

## PMLDL Project Deliverable 1.5

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During the final week of the project, we have finalized the training of the model and began creating a convenient interface for the user to interact with the model. The results were improved by training ruGPT3 model with *line\_by\_line* mode instead of feeding it the whole datasets by chunks. Now, a model can produce stop tokens and does not output large incoherent text.

For the latter, we decided to create a Telegram bot as they are becoming increasingly popular especially with Russian speakers who can be considered our target audience. The main function of the bot will be to accept the user's input and treat it as the beginning of a joke or produce a joke as the result of the user clicking on the button. The model will attempt to finish the prompt line and a few most successful examples according to the predefined metric and will be displayed back to the user. We use Markov chains to produce input (usually from 2 to 5 words) to the model in the case when the user clicks to the 'produce joke' button.

The bot is still in the development stage; however, we are confident that we are able to finish it before the final presentation and technical report submission.

### References:

1. <https://github.com/alphy1/pmldl-jokes-gen-bot>