The Contracts Register is a public database containing contracts concluded by public institutions. Due to the number of documents in the database, data analysis is problematic. The objective of this thesis is to find a machine learning approach for sorting the contracts into categories by their area of interest (real estate services, construction, etc.) and implement the approach for usage on the web portal Hlídač státu. A large number of categories and a lack of a tagged dataset of contracts complicate the solution.