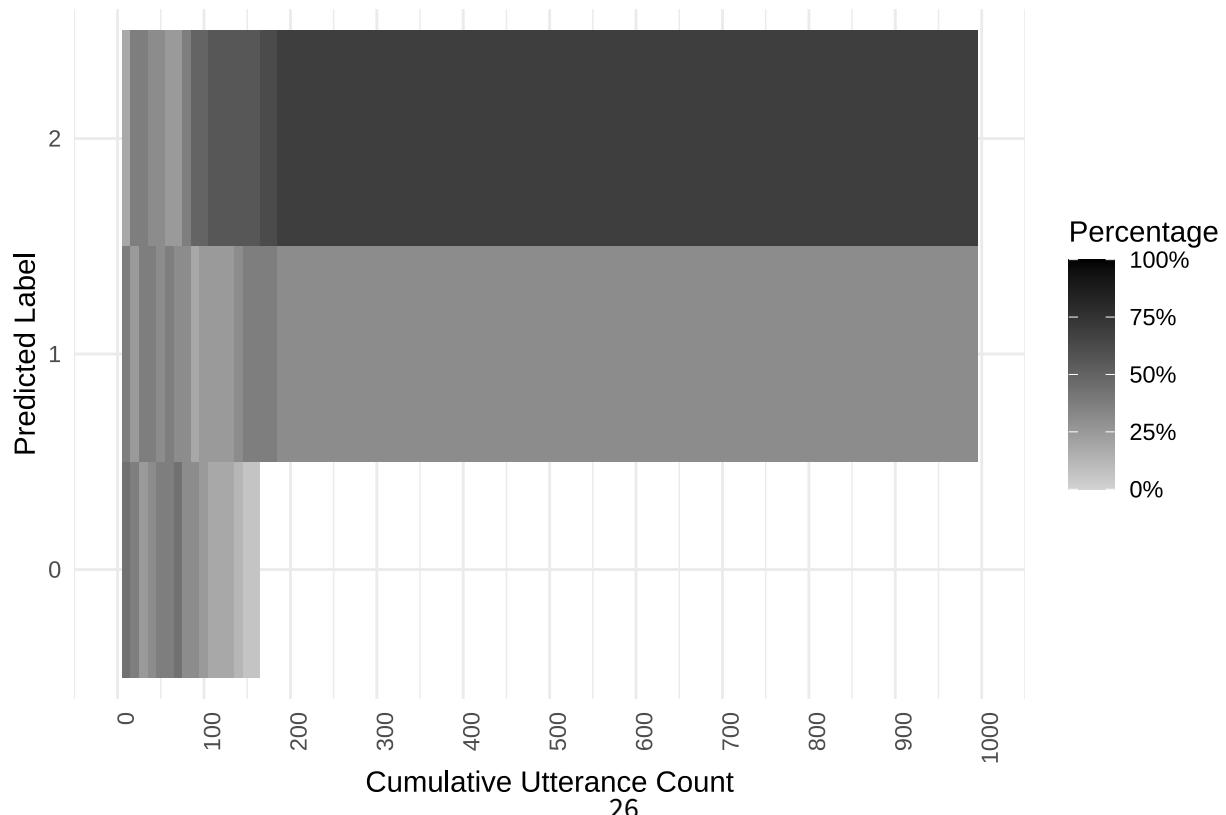


group by risk level and utterance number

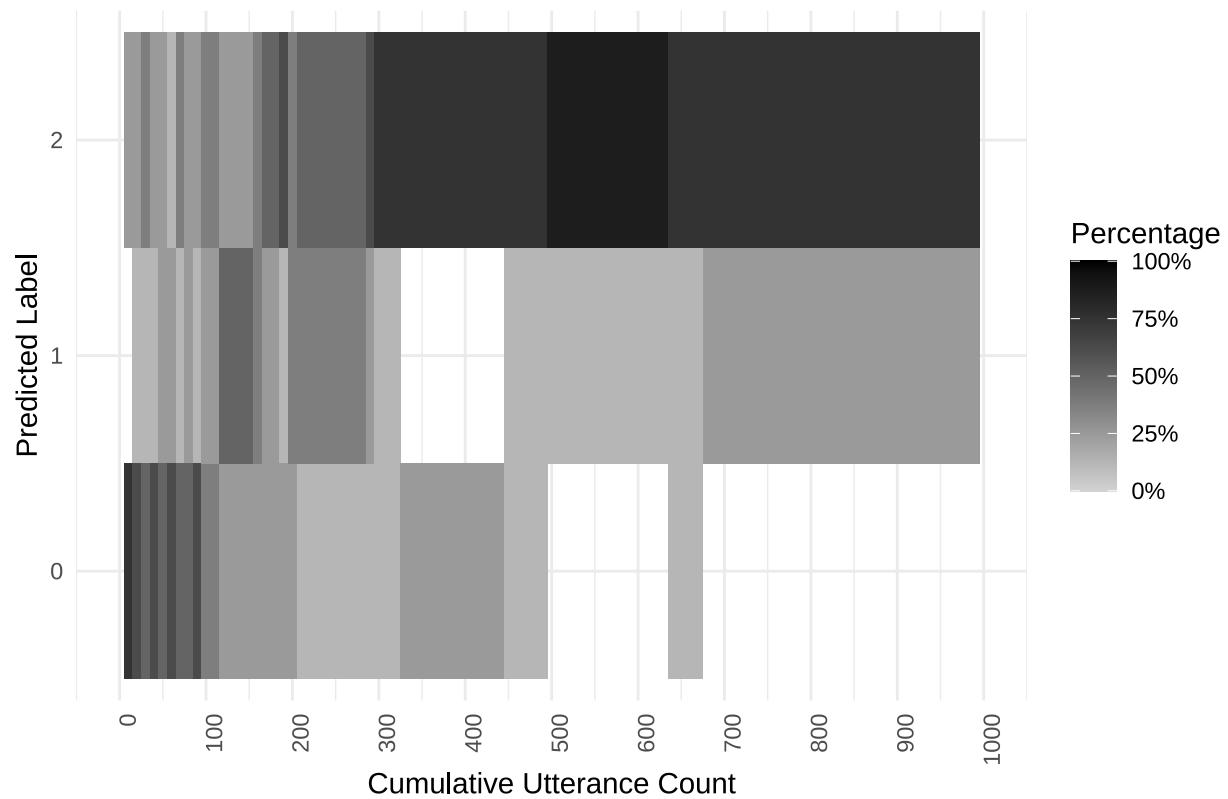
Risk = 2, 短語句組 (n = 9)

