# Summary

## DSTC2 Submission

The results on train and dev sets are shown below. The five submitted entries are highlighted with blue. The results on test set are based on model training with both training set and development set.



Here is the feedback from the organizer:

In the results, your team will be identified as **team5**

The entry originally named firstcorrect\_top\_1 will be renamed to team5/entry0

The entry originally named topASR will be renamed to team5/entry1

The entry originally named nbest\_goals will be renamed to team5/entry2

The entry originally named hybrid will be renamed to team5/entry3

The entry originally named nbest\_goals\_hwu\_food will be renamed to team5/entry4

## Other ideas I have tried

## Self-training

The idea of self-training is to first get the predicted label on the test set and then add these labels into the training. In this way, we can train a new model both on training and testing.

However, it doesn’t improve the performance in this test. The accuracy on dev is 0.6285, which is no better than the nbest-with-hwu model.

## Negation

About the issue of “No” in my model, I want to check how many times when a user says “No”, it means he changes the mind.

For example, last turn, the user said “I want Chinese food”. However, next turn, when the system asks whether he wants Chinese food or not? He answered “No”. In this case, we should remove the “food=chinese” in the current turn.

However, after checking the data set, this happens 8 times in the training out of 11677 turns, and only 1 time in the development set out of 3934.

Thus, I can safely ignore this issue.

## About the SigDial 2014 Paper

It is due on **03/09/2014**.

Two possible organizations of the paper:

1. Things that work and that do not work
2. Leverage both ASR and NLU

Actually, the second one is just a part of the first one, but focuses only on the working part and just present this is the only contribution.

The first one is to present several different ideas we have tried, both good and bad ones. This is another way of contribution.

Which one is better?