


# Grasping Reality by Brad DeLong


## Global Economic Growth Over Deep Time: Econ 115: Problem Set 1


 **jupyter**  
nbviewer


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econ-115-f-2020-assignments / ps01.ipynb

In [ ]:

```
# Initialize OK
from client.api.notebook import Notebook
ok = Notebook('ps01.ok')
```

### Problem set 1. The very long run view

These problem set assignments are a required part of the course.

Collaborating on the problem sets is more than okay—it is encouraged! Seek help from a classmate or an instructor or a roommate or a passerby when you get stuck! (Explaining things is beneficial, too—the best way to solidify your knowledge of a subject is to explain it.)

But the work has to be your own: no cutting-&-pasting from others' problem sets, please! We want you to learn this stuff, and your fingers typing every keystroke is an important way of building muscle memory here.

In this problem set, you will take a look at the very long-term structure of human economic history since the invention of agriculture 8000 years ago. It is, overwhelmingly, a story of innovation, fecundity and demography, and resources.

Let us get started!

### 1. Preliminaries

#### A. Computing environment

First, we set up the computing environment by adding the libraries we need to the bare python core:

In [ ]:

```
# set up the computing environment: import libraries. & ensure
```

<https://nbviewer.jupyter.org/github/braddelong/econ-115-f-2020-assignments/blob/master/ps01.ipynb>

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