Statistical Discrimination Project

Kory Kantenga*

10 December 2014

Start writing the introduction here. Present a clear thesis statement (e.g. I find strong evidence for wage disparities between the genders but weak evidence for wage discrimination) with a summary of your findings. Your introduction and conclusion should consists of meaningful (economic) statements supported by statistical evidence, so interpret your findings and do not just state what they are. For example, "Examining the difference in average wages between men and women reveals a statistically significant gender wage gap" is better than "I reject the null hypothesis that mean wages of men and women are equal at the 10%, 5%, and 1% level." The second sentence can come later, but it is not good for an introduction. The introduction should state your objective, what you do, and what you find. Do not waste time on flowery language about why wage discrimination is important.

I. Measuring Economic Disparities

This section corresponds to week 1 and examines differences in wages and employment between men and women.

II. Sources of Wage Disparities

This section corresponds to week 2 and examines sources of wage and employment gaps between men and women that may be confounders for gender discrimination.

III. Statistical Evidence

This section corresponds to week 3 and uses confidence intervals and hypothesis testing to make precise statements about differences in wages and employment between men and women. We may look at particular age and occupation groups (also known as cells) to control for confounders.

IV. Regression Analysis

This section corresponds to week 4 and makes use of regression analysis to control for confounders (i.e. variables correlated with both the dependent variable and the independent variable of interest). You need to select and justify your statistical regression model with economic intuition and/or formal test (i.e. the F-Test) and then present and interpret the results.

Conclusion

Start your concluding remarks here. You should briefly summarise to what extent economic gender discrimination exists and along what dimensions as support for your thesis statement. Mention other dimensions

---

seem to be important factors in determining wages and detecting discrimination. Make suggestions for how to eliminate wage disparities or discrimination between the genders given your thesis and evidence.