

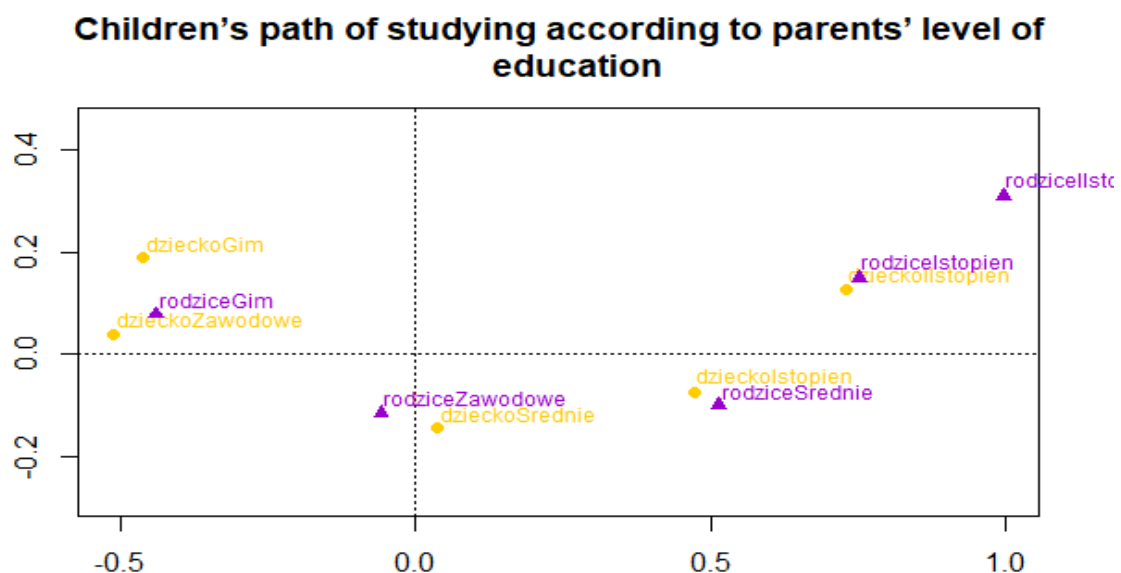
Children's path of studying according to parents' level of education

"Children's path of studying according to parents' level of education" is the final project of my Bachelor's degree. The purpose of the following work was to check whether there is, and if so, what it looks like, the correlation between our education and our parents'.

My data are coming from survey carried out in Poland in 2017 and 2019 on Polish citizens in aged 18-69. The study I focused on is conducted in the form of an approximately 40-minute telephone survey. The respondent answers, among others: for questions about age, place of residence, education, current profession and history professional qualifications, health condition, earnings, family information.

In the whole research surveyed is called a "child" for simplicity and it does not mean that respondents are minor, they are in age between 18-69. Each respondent ("child") was answering what level of education his/her parents achieved and what level of education she/he has.

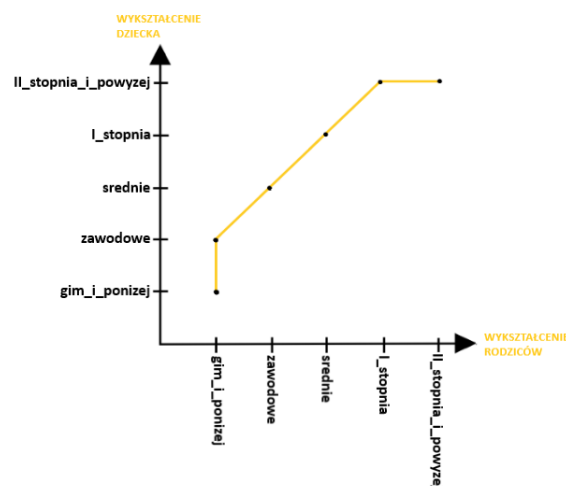
All calculations I have proceeded in R language. My final result was this perception map:



The yellow color stands by education of "children" and purple ones are parents' levels of education. The shortcuts (which are in polish because whole project was written in this language) mean appropriately:

- dzieckoGim/rodziceGim - child/parents with lower secondary education or below
- dzieckoZawodowe/rodziceZawodowe - child/parents with vocational education
- dzieckoSrednie/rodziceSrednie - child/parents with high school education
- dzieckolstopien/rodzicelstopien - child/parents with bachelor or engineering degree
- dzieckollstopien/rodzicellstopien - child/parents with master degree or higher.

From the perception map we can see that on average a child has one level higher education than his/her parents. This final observation I tried to illustrate by the chart below:



The y-axis represents the child's education and the x-axis shows the parents' education.

Shortcuts mean appropriately:

- gim_i_ponizej - child/parents with lower secondary education or below
- zawodowe - child/parents with vocational education
- srednie - child/parents with high school education
- I_stopnia - child/parents with bachelor or engineering degree
- II_stopnia_i_powyzej - child/parents with master degree or higher.

As we can see - "extreme" levels of education among parents (lower secondary school and lower, and second degree and higher) correlate with their counterparts in children.

In other cases (vocational education, high school education and first degree) the average child has one level higher education.