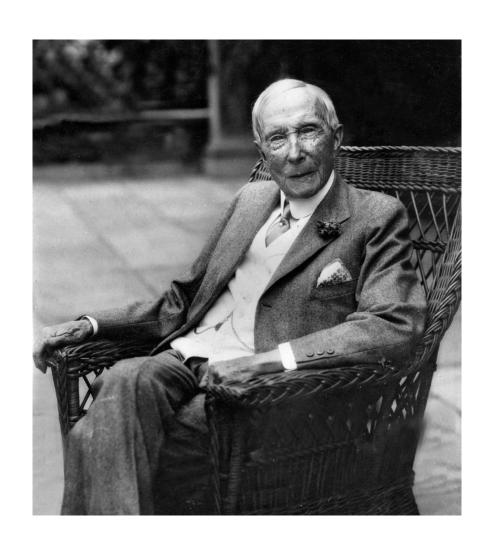
# Production and growth

#### Are you richer than the richest person in the world?



### The production function

- Y the quantity of output
- L the quantity of labour
- K the quantity of physical capital
- H the quantity of human capital
- N the quantity of natural resources

```
Y = AF(L,K,H,N)

xY = AF(xL,xK,xH,xN)

Y/L = AF(1,K/L,H/L,N/L)
```

### Are natural resources a limit to growth?



## Promoting human capital



## Population growth



## A solution to Africa's problems

