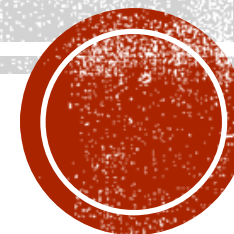# IMPROVING NMT

by Olha Kaminska and Viacheslav Komisarenko

MT Error Analysis: Summary

- Most of the errors in our results were caused by fact, that machine used synonyms, which have a little different meaning and it changes sense of the sentences:

  1. *Our ability to help create asset-based services can result in faster time to value.*
     Our ability to help create valuable services can result in faster values.

  2. *Increase the efficiency and effectiveness of your IT infrastructure.*
     Increase the performance and effectiveness of your IT infrastructure.

  3. *Business continuity is vital to business success.*
     Business stability is vital business success.

  4. *The EU provides more than half of all development aid.*
     The EU gives more than half of all development aid.

  5. *A new phenomenon loomed in the shadows: the internet.*
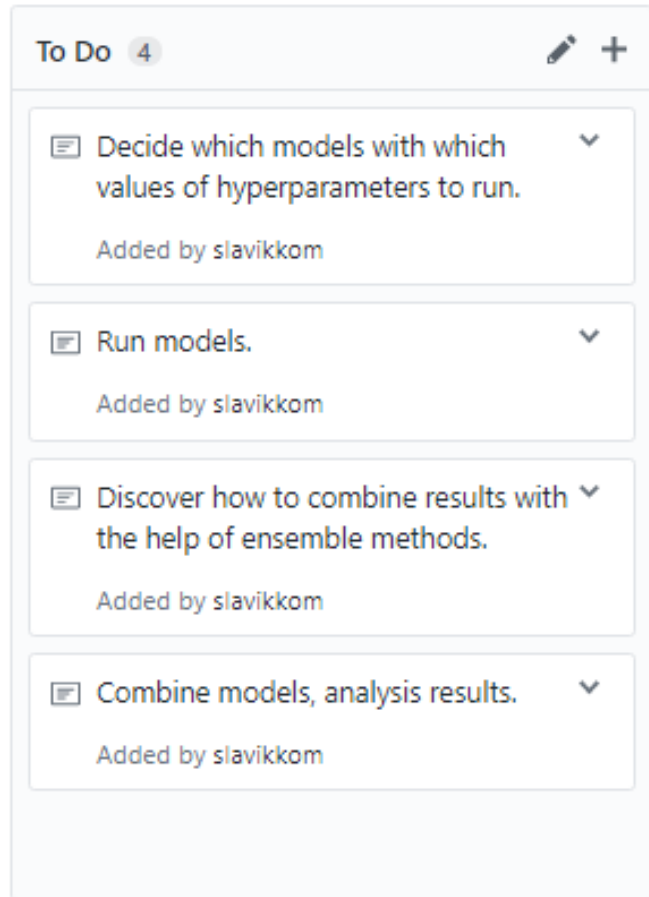   *New phenomena spelled in the shadows: Internet.*

HOW TO FIX

- We suppose, that using of *ensembles method* can improve our result.

- The main idea – several results can give us different synonyms of unobvious word, so, we can choose the most common variant, which probably has closest meaning.

- We are planning run several models with different values of hyperparameters and combine their results.

SCHEDULE

To Do 4

- Decide which models with which values of hyperparameters to run.
  Added by slavikkom

- Run models.
  Added by slavikkom

- Discover how to combine results with the help of ensemble methods.
  Added by slavikkom

- Combine models, analysis results.
  Added by slavikkom

- next week, until 6.11

- week after next, until 13.11

- during next 2 weeks, parallel task, until 13.11

- after all previous tasks, until 20.11

20.11 – Intermediate report

Couple of weeks to fix model and create final version

THANKS FOR YOUR ATTENTION!