**Data analysis**

**Test task**

1. Analyze the structure of the Orbit database (go to <https://www.orbit.com/>, press Log in)
2. Search for patent applications of the residents of Russia (Assignee Country = RU), filed to foreign patent offices in 2017 (Application Date) in the following technology domains:
   1. audio-visual technology
   2. basic communication processes
   3. computer technology
   4. digital communication
   5. IT methods for management
   6. semiconductors
   7. telecommunication
3. Provide the code you have used for the query. Download the data and run the statistics:
   1. the total number of patent applications
   2. top assignees + the shares of individual vs. organizations. Describe the algorithm / approach which was used to separate individuals vs. organizations
   3. the share of patent applications filed by the residents of Moscow. Describe the algorithm / approach which was used to identify application from Moscow.
4. Run the same query in the Patstat database (uses SQL; sign up for the free trial here - <https://data.epo.org/access-control/patstatsubscription.jsp> - you will get your personal login and password, it takes about 2-3 days to get it)
5. Download the data and merge with the results from the Orbit databases. Identify the overlap and the unique lines.