ECE571: Advanced Microprocessor Design – Homework 2
Spring 2016

Due: Thursday 4 February 2016, 3:30PM

Create a document that contains the data and answers described in the sections below. A .pdf or .txt file is preferred but I can accept MS Office or Libreoffice format if necessary.

1. Read the paper *Producing Wrong Data Without Doing Anything Obviously Wrong!* by Mytkowicz, Diwan, Hauswith and Sweeney (ASPLOS 2009).
   `http://www-plan.cs.colorado.edu/diwan/asplos09.pdf`

2. Answer the following questions:

   (a) What is measurement bias?

   (b) Why can changing the UNIX environment size change program performance?

   (c) What are two of the suggested ways that can be used to avoid measurement bias?

   (d) Did you see any measurement bias with regard to link order in Homework 1?

3. Submitting your work.

   - Create the document containing the answers to the questions asked.

   - Please make sure your name appears in the document.

   - e-mail the file to me by the homework deadline.