Project Proposal

Education and its effects on wage

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BUSI 275

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In this project we will look primarily at hourly wage and variables that may affect it. Those variables are: levels of education, education- job relatedness, age, sex, fields of study, levels of job-related skills, firm size and job tenure. Based on our early research, we have our attention focused on these predictions:

1. Higher level of education leads to higher wage.
2. Worker who has job which is related to their education would have better wage then who work jobs that are unrelated to their education.
3. There are fields of study that would give student better income than others. For example: health student is more prosperous than agriculture student.
4. Bigger firms pay better.
5. There are fields of study that after graduating from, students are more likely to work a job that relate to their education.
6. Female earns less than male.

Our units of observation are quite various. They vary from per field, per firm size to per age or even per sex. For now we can only think of calculating mean, median, standard deviation and coefficient variation. But we will add more sampling technique into analyzing this matter as we process in BUSI 275. Because of the wide range of our topic, survey is inapplicable. We have looked at a variety of options and this set of data seems to be the most favorable: <http://www.statcan.gc.ca/pub/75-001-x/2010104/article/11149/tablechart-tableaugraphique-eng.htm>. We still have our eyes on different data sets so change may be made later on.

Since our four group members are really interested in this topic, we have decided to divide the work load by mentioned predictions:

* Proposal: all
* Data searching: all
* Data description: all
* Jay: prediction 2, abstract, methods, power point
* Shogo: prediction 1, prediction 3, conclusion, power point
* Albee: prediction 5, prediction 6, introduction, power point
* Kevin: Prediction 4, related work, future work, power point
* References: all
* REB: all

This way the work is share equally and every member has a chance to show and polish their statistic analyzing skills.