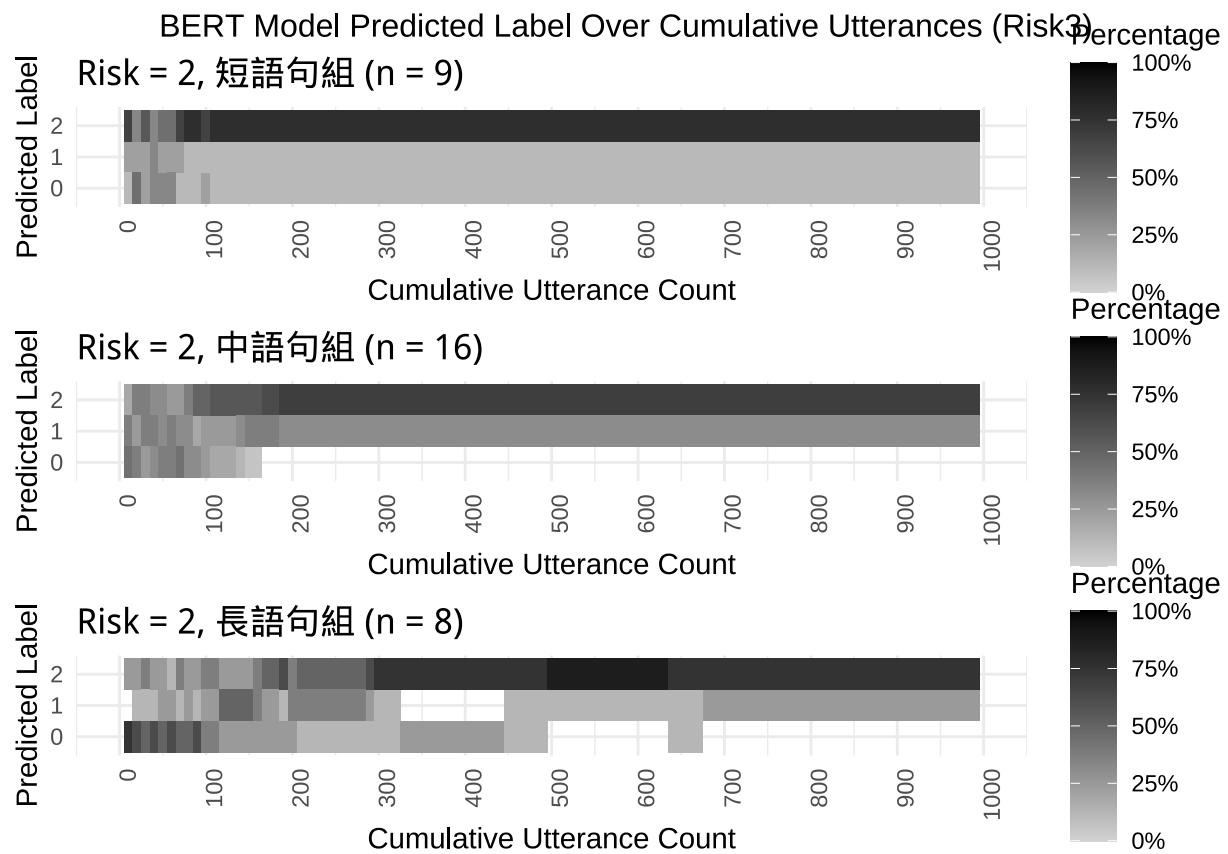


Risk = 2, 中語句組 (n = 16)

