Prospectus Example

Prospectus for Thesis on Teenage Birthrates
Deborah Franklin
Working Title: Teen Birthrates in California: What Really Matters?
Major Advisor: Rob Wassmer
Secondary Advisor: Nancy Shulock

Why study teenage birthrates?

Over the last decade, the issue of teenage birthrates has received attention in the media, legislatures, and political speeches. An article on world population problems in a recent issue of *National Geographic* (2001) included the United States as an example of a nation with a worsening population problem, its teenage birthrate.

How large is the problem of teenage childbearing in the U.S? The teenage birthrate in the U.S. is five percent, which is five percent of teen girls aged 15 to 19 give birth each year. The U.S. has the highest teenage birthrate in the industrialized world. Since 1960, the teenage birthrate has tripled among unmarried females aged 15-19.

Teenage childbearing is expensive. Welfare, food stamps, and Medicaid expenditures for families begun by a teenage mother totaled $37 billion in 1995. In 1996, The Robin Hood Foundation estimated that teenage parenthood in America cost taxpayers $6.9 billion a year in increased costs for welfare and food stamps benefits, medical care, incarceration, and foster care. The 1996-97 California State budget included $73 million in teen pregnancy prevention programs. Funding for prevention programs continues in this year’s budget. Despite prevention efforts, in 1997 in California 59,851 births were to teenage mothers, a birthrate of 56.7 births per 1000 women aged 15-19.

One of the costs related to teenage childbearing is dropping out of high school. Hoffman, Foster, and Furstenberg examined the costs of teenage motherhood and found that teen mothers completed fewer years of education. Only 54% graduated from high school, but an estimated 71% would have graduated if they had delayed childbearing until they were 20 years old. Conversely, dropping out of high school has an effect on teenage childbearing. Leibowitz, Eisen, and Chow (1998) studied pregnant teens in Ventura County and reported that teens who reported higher grades in high school were more likely to choose abortion, and teens that had already dropped out of high school were more likely to give birth. Plotnick (2002) considered the attitudes of teens and its effect on decisions to abort, give birth before marriage, or give birth after marriage. Interestingly, the variables for educational expectation were significantly and positively related to both abortion and marriage before birth. The relationship between teen birthrates and high school dropout rates is both complicated and important to our understanding of teenage childbearing.

The success of efforts to lower the teenage birthrate depends on an understanding of the factors that influence the birthrate. While the teenage birthrate has been steadily dropping in California, it is still high enough to generate concern among policymakers and residents. In my research, I will look for some of the underlying factors that contribute to our state’s teenage birthrate and then consider their implications for public policy.
The Question

Teenage Pregnancy and Birth in California: Trends and Characteristics provides an excellent overview of teen birthrates in California. It concluded that, in general, birthrates vary by race/ethnicity and poverty level. For my thesis, I am interested in other factors that may be related to teenage birthrates. My research for PPA 207 indicates that the high school dropout rates are an important factor. However, teenage birthrates and high school dropout rates have an endogenous relationship. For my thesis I plan to focus my efforts on finding the distinct factors related to each of those rates. The central question that I will be addressing is what cultural, economic, educational, and home and community environmental factors are related to the teenage birthrate. Another question that I will be addressing is what cultural, economic, educational, and home and community environmental factors are related to high school dropout rates. I also want to examine how teenage birthrates and dropout rates impact each other and the magnitude of one’s impact on the other.

Methodology

Building on my PPA 207 paper, I will be using regression analysis of aggregate data at the county level as my primary research method. I plan to increase the variables in my original county birthrate variance regression analysis by including a variable for the rate of population change in each county. I will also include a variable for accessibility to reproductive health services. I also plan to use aggregate county level data and regression models to analyze factors related to high school dropout rates. From these multivariate regression models and the theory underlying the models, I hope to be able to draw inferences about the relationship between teenage birthrates and high school dropout rates.