A Multi-Regressional Approach to Understanding the Factors driving Unemployment Duration

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Abstract

The continuous rise in the duration of unemployment despite the irregular economic recovery since mid-2009 has been a major point of concern for economists(). In this paper we developed a multivariate regression model to measure the effect of specific variables (unemployment rate percent change, unemployment population demographics, inflation, labor participation rate and GDP) on unemployment duration (UD). Our model revealed a significant ($p-value < 0.05$) positive correlation between African-American unemployment rate and unemployment duration.

1. Introduction

The JFE likes the first section to have a title. The first line of each section is indented using the `indentfirst` package.[1] Let's put in some sections and subsections to see how they get formatted.

2. The Model

There's not actually a model here as it's not really a paper, but this is about where a model might go.

2.1. A Subsection

Nothing very odd about the formatting of section and subsection headings. Here's a reference to Section 2.2 or 2.2.1. Let's also add some parenthetical citations (see **??**; and **?**).

To justify adding a subsection here, from now on, we'll assume

Condition 1. $0 < \hat{\mu} < \gamma\sigma^2$.

This condition might be useful if there was a model.

2.2. Another Subsection, With a Figure

Figures get put at the end, with a note marking where they should go in the text, like this:

[Insert Figure 1 near here]

2.2.1. A Subsubsection with a Proposition

Let's put a proposition here.

Proposition 1. *If Condition 1 is satisfied, a solution to the central planner's problem,* $V(B, D, t) \in C^2\left(\mathbb{R}^2_+ \times [0, T]\right)$*, with control* $a : [0, 1] \times [0, T] \to [-\lambda, \lambda]$ *if* $\gamma > 1$ *is*

$$V(B, D, t) = -\frac{(B + D)^{1-\gamma}}{1 - \gamma} w\left(\frac{B}{B + D}, t\right). \tag{1}$$

[1] Here's a sample footnote.

Appendix A. An Appendix

Here's an appendix with an equation. Note that equation numbering continues where it left off in the main body and that the JFE wants the word "Appendix" to appear before the letter in the appendix title. This is all handled in `jfe.sty`.

$$E = mc^2. \tag{2}$$

Appendix B. Another Appendix

Here's another appendix with an equation.

$$E = mc^2. \tag{3}$$

Note that this is quite similar to Equation (2) in Appendix A.

Fig. 1. Structure of model. Capital can be invested in a bank sector and an equity sector. An intermediary has the expertise to reallocate capital between the sectors and to monitor bank capital against bank crashes.