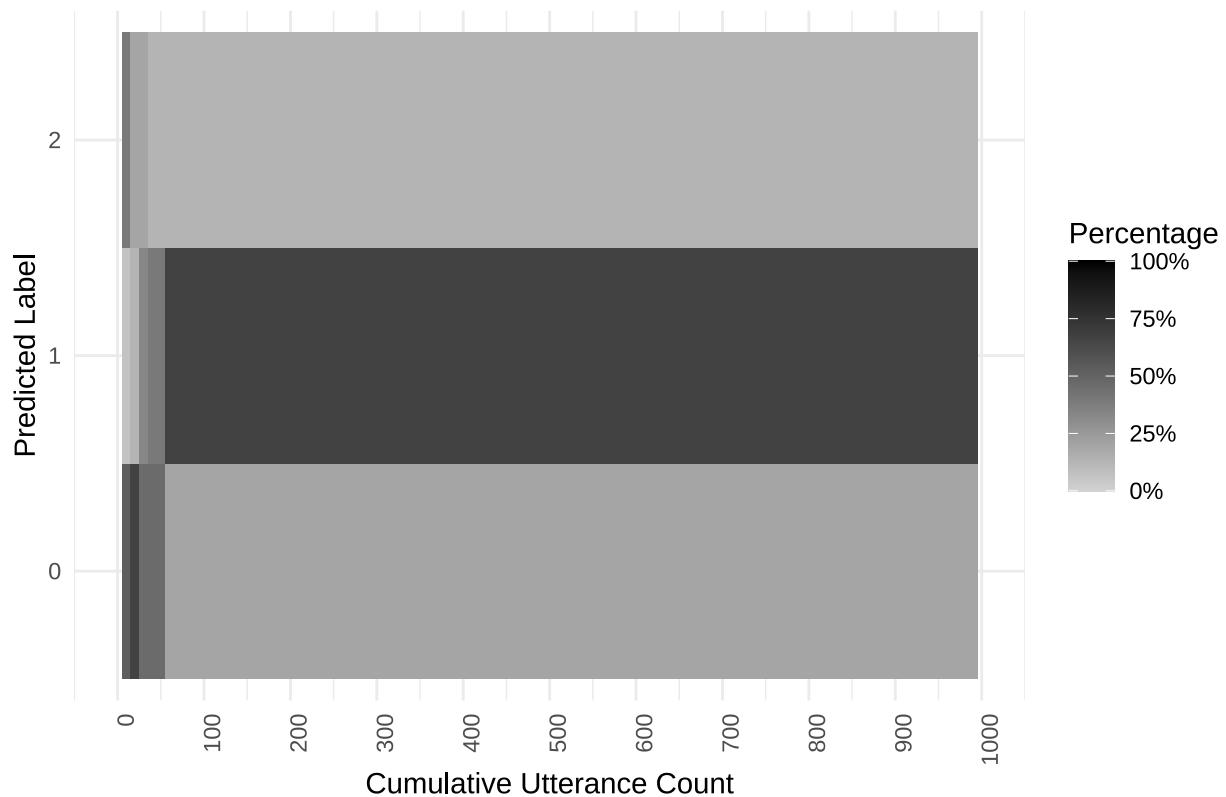


Risk = 2, 長語句組 (n = 8)

