***Association dictionary. Add new analytic functionality***

Association dictionary project was started in 2012 and is still active. Originally it was developed for French language (<http://dictaverf.nsu.ru>), but later developed engine was used for Russian (<http://adictru.nsu.ru>) and Sakha languages as well. Five years ago, we look at this project as a tool which helped us to analyze some data, so our implementation was limited in terms of functionality and future development. Now we see which functionality required and we suggest you implement the following features:

1. Cloud of words (like this <http://dictaverf.nsu.ru/graphs/index_cloud.html>)   
   There are several Javascripts which implement this functionality on the client side. You need to analyze those implementations, select more suitable and integrate this functionality into our project. Here you will learn Javascript, AJAX, PHP, PostgreSQL, JSON, etc.
2. Statistical charts (one of them is like this one <http://dictaverf.nsu.ru/graphs/index_charts.html>).  
   We need several charts to compare respondents from different areas. Once again there are several implementations. You will analyze them, select one, integrate, configure, and test.

Within this topic, you will work with a customer. You will learn Javascript, AJAX, PHP, PostgreSQL, JSON, etc.

In the directories assoc\_dict\*, you will find the dumps of the database (Russian and French association dictionaries) and PHP scripts which implement current functionality. You need to implement new functionality into the dictionary for the French language.

Please, share your thoughts to the group which researches new platforms and redesigns the structure of the system. Nevertheless, your goal is to integrate your changes into the current implementation. Introducing your results into the new version of the site would be a plus