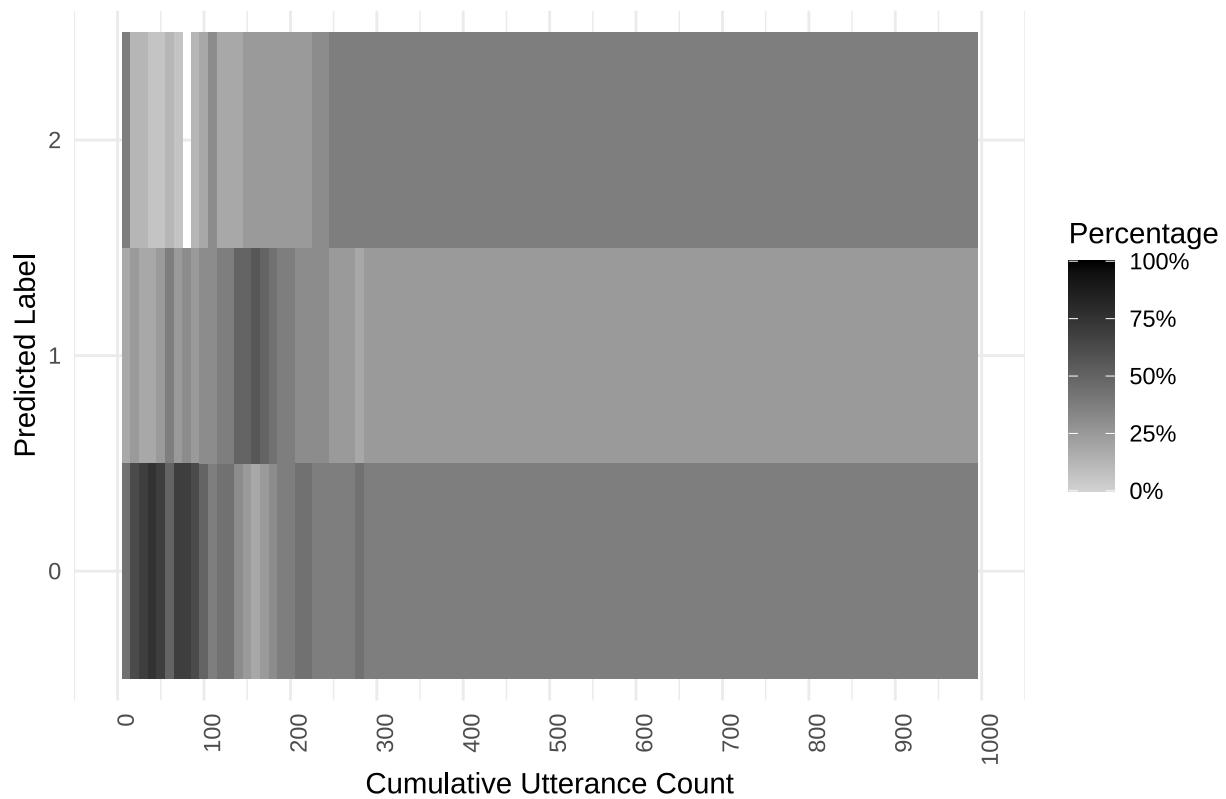




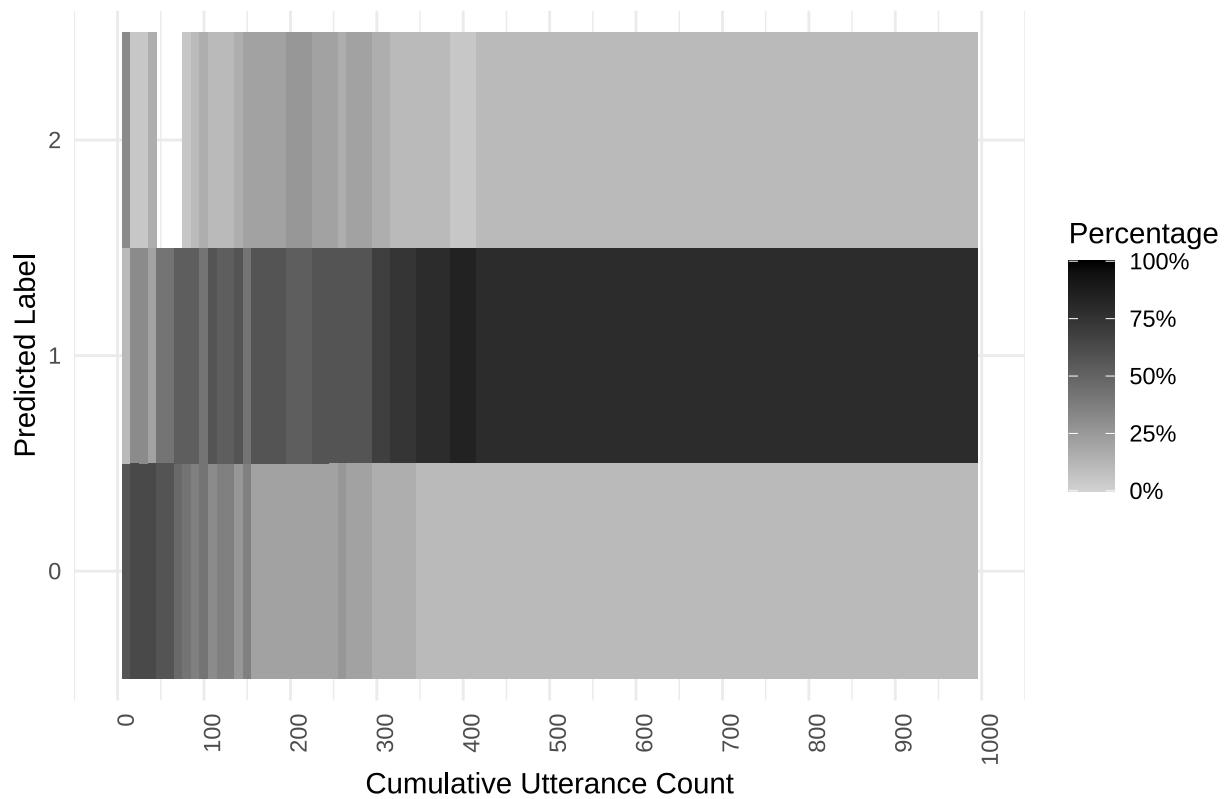
Risk = 1, 短語句組 (n = 15)

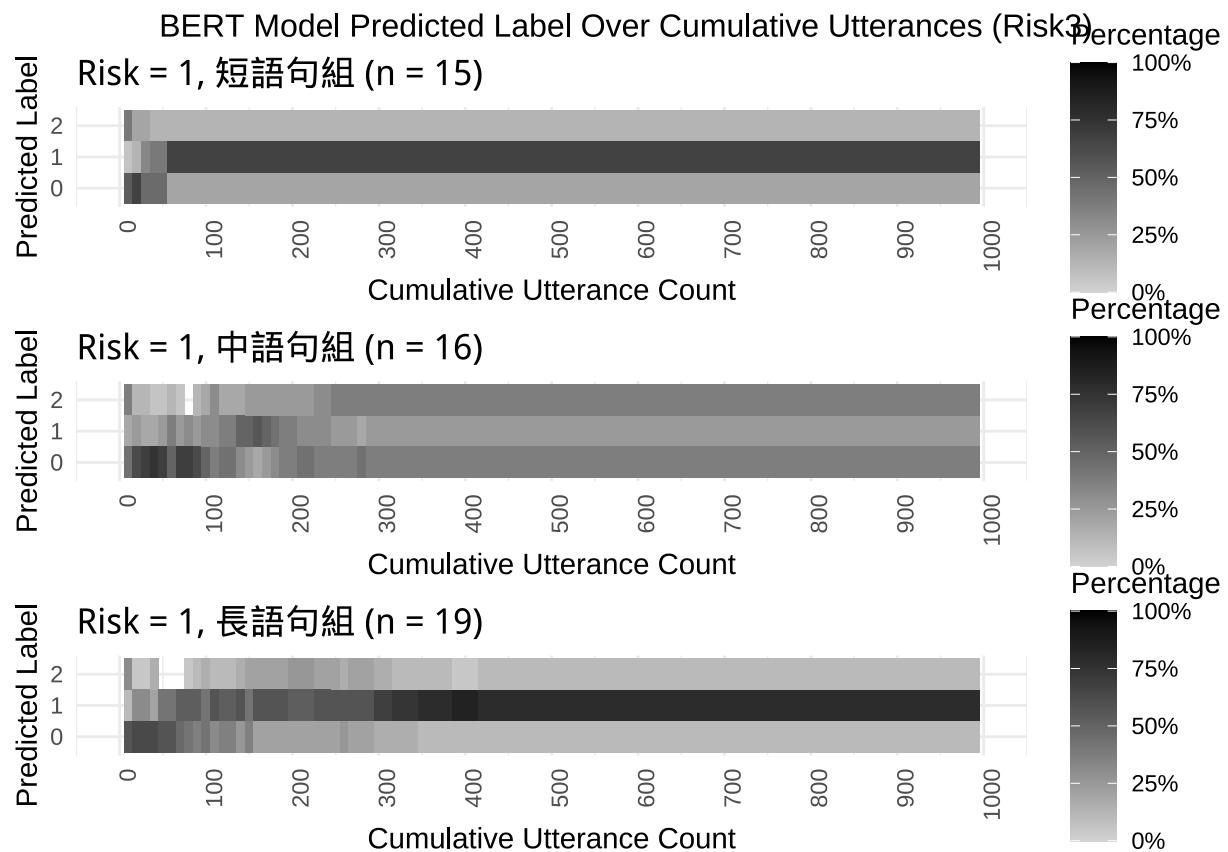


Risk = 1, 中語句組 (n = 16)

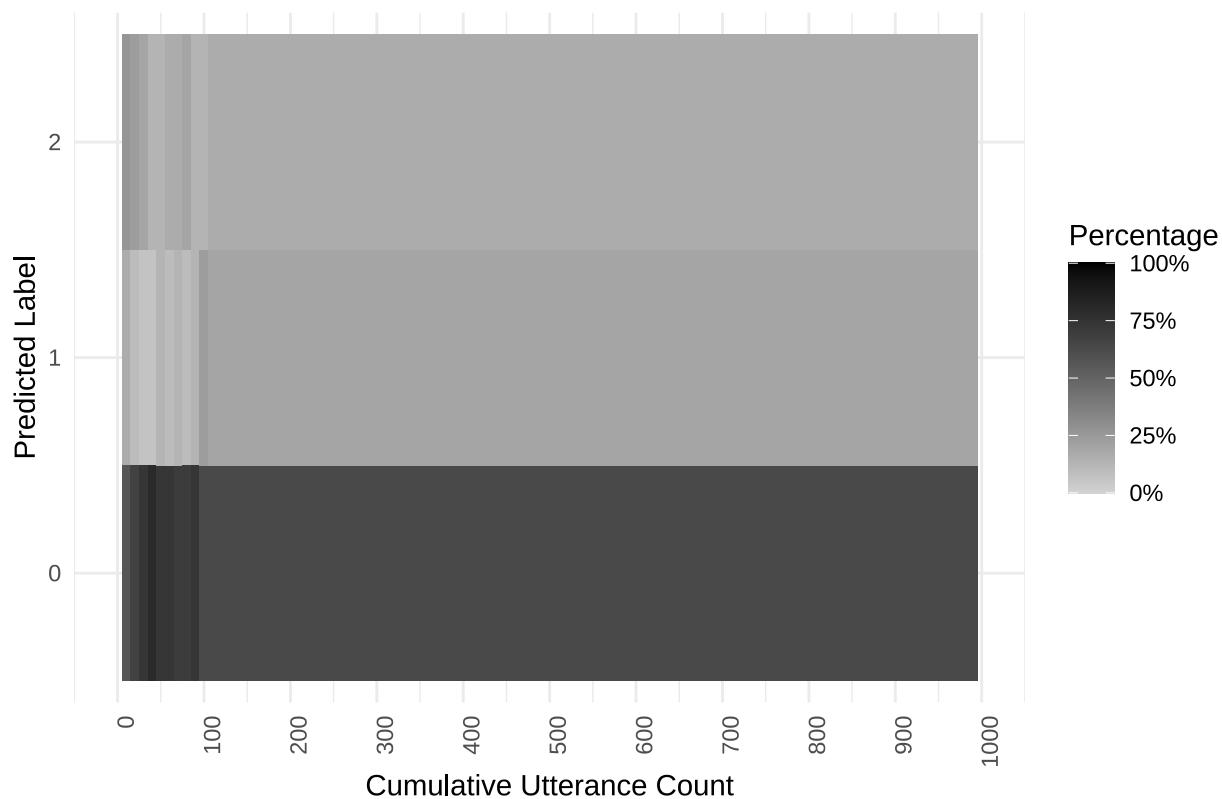


Risk = 1, 長語句組 (n = 19)

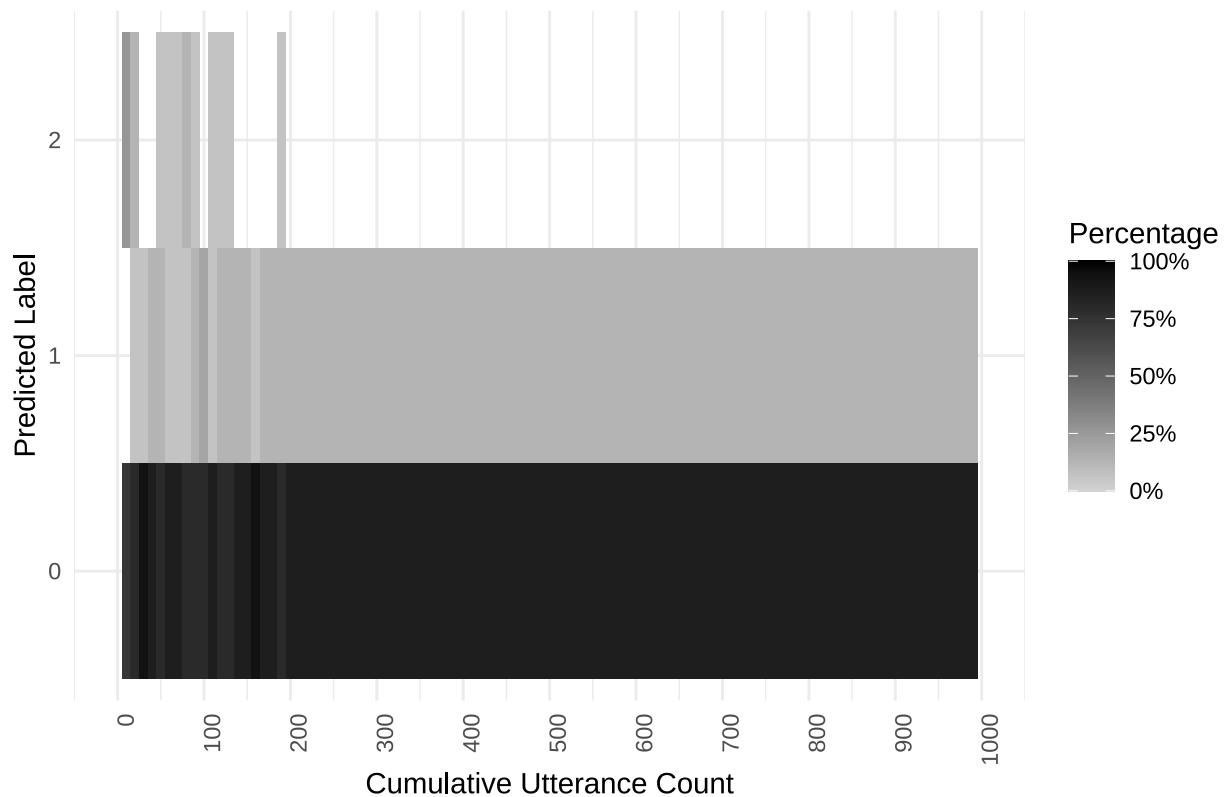




Risk = 0, 短語句組 (n = 30)



Risk = 0, 中語句組 (n = 15)



Risk = 0, 長語句組 (n = 